



Construction Solicitation #69296,1 (BID)

1296012: Traffic Signal Term Agreement

Specification Number: 1296012

Required for use by: CHICAGO DEPARTMENT OF TRANSPORTATION

Bid/Proposal Submittal Date and Time: 11:00 AM Central Time, 31-JUL-2026

Deadline for Questions: 02:00 PM Central Time, 23-JUN-2026

Buyer: SANDOVAL, SADI

Email Address: sadi.sandoval@cityofchicago.org

Phone Number: 312-744-0728

Pre-Solicitation Conference Date and Time: 10:00 AM Central Time, 16-JUN-2026

Pre-Solicitation Conference Location: 2 North LaSalle Chicago - Mezzanine

Site Visit Date & Time: N/A

Site Visit Location: N/A

Please submit your response to:

<http://www.cityofchicago.org/eProcurement>
iSupplier vendor portal registration is required.
Allow 3 business days to complete registration.

BRANDON JOHNSON
MAYOR

SHARLA ROBERTS
CHIEF PROCUREMENT OFFICER

Specification Number: 1296012

Type of Funding:

Title: 1296012: Traffic Signal Term Agreement

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1 Header Information**1.1 General Information**

Title **1296012: Traffic Signal Term Agreement**
 Description **1296012: Traffic Signal Term Agreement**
 Amendment Date **11-JUN-2026 11:11:19**
 Amendment Description **Amendment 1: Including Attachments**

 Preview Date **11-JUN-2026 09:00:00** Open Date **11-JUN-2026 09:00:00**
 Close Date **11:00 AM Central** Award Date **Not Specified**
 Time, 31-JUL-2026
 Time Zone **Central Time** Buyer **SANDOVAL, SADI**
 Quote Style **Sealed** Email **sadi.sandoval@cityofchicago.org**

 Event **Construction** Outcome **Blanket Purchase Agreement**

1.2 Terms

Effective Start Date **Not Specified** Effective End Date **Not Specified**
 Ship-To Address **A04** Bill-To Address **A04**
 BUREAU OF **BUREAU OF**
 ADMINISTRATION **ADMINISTRATION AND**
 AND **PLANNING**
 PLANNING **30 N LASALLE ST - STE**
 30 N LASALLE ST - **600**
 STE 600 **CHICAGO ILLINOIS**
 CHICAGO ILLINOIS **60602-2570, IL**
 60602-2570, IL **United States**
 United States
 Payment Terms **IMMEDIATE** Carrier
 FOB Freight Terms
 Total Agreement Amount (USD) **Not Specified** Minimum Release Amount (USD) **Not Specified**

1.3 Attachments

Name	Data Type	Description
ATTACHMENT 01 APPENDIX 1	File	ATTACHMENT 01 APPENDIX 1
ATTACHMENT 02 BOOK 1	File	ATTACHMENT 02 BOOK 1
ATTACHMENT 03 BOOK 2	File	ATTACHMENT 03 BOOK 2
ATTACHMENT 04 BOOK 3	File	ATTACHMENT 04 BOOK 3
ATTACHMENT 05 DWM SHEET	File	ATTACHMENT 05 DWM SHEET

1.4 Response Rules

- ☐ Solicitation is restricted to invited suppliers
- ☐ Suppliers are allowed to view other suppliers' contract terms, notes and attachments
- ☐ Suppliers are allowed to respond to selected lines
- ☒ Suppliers are allowed to provide multiple responses
- ☐ Buyer may close the solicitation before the Close Date
- ☐ Buyer may manually extend the solicitation while it is open

2 Price Schedule**2.1 Line Information**

Display Rank As **No indicator displayed**
 Ranking **Price Only**
 Cost Factors **None**

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
1 TRENCH BACKFILL		1,030	Cubic Yard		
2 SUBBASE GRANULAR MATERIAL, TYPE B		4,020	Cubic Yard		
3 PORTLAND CEMENT CONCRETE BASE COURSE 9"		7,890	Square Yard		
4 TREE PROTECTION		72	Each		
5 EARTH EXCAVATION (SOIL TO LANDFILL)		2,010	Cubic Yard		
6 AGGREGATE FOR TEMPORARY ACCESS		1,610	Ton		
7 TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH		10,380	Square Yard		
8 HYDRAULIC SEEDING, CLASS 1A		8,850	Square Yard		
9 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT 8 INCH		1,440	Square Yard		
10 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH		240	Square Yard		
11 PAVEMENT REMOVAL AND REPLACEMENT, 10 INCH (HIGH EARLY STRENGTH)		1,000	Square Yard		
12 BITUMINOUS MATERIALS (TACK COAT)		34,480	Pound		
13 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70		7,470	Ton		
14 PORTLAND CEMENT CONCRETE		960	Square Yard		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
PAVEMENT 10"					
15 PORTLAND CEMENT CONCRETE PAVEMENT 12"		960	Square Yard		
16 STAMPED COLORED CONCRETE		200	Cubic Yard		
17 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		56,000	Square Foot		
18 PORTLAND CEMENT CONCRETE ADA RAMP 5 INCH		11,600	Square Foot		
19 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH		2,000	Square Foot		
20 PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH		45,000	Square Foot		
21 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH		1,000	Square Foot		
22 LINEAR DETECTABLE WARNING TILES (CAST IRON)		6,672	Square Foot		
23 RADIAL DETECTABLE WARNING TILES (CAST IRON)		1,000	Square Foot		
24 BRICK PAVER REMOVAL AND REPLACEMENT		600	Square Foot		
25 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		42,600	Square Yard		
26 PAVEMENT REMOVAL		9,850	Square Yard		
27 DRIVEWAY PAVEMENT REMOVAL		600	Square Yard		
28 COMBINATION CURB AND GUTTER REMOVAL		16,650	Foot		
29 SIDEWALK REMOVAL		99,600	Square Foot		
30 ALLEY PAVEMENT		1,008	Square Yard		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
REMOVAL					
31 STORM SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, TYPE 1, 8 INCH		530	Foot		
32 STORM SEWER, DUCTILE IRON PIPE, TYPE 1, 8 INCH		830	Foot		
33 CONTROLLED LOW-STRENGTH MATERIAL		200	Cubic Yard		
34 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)		62	Each		
35 INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)		12	Each		
36 VORTEX RESTRICTOR		112	Each		
37 SEWER CLEANING AND TELEVISIONING		600	Foot		
38 CONCRETE CURB, TYPE B		580	Foot		
39 DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED		392	Each		
40 DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED		40	Each		
41 FRAMES, SPECIAL		24	Each		
42 LIDS, SPECIAL		24	Each		
43 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< or = 300 FT)		16,500	Foot		
44 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT)		4,200	Foot		
45 HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12		200	Foot		
46 TRAFFIC CONTROL &		4,000	Day		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
PROTECTION (VEHICULAR & NON-VEHICULAR)					
47 SIGN PANEL, TYPE 1, RETROREFLECTIVE		1,960	Square Foot		
48 SIGN PANEL, TYPE 1, NON- REFLECTIVE		892	Square Foot		
49 SIGN PANEL, TYPE 2, RETROREFLECTIVE		120	Square Foot		
50 SIGN POST, EXTEND		100	Each		
51 SIGN SUPPORT POST, DIG METHOD		146	Each		
52 SIGN SUPPORT POST, DRILL METHOD		186	Each		
53 REMOVE AND SALVAGE SIGN PANEL		120	Each		
54 REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY		244	Each		
55 REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)		24	Each		
56 REMOVE, STORE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL)		24	Each		
57 CURB PAINTING		2,400	Foot		
58 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		7,740	Square Foot		
59 THERMOPLASTIC PAVEMENT MARKING - LINE 4"		19,940	Foot		
60 THERMOPLASTIC PAVEMENT MARKING - LINE 6"		19,740	Foot		
61 THERMOPLASTIC PAVEMENT MARKING - LINE 8"		6,000	Foot		
62 THERMOPLASTIC PAVEMENT MARKING - LINE 12"		4,000	Foot		
63 THERMOPLASTIC PAVEMENT MARKING - LINE 24"		24,640	Foot		
64 POLYUREA		400	Foot		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
PAVEMENT MARKING TYPE I - LINE 4"					
65 POLYUREA PAVEMENT MARKING TYPE I - LINE 6"		400	Foot		
66 POLYUREA PAVEMENT MARKING TYPE I - LINE 12"		100	Foot		
67 POLYUREA PAVEMENT MARKING TYPE I - LINE 24"		200	Foot		
68 METHYL METHACRYLATE PAVEMENT COLORIZATION - LETTERS AND SYMBOLS		2,000	Square Foot		
69 METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN		1,000	Square Foot		
70 METHYL METHACRYLATE PAVEMENT COLORIZATION, RED		12,000	Square Foot		
71 FLEXIBLE DELINEATORS		350	Each		
72 PIPE BOLLARDS		20	Each		
73 PAVEMENT MARKING REMOVAL		12,000	Square Foot		
74 CROSSWALK SURFACING SYSTEM		1,000	Square Foot		
75 DRILL AND GROUT DOWEL AND TIE BARS		10,040	Each		
76 CLASS "SI" CONCRETE (MISCELLANEOUS)		200	Cubic Yard		
77 ADJUST ELECTRICAL FRAME AND COVER		350	Each		
78 TEMPORARY PAVEMENT		2,000	Square Yard		
79 TRENCH AND BACKFILL WITH SCREENINGS		23,400	Foot		
80 HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 30"		48	Each		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
FRAME AND COVER					
81 HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 36" FRAME AND COVER		48	Each		
82 MANHOLE, ELECTRICAL, 3'X3'X4' WITH 24" FRAME AND LID		22	Each		
83 MANHOLE, ELECTRICAL, 3'X3'X4' WITH 30" FRAME AND LID		22	Each		
84 ELECTRICAL FRAME AND COVER, 24"		12	Each		
85 ELECTRICAL FRAME AND COVER, 30"		12	Each		
86 DRILL EXISTING ELECTRICAL HANDHOLE OR MANHOLE		450	Each		
87 CLEAN EXISTING CITY MANHOLE OR HANDHOLE		216	Each		
88 INSTALL RACK IN HANDHOLE OR MANHOLE		60	Each		
89 ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY		40	Each		
90 ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM		3,780	Foot		
91 REPAIR OR REPLACE DAMAGED CONDUIT		600	Foot		
92 CONDUIT RISER ATTACHED TO POLE, 2"		48	Each		
93 CONDUIT RISER ATTACHED TO POLE, 3"		48	Each		
94 CONDUIT IN TRENCH, GALVANIZED STEEL, 2" DIA.		720	Foot		
95 CONDUIT IN TRENCH, GALVANIZED STEEL, 3" DIA.		240	Foot		
96 CONDUIT IN TRENCH, PVC (SCHEDULE 40), 2"		16,440	Foot		

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DIA.					
97 CONDUIT IN TRENCH, PVC (SCHEDULE 40), 3" DIA.		4,320	Foot		
98 CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA.		2,400	Foot		
99 CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA.		15,600	Foot		
100 CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 2" DIA.		120	Foot		
101 CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 3" DIA.		120	Foot		
102 CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 2" DIA.		1,000	Foot		
103 CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 3" DIA.		1,000	Foot		
104 INTERCEPT EXISTING CONDUIT		100	Each		
105 CONCRETE FOUNDATION FOR BASE MOUNTED "P" OR "SUPER P" CABINET		24	Each		
106 CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE, OR STREET LIGHTING CONTROLLER		16	Each		
107 CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE		240	Foot		

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
108 CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE		708	Foot		
109 CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE		216	Foot		
110 CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE		374	Foot		
111 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 4		6,000	Foot		
112 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2		5,040	Foot		
113 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2/0		3,000	Foot		
114 ELECTRIC CABLE IN CONDUIT, 600V, 2/C NO. 4		3,200	Foot		
115 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C		6,000	Foot		
116 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C		1,000	Foot		
117 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10C		1,000	Foot		
118 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C		14,400	Foot		
119 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 8C		7,200	Foot		
120 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 6C		16,200	Foot		
121 ELECTRIC CABLE NO 12, 2/C (SHIELDED)		2,480	Foot		
122 ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND		16,800	Foot		
123 ELECTRIC CABLE, AERIAL, 3-1/C, NO 2		3,000	Foot		
124 ELECTRIC		3,000	Foot		

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Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
CABLE, AERIAL, 1/C, NO 6					
125 FURNISH ATC CONTROLLER		20	Each		
126 FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET		20	Each		
127 INSTALL ATC CONTROLLER IN EXISTING CABINET		20	Each		
128 INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET		20	Each		
129 FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM		24	Each		
130 INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM		24	Each		
131 FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"		72	Each		
132 FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 3 GAUGE, 34'-6"		46	Each		
133 FURNISH POLE, STEEL, ANCHOR BASE, 11" DIAMETER, 3 GAUGE, 34'-6"		20	Each		
134 FURNISH POLE, STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"		34	Each		
135 INSTALL POLE, STEEL, ANCHOR BASE, 10" DIAMETER		118	Each		
136 INSTALL POLE, STEEL, ANCHOR BASE, 11" OR 12" DIAMETER		54	Each		

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
137 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 15 FT		24	Each		
138 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 17 FT		72	Each		
139 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 20 FT		72	Each		
140 INSTALL TRAFFIC SIGNAL POST, ALUMINUM		168	Each		
141 FURNISH PEDESTRIAN PUSH BUTTon POST		210	Each		
142 INSTALL PEDESTRIAN PUSH BUTTon POST		210	Each		
143 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION		16	Each		
144 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION		244	Each		
145 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, BIKE, 3- SECTION		16	Each		
146 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION		40	Each		
147 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION		40	Each		
148 INSTALL, SIGNAL HEAD, BRACKET MOUNTED		144	Each		
149 INSTALL, SIGNAL HEAD, STRUCTURE MOUNTED		24	Each		
150 INSTALL, SIGNAL HEAD, MAST ARM MOUNTED		188	Each		
151 FURNISH SIGNAL HEAD, OPTICALLY		20	Each		

Specification Number: 1296012

Type of Funding:

Title: 1296012: Traffic Signal Term Agreement

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
PROGRAMMED, 1-FACE, 3-SECTION					
152 FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 4-SECTION		20	Each		
153 FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 5-SECTION		20	Each		
154 INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, BRACKET MOUNTED		30	Each		
155 INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, MAST ARM MOUNTED		30	Each		
156 FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN		300	Each		
157 INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN		300	Each		
158 FURNISH ACCESSIBLE PEDESTRIAN SIGNAL		624	Each		
159 INSTALL ACCESSIBLE PEDESTRIAN SIGNAL		624	Each		
160 JUNCTION BOX, POLE OR POST MOUNTED		192	Each		
161 CUT OFF POLE AND INSTALL CAP		16	Each		
162 FURNISH MAST ARM, STEEL, MONOTUBE, 16 Foot		16	Each		
163 FURNISH MAST		22	Each		

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
ARM, STEEL, MONOTUBE, 20 Foot					
164 FURNISH MAST ARM, STEEL, MONOTUBE, 26 Foot		24	Each		
165 FURNISH MAST ARM, STEEL, MONOTUBE, 30 Foot		24	Each		
166 FURNISH MAST ARM, STEEL, MONOTUBE, 35 Foot		14	Each		
167 FURNISH MAST ARM, STEEL, MONOTUBE, 40 Foot		14	Each		
168 FURNISH MAST ARM, STEEL, MONOTUBE, 44 Foot		12	Each		
169 INSTALL MAST ARM, STEEL, MONOTUBE, 16 Foot		16	Each		
170 INSTALL MAST ARM, STEEL, MONOTUBE, 20 OR 26 Foot		48	Each		
171 INSTALL MAST ARM, STEEL, MONOTUBE, 30 Foot		24	Each		
172 INSTALL MAST ARM, STEEL, MONOTUBE, 35, 40, OR 44 Foot		34	Each		
173 FURNISH MAST ARM, STEEL, STREET LIGHTING, 8 Foot		56	Each		
174 FURNISH MAST ARM, STEEL, STREET LIGHTING, 12 Foot		30	Each		
175 FURNISH MAST ARM, STEEL, STREET LIGHTING, 15 Foot		54	Each		
176 INSTALL MAST ARM, STEEL, STREET LIGHTING, 8 OR 12 Foot		60	Each		
177 INSTALL MAST ARM, STEEL, STREET LIGHTING, 15 Foot		54	Each		
178 PLATE WELD TO POLE, 2-BOLT		8	Each		
179 PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S)		20	Each		

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
180 PAINT EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD(S)		32	Each		
181 PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE (S), SIGNAL HEAD (S), MAST ARM(S), AND LUMINAIRE(S)		48	Each		
182 PAINT EXISTING LIGHTING OR IRRIGATION, LIGHTING, RECEPTACLE OR TRAFFIC SIGNAL CABINET		20	Each		
183 LUMINAIRE, LED, COBRA HEAD, ARTERIAL		204	Each		
184 RACK, SECONDARY AERIAL 2 OR 3 WIRE		96	Each		
185 ELECTRIC SERVICE INSTALLATION, 100 AMP		20	Each		
186 ELECTRIC SERVICE INSTALLATION, 200 AMP		24	Each		
187 SERVICE ENTRANCE HEAD ON POLE TOP, 1-1/4"		20	Each		
188 SERVICE ENTRANCE HEAD ON POLE TOP, 2"		20	Each		
189 CIRCUIT BREAKER, 600 VOLT, 1-POLE, 70 AMPERE IN EXISTING STREET LIGHT CONTROLLER		30	Each		
190 ELECTRIC UTILITY SERVICE CONNECTION		12	Each		
191 FURNISH AND INSTALL RECTANGULAR RAPID FLASHING SYSTEM, COMPLETE		40	Each		
192 ELECTRONIC TRAFFIC SPEED INDICATOR SIGN,		94	Each		

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
AC POWERED (FURNISH AND INSTALL)					
193 POLE, ANCHOR BASE, RELOCATE COMPLETE		12	Each		
194 MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING		2,000	Day		
195 BREAKDOWN HANDHOLE		20	Each		
196 BREAKDOWN MANHOLE		20	Each		
197 REMOVING MANHOLES		16	Each		
198 REMOVING CATCH BASINS		48	Each		
199 REMOVING INLETS		18	Each		
200 BREAKDOWN CONCRETE FOUNDATION, POLE, POST OR CONTROLLER		50	Each		
201 REMOVE RISER ON EMBEDDED POLE 1 1/4", 2"		4	Each		
202 2W RACKS - REMOVE		4	Each		
203 REMOVE AERIAL CABLE		7,200	Foot		
204 REMOVE SVC CABLE IN CONDUIT, 3#2		3,600	Foot		
205 REMOVE BRANCH WIRES 2W/2NC		6,000	Foot		
206 REMOVE TRUSS ALUMINUM MAST ARM 25'		24	Each		
207 REMOVE CABLE IN CONDUIT 7, 10, 14, 19, OR 22/C OR LIGHTING CABLE		3,105	Foot		
208 REMOVE SERVICE CABLE IN CONDUIT - 2/C		3,030	Foot		
209 REMOVE POLE, STEEL, ANCHOR BASE, 11 GA, 20'		24	Each		
210 REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 32'6"		24	Each		
211 REMOVE POLE, STEEL, ANCHOR		24	Each		

Specification Number: 1296012

Type of Funding:

Title: 1296012: Traffic Signal Term Agreement

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
BASE, 7 GA, 34'-6"					
212 REMOVE LUMINAIRE, 400W/310W, 150W/100W		48	Each		
213 REMOVE STREET LIGHT MAST ARM		48	Each		
214 REMOVE TRAFFIC SIGNAL MAST ARM		72	Each		
215 REMOVE TRAFFIC SIGNAL HEAD, 1 FACE		144	Each		
216 REMOVE PEDESTRIAN SIGNAL HEAD		252	Each		
217 REMOVE PEDESTRIAN PUSH BUTTon		156	Each		
218 REMOVE TRAFFIC SIGNAL POST 7'/15'/17'/20'		96	Each		
219 REMOVE CONTROLLER AND POST		24	Each		
220 REMOVE JUNCTION BOX, TSS-18		20	Each		
221 REMOVE CONTROLLER ONLY		10	Each		
222 REMOVE POLE, STEEL, EMBEDDED, CTA, 30'		24	Each		
223 REMOVE POLE, STEEL, EMBEDDED, 7 GA, 33'		24	Each		
224 REMOVE SERVICE EQUIPMENT		24	Each		
225 REINSTALL TRAFFIC SIGNAL MAST ARM		20	Each		
226 REINSTALL STREET LIGHTING MAST ARM		20	Each		
227 REINSTALL LUMINAIRE MAST ARM		20	Each		
228 REINSTALL POLE		20	Each		
229 REINSTALL POST		20	Each		
230 REINSTALL PEDESTRIAN SIGNAL		20	Each		

Specification Number: 1296012

Type of Funding:

Title: 1296012: Traffic Signal Term Agreement

Line	Item, Rev / Job	Target Quantity	Unit	Unit Price	Amount
231 REINSTALL TRAFFIC SIGNAL		20	Each		
232 TEMPORARY TRAFFIC SIGNAL - CASE 1		6	Each		
233 TEMPORARY TRAFFIC SIGNAL - CASE 2		6	Each		
234 TEMPORARY TRAFFIC SIGNAL - CASE 3		4	Each		
235 INTERSECTION TECHNOLOGY ENHANCEMENTS		182	Each		

2.2 Line Details

2.2.1 Line 1 TRENCH BACKFILL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.2 Line 2 SUBBASE GRANULAR MATERIAL, TYPE B

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.3 Line 3 PORTLAND CEMENT CONCRETE BASE COURSE 9"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.4 Line 4 TREE PROTECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.5 Line 5 EARTH EXCAVATION (SOIL TO LANDFILL)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.6 Line 6 AGGREGATE FOR TEMPORARY ACCESS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.7 Line 7 TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.8 Line 8 HYDRAULIC SEEDING, CLASS 1A

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.9 Line 9 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.10 Line 10 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.11 Line 11 PAVEMENT REMOVAL AND REPLACEMENT, 10 INCH (HIGH EARLY STRENGTH)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.12 Line 12 BITUMINOUS MATERIALS (TACK COAT)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.13 Line 13 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.14 Line 14 PORTLAND CEMENT CONCRETE PAVEMENT 10"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.15 Line 15 PORTLAND CEMENT CONCRETE PAVEMENT 12"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.16 Line 16 STAMPED COLORED CONCRETE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.17 Line 17 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.18 Line 18 PORTLAND CEMENT CONCRETE ADA RAMP 5 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.19 Line 19 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.20 Line 20 PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.21 Line 21 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.22 Line 22 LINEAR DETECTABLE WARNING TILES (CAST IRON)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.23 Line 23 RADIAL DETECTABLE WARNING TILES (CAST IRON)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.24 Line 24 BRICK PAVER REMOVAL AND REPLACEMENT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.25 Line 25 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.26 Line 26 PAVEMENT REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.27 Line 27 DRIVEWAY PAVEMENT REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.28 Line 28 COMBINATION CURB AND GUTTER REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.29 Line 29 SIDEWALK REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.30 Line 30 ALLEY PAVEMENT REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.31 Line 31 STORM SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, TYPE 1, 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.32 Line 32 STORM SEWER, DUCTILE IRON PIPE, TYPE 1, 8 INCH

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.33 Line 33 CONTROLLED LOW-STRENGTH MATERIAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.34 Line 34 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.35 Line 35 INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.36 Line 36 VORTEX RESTRICTOR

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.37 Line 37 SEWER CLEANING AND TELEVISIONING

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.38 Line 38 CONCRETE CURB, TYPE B

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.39 Line 39 DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.40 Line 40 DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.41 Line 41 FRAMES, SPECIAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.42 Line 42 LIDS, SPECIAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.43 Line 43 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< or = 300 FT)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.44 Line 44 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.45 Line 45 HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.46 Line 46 TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.47 Line 47 SIGN PANEL, TYPE 1, RETROREFLECTIVE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.48 Line 48 SIGN PANEL, TYPE 1, NON-REFLECTIVE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.49 Line 49 SIGN PANEL, TYPE 2, RETROREFLECTIVE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.50 Line 50 SIGN POST, EXTEND

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.51 Line 51 SIGN SUPPORT POST, DIG METHOD

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.52 Line 52 SIGN SUPPORT POST, DRILL METHOD

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.53 Line 53 REMOVE AND SALVAGE SIGN PANEL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.54 Line 54 REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.55 Line 55 REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.56 Line 56 REMOVE, STORE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.57 Line 57 CURB PAINTING

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.58 Line 58 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.59 Line 59 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.60 Line 60 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.61 Line 61 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.62 Line 62 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.63 Line 63 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.64 Line 64 POLYUREA PAVEMENT MARKING TYPE I - LINE 4"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.65 Line 65 POLYUREA PAVEMENT MARKING TYPE I - LINE 6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.66 Line 66 POLYUREA PAVEMENT MARKING TYPE I - LINE 12"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.67 Line 67 POLYUREA PAVEMENT MARKING TYPE I - LINE 24"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.68 Line 68 METHYL METHACRYLATE PAVEMENT COLORIZATION - LETTERS AND SYMBOLS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.69 Line 69 METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.70 Line 70 METHYL METHACRYLATE PAVEMENT COLORIZATION, RED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.71 Line 71 FLEXIBLE DELINEATORS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.72 Line 72 PIPE BOLLARDS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.73 Line 73 PAVEMENT MARKING REMOVAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.74 Line 74 CROSSWALK SURFACING SYSTEM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.75 Line 75 DRILL AND GROUT DOWEL AND TIE BARS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.76 Line 76 CLASS "SI" CONCRETE (MISCELLANEOUS)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.77 Line 77 ADJUST ELECTRICAL FRAME AND COVER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.78 Line 78 TEMPORARY PAVEMENT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.79 Line 79 TRENCH AND BACKFILL WITH SCREENINGS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.80 Line 80 HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 30" FRAME AND COVER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.81 Line 81 HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 36" FRAME AND COVER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.82 Line 82 MANHOLE, ELECTRICAL, 3'X3'X4' WITH 24" FRAME AND LID

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.83 Line 83 MANHOLE, ELECTRICAL, 3'X3'X4' WITH 30" FRAME AND LID

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.84 Line 84 ELECTRICAL FRAME AND COVER, 24"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.85 Line 85 ELECTRICAL FRAME AND COVER, 30"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.86 Line 86 DRILL EXISTING ELECTRICAL HANDHOLE OR MANHOLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.87 Line 87 CLEAN EXISTING CITY MANHOLE OR HANDHOLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.88 Line 88 INSTALL RACK IN HANDHOLE OR MANHOLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.89 Line 89 ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.90 Line 90 ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.91 Line 91 REPAIR OR REPLACE DAMAGED CONDUIT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.92 Line 92 CONDUIT RISER ATTACHED TO POLE, 2"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.93 Line 93 CONDUIT RISER ATTACHED TO POLE, 3"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.94 Line 94 CONDUIT IN TRENCH, GALVANIZED STEEL, 2" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.95 Line 95 CONDUIT IN TRENCH, GALVANIZED STEEL, 3" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.96 Line 96 CONDUIT IN TRENCH, PVC (SCHEDULE 40), 2" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.97 Line 97 CONDUIT IN TRENCH, PVC (SCHEDULE 40), 3" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.98 Line 98 CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.99 Line 99 CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.100 Line 100 CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 2" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.101 Line 101 CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 3" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.102 Line 102 CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 2" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.103 Line 103 CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 3" DIA.

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.104 Line 104 INTERCEPT EXISTING CONDUIT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.105 Line 105 CONCRETE FOUNDATION FOR BASE MOUNTED "P" OR "SUPER P" CABINET

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.106 Line 106 CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE, OR STREET LIGHTING CONTROLLER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.107 Line 107 CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.108 Line 108 CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.109 Line 109 CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.110 Line 110 CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.111 Line 111 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 4

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.112 Line 112 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.113 Line 113 ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2/0

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.114 Line 114 ELECTRIC CABLE IN CONDUIT, 600V, 2/C NO. 4

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.115 Line 115 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.116 Line 116 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.117 Line 117 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.118 Line 118 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.119 Line 119 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 8C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.120 Line 120 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 6C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.121 Line 121 ELECTRIC CABLE NO 12, 2/C (SHIELDED)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.122 Line 122 ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.123 Line 123 ELECTRIC CABLE, AERIAL, 3-1/C, NO 2

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.124 Line 124 ELECTRIC CABLE, AERIAL, 1/C, NO 6

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.125 Line 125 FURNISH ATC CONTROLLER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.126 Line 126 FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.127 Line 127 INSTALL ATC CONTROLLER IN EXISTING CABINET

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.128 Line 128 INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.129 Line 129 FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.130 Line 130 INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.131 Line 131 FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.132 Line 132 FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 3 GAUGE, 34'-6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.133 Line 133 FURNISH POLE, STEEL, ANCHOR BASE, 11" DIAMETER, 3 GAUGE, 34'-6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.134 Line 134 FURNISH POLE, STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.135 Line 135 INSTALL POLE, STEEL, ANCHOR BASE, 10" DIAMETER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.136 Line 136 INSTALL POLE, STEEL, ANCHOR BASE, 11" OR 12" DIAMETER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.137 Line 137 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 15 FT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.138 Line 138 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 17 FT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.139 Line 139 FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 20 FT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.140 Line 140 INSTALL TRAFFIC SIGNAL POST, ALUMINUM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.141 Line 141 FURNISH PEDESTRIAN PUSH BUTTOn POST

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.142 Line 142 INSTALL PEDESTRIAN PUSH BUTTOn POST

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.143 Line 143 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.144 Line 144 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.145 Line 145 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, BIKE, 3-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.146 Line 146 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.147 Line 147 FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.148 Line 148 INSTALL, SIGNAL HEAD, BRACKET MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.149 Line 149 INSTALL, SIGNAL HEAD, STRUCTURE MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.150 Line 150 INSTALL, SIGNAL HEAD, MAST ARM MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.151 Line 151 FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 3-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.152 Line 152 FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 4-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.153 Line 153 FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 5-SECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.154 Line 154 INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, BRACKET MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.155 Line 155 INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, MAST ARM MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.156 Line 156 FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.157 Line 157 INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.158 Line 158 FURNISH ACCESSIBLE PEDESTRIAN SIGNAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.159 Line 159 INSTALL ACCESSIBLE PEDESTRIAN SIGNAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.160 Line 160 JUNCTION BOX, POLE OR POST MOUNTED

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.161 Line 161 CUT OFF POLE AND INSTALL CAP

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.162 Line 162 FURNISH MAST ARM, STEEL, MONOTUBE, 16 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.163 Line 163 FURNISH MAST ARM, STEEL, MONOTUBE, 20 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.164 Line 164 FURNISH MAST ARM, STEEL, MONOTUBE, 26 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.165 Line 165 FURNISH MAST ARM, STEEL, MONOTUBE, 30 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.166 Line 166 FURNISH MAST ARM, STEEL, MONOTUBE, 35 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.167 Line 167 FURNISH MAST ARM, STEEL, MONOTUBE, 40 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.168 Line 168 FURNISH MAST ARM, STEEL, MONOTUBE, 44 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.169 Line 169 INSTALL MAST ARM, STEEL, MONOTUBE, 16 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.170 Line 170 INSTALL MAST ARM, STEEL, MONOTUBE, 20 OR 26 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.171 Line 171 INSTALL MAST ARM, STEEL, MONOTUBE, 30 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.172 Line 172 INSTALL MAST ARM, STEEL, MONOTUBE, 35, 40, OR 44 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.173 Line 173 FURNISH MAST ARM, STEEL, STREET LIGHTING, 8 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.174 Line 174 FURNISH MAST ARM, STEEL, STREET LIGHTING, 12 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.175 Line 175 FURNISH MAST ARM, STEEL, STREET LIGHTING, 15 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.176 Line 176 INSTALL MAST ARM, STEEL, STREET LIGHTING, 8 OR 12 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.177 Line 177 INSTALL MAST ARM, STEEL, STREET LIGHTING, 15 Foot

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.178 Line 178 PLATE WELD TO POLE, 2-BOLT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.179 Line 179 PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.180 Line 180 PAINT EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD(S)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.181 Line 181 PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE(S), SIGNAL HEAD (S), MAST ARM(S), AND LUMINAIRE(S)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.182 Line 182 PAINT EXISTING LIGHTING OR IRRIGATION, LIGHTING, RECEPTACLE OR TRAFFIC SIGNAL CABINET

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.183 Line 183 LUMINAIRE, LED, COBRA HEAD, ARTERIAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.184 Line 184 RACK, SECONDARY AERIAL 2 OR 3 WIRE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.185 Line 185 ELECTRIC SERVICE INSTALLATION, 100 AMP

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.186 Line 186 ELECTRIC SERVICE INSTALLATION, 200 AMP

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.187 Line 187 SERVICE ENTRANCE HEAD ON POLE TOP, 1-1/4"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.188 Line 188 SERVICE ENTRANCE HEAD ON POLE TOP, 2"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.189 Line 189 CIRCUIT BREAKER, 600 VOLT, 1-POLE, 70 AMPERE IN EXISTING STREET LIGHT CONTROLLER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.190 Line 190 ELECTRIC UTILITY SERVICE CONNECTION

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.191 Line 191 FURNISH AND INSTALL RECTANGULAR RAPID FLASHING SYSTEM, COMPLETE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.192 Line 192 ELECTRONIC TRAFFIC SPEED INDICATOR SIGN, AC POWERED (FURNISH AND INSTALL)

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.193 Line 193 POLE, ANCHOR BASE, RELOCATE COMPLETE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.194 Line 194 MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.195 Line 195 BREAKDOWN HANDHOLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.196 Line 196 BREAKDOWN MANHOLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.197 Line 197 REMOVING MANHOLES

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.198 Line 198 REMOVING CATCH BASINS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.199 Line 199 REMOVING INLETS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.200 Line 200 BREAKDOWN CONCRETE FOUNDATION, POLE, POST OR CONTROLLER

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.201 Line 201 REMOVE RISER ON EMBEDDED POLE 1 1/4", 2"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.202 Line 202 2W RACKS - REMOVE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.203 Line 203 REMOVE AERIAL CABLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.204 Line 204 REMOVE SVC CABLE IN CONDUIT, 3#2

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.205 Line 205 REMOVE BRANCH WIRES 2W/2NC

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.206 Line 206 REMOVE TRUSS ALUMINUM MAST ARM 25'

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.207 Line 207 REMOVE CABLE IN CONDUIT 7, 10, 14, 19, OR 22/C OR LIGHTING CABLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.208 Line 208 REMOVE SERVICE CABLE IN CONDUIT - 2/C

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.209 Line 209 REMOVE POLE, STEEL, ANCHOR BASE, 11 GA, 20'

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.210 Line 210 REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 32'6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.211 Line 211 REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 34'-6"

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.212 Line 212 REMOVE LUMINAIRE, 400W/310W, 150W/100W

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.213 Line 213 REMOVE STREET LIGHT MAST ARM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.214 Line 214 REMOVE TRAFFIC SIGNAL MAST ARM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.215 Line 215 REMOVE TRAFFIC SIGNAL HEAD, 1 FACE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.216 Line 216 REMOVE PEDESTRIAN SIGNAL HEAD

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.217 Line 217 REMOVE PEDESTRIAN PUSH BUTTON

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.218 Line 218 REMOVE TRAFFIC SIGNAL POST 7'/15'/17'/20'

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.219 Line 219 REMOVE CONTROLLER AND POST

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.220 Line 220 REMOVE JUNCTION BOX, TSS-18

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.221 Line 221 REMOVE CONTROLLER ONLY

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.222 Line 222 REMOVE POLE, STEEL, EMBEDDED, CTA, 30'

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.223 Line 223 REMOVE POLE, STEEL, EMBEDDED, 7 GA, 33'

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.224 Line 224 REMOVE SERVICE EQUIPMENT

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.225 Line 225 REINSTALL TRAFFIC SIGNAL MAST ARM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.226 Line 226 REINSTALL STREET LIGHTING MAST ARM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.227 Line 227 REINSTALL LUMINAIRE MAST ARM

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.228 Line 228 REINSTALL POLE

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.229 Line 229 REINSTALL POST

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.230 Line 230 REINSTALL PEDESTRIAN SIGNAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.231 Line 231 REINSTALL TRAFFIC SIGNAL

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.232 Line 232 TEMPORARY TRAFFIC SIGNAL - CASE 1

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release Amount (USD)	Not Specified		
Estimated Total Amount (USD)	Not Specified		

2.2.233 Line 233 TEMPORARY TRAFFIC SIGNAL - CASE 2

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.234 Line 234 TEMPORARY TRAFFIC SIGNAL - CASE 3

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

2.2.235 Line 235 INTERSECTION TECHNOLOGY ENHANCEMENTS

Category	00000.	Start Price (USD)	Not Specified
Shopping Category	Not Specified	Target Price (USD)	Not Specified
Minimum Release	Not Specified		
Amount (USD)			
Estimated Total	Not Specified		
Amount (USD)			

APPENDIX 1 ePROCUREMENT

This is an eProcurement Bid. Bids are to be submitted through the City's "iSupplier" system, the City's eProcurement computer system for electronic bidding and providing Contractors with access to contract, ordering and payment information for their City contracts. The following provisions apply to this bid and supersede any conflicting provisions in Books 1, 2, and 3.

1. Obtaining the Bid Documents

Bidders are solely responsible for obtaining all Bid Documents, including Clarifications and Addenda. Documents may be downloaded from the Department of Procurement Service's ("DPS") website at the following URL:

<http://www.cityofchicago.org/eProcurement>

Click on "Current Bids."

In order to receive notice of clarifications and addenda, Bidders must be registered for and log-in to iSupplier, search for the solicitation number, open the solicitation for review, and accept the disclaimer. This will sign Bidders up for notifications.

Bid Document Holders are listed on the Bid & Bond Room Opportunity Take Out List. The Opportunity Take Out List is public information and is posted to the DPS web site at www.cityofchicago.org/TOL. To find Opportunity Take Out lists go to "Get Started Online," click "Opportunities" and search by the specification number.

2. Clarifications and Addenda

The City will send an email notification to suppliers who have indicated intent in a Bid that an addendum or clarification has been issued. The Clarifications and Addenda incorporated into the electronic bid document available at the following URL:

<https://www.cityofchicago.org/eProcurement>

Suppliers that have indicated interest in a Bid will receive email notification that an addendum or clarification has been issued. There may be multiple Clarifications and Addenda. Failure to obtain Clarifications and/or Addenda, for whatever cause, will not relieve a Bidder from the obligation to bid according to and comply with any changed or additional terms and conditions contained in the Clarifications and Addenda.

Electronic Acknowledgement of Clarifications and/or Addenda is mandatory to submit an electronic Bid. Any harm to the bidder resulting from failure to obtain all necessary documents, for whatever cause, will not be valid grounds for a protest against award(s) made under this bid solicitation.

3. Questions Regarding the Bid Documents; Bidder Inquiry Deadline

All inquiries regarding the Bid Documents or procurement process may be directed to the Procurement Specialist/Senior Procurement Specialist in iSupplier via online discussion or via email at the email address listed on the front cover of the Bid Documents.

The Bidder Inquiry Deadline is listed on the front cover of the Bid Documents under "Deadline for Questions." Inquiries received after the Bidder Inquiry Deadline will not be answered except at the discretion of the Chief Procurement Officer.

Bidders may only rely on written answers in a Clarification or in an Addendum duly issued by the Chief Procurement Officer. Bidders cannot rely on oral or informal responses; such answers will not be binding upon the City.

4. Preparation of Bids & Completion of the Bid Documents

Each Bidder must complete all of the forms listed on the Bid Submittal Checklist (with the exception of the Proposal Pages) in the Requirements section and scan and upload them as attachments to the electronic bid submission. Bidders may not change any of the Bid Documents. Any changes made by a Bidder to the Bid Documents may result in rejection of the Bid, and will not be binding upon the City.

Bidders must submit their pricing electronically by filling out bid lines in the electronic Price Schedule in the iSupplier system.

Bidders must use the Bid Execution Page that is appropriate for their form of business organization (e.g., sole proprietorship, corporation, partnership, or joint venture). The individual(s) that sign the Bid Execution Page on behalf of the Bidder, by their signature, represents and warrants to the City that such individual is authorized to execute bids and contracts on behalf of the Bidder, and that the Bidder agrees and shall be bound to all of the terms and conditions of the Bid Documents and, upon execution by the City, the Contract Documents. Signatures must be sworn before a Notary Public. The form must be printed, signed, notarized and scanned then uploaded as an attachment to the electronic bid submission.

5. Submission of Bids - Date, Time, and Place

Bids are to be submitted electronically to the Department of Procurement on the date and prior to the time stated on the Cover Page of the Bid Documents, or any addendum issued by the City to change such Bid Opening Date. No bid will be accepted after the Bid Opening Date. The time of the receipt of the bid will be determined solely by the "Time of Quote" generated by the iSupplier system.

6. Bid Deposit

5% of the Total Base Bid

When submitting an electronic bid, scan and upload a copy of your bid deposit with your submittal documents. The 1st and 2nd apparent low bidders will be required to deliver their original and properly executed bid deposit to the Bid & Bond Room within 2 business days following the Bid Opening Date.

BOOK 1
TERMS AND CONDITIONS FOR CONSTRUCTION

TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO.: B-3-703

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION

BRANDON JOHNSON
MAYOR



Issued by the
DEPARTMENT OF PROCUREMENT SERVICES

SHARLA D. ROBERTS
ACTING CHIEF PROCUREMENT OFFICER

City Funding
Document Printed May 2026

April 2022
(The City may from time to time revise these terms and conditions)

City Funded

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I. GENERAL PROVISIONS

A. Acronyms

“ACI” - American Concrete Institute
“AED” - Associated Equipment Distributors
“AISC” - American Institute of Steel Construction.
“ANSI” - American National Standards Institute.
“ASME” - American Society of Mechanical Engineers.
“ASTM” - American Society for Testing and Materials
“EDS” - *See Section XXI.S.*
“CTA” - Chicago Transit Authority
“FEPC” - Fair Employment Practices Commission.

“IEPA” - Illinois Environmental Protection Agency.
“IDOT” - Illinois Department of Transportation.
“NEC” - National Electric Code.
“NFPA” - National Fire Protection Association
“NEMA” - National Electrical Manufacturer’s Association.
“OSHA” - U.S. Occupational Safety and Health Administration

B. Definitions

1. “Architect/Engineer” means the person designated by the Commissioner to provide the Contract drawings and Detailed Specifications for the Work you are to perform.
2. “Business Days” means Monday through Friday, unless an officially designated City holiday falls on one of those days.
3. “Chief Procurement Officer” means the Chief Procurement Officer for the City of Chicago, and any representative duly authorized in writing to act on his/her behalf.
4. “City” means the City of Chicago, a municipal corporation and home rule unit of government existing under the Constitution of the State of Illinois.
5. “Commissioner” means the head of the Department and any designee duly authorized in writing to act on his/her behalf.
6. “Comptroller” means City Comptroller or his designated representative.
7. “Consultant(s)” refers to the person, firm or corporation awarded a contract by the City to provide professional architectural or engineering design services or construction supervision for the Project.
8. “Contract” means this Contract, including your bid proposal (as accepted by the City), the City’s bid specification, which includes Books 1, 2, and 3, plans and drawings, addenda, all exhibits and schedules that are attached to it and documents incorporated in it by reference; fully executed performance and payments bond(s); and all amendments, modifications, or revisions made from time to time in accordance with its terms.
9. “Contract Completion Date” is the date, determined by the Commissioner, on which the Project is to reach Substantial Completion. The Contract Completion Date will be

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determined based on the duration for the Project set by the Contract as adjusted by any Contract modifications that extend or reduce the duration of the Project.

10. "Contract Modification" means a written modification of the terms and conditions of this Contract, signed by you, the Chief Procurement Officer, the Mayor and the Comptroller.
11. "Contractor" or "you" means the person who is awarded the Contract.
12. "Contract Price" is defined in Section XIII.A.
13. "Contract Time" is the duration of the Work from when the Work is required to begin until the scheduled date for Substantial Completion, including approved time extensions. See I.B.42.
14. "Corporation Counsel" means the head of the City's Department of Law and any Assistant Corporation Counsel duly authorized to act on the Corporation Counsel's behalf.
15. "Day" means calendar day.
16. "Daytime Work" means work performed between the hours of 6:00 a.m. to 6:00 p.m.
17. "Department" means the City Department identified on the cover of this Contract.
18. "Detailed Specifications" means the written requirements for materials and equipment to be used in the Work, including any plans or drawings, and standards of performance for the Work, which are set forth in Book 3 or incorporated by reference.
19. "Environmental Laws" means all applicable Federal, State, and local laws, ordinances, rules, regulations, and executive orders pertaining to environmental matters.
20. "Equipment" means all machinery and equipment, together with the necessary supplies for upkeep and maintenance, and all tools and apparatus necessary for the proper and acceptable completion of the Work.
21. "Field Order" means the written order to you, signed by the Commissioner, unilaterally directing changes in the Work or the Contract Time, or directing you to take corrective action and to adhere to Contract.
22. "Final Completion and Acceptance of the Work " means the last date on which all of the following events have occurred: (i) the Commissioner has determined that all Punch List Work and any other remaining Work have been completed in accordance with the Contract; (ii) final inspections have been completed and operations systems and equipment testing have been completed; (iii) final occupancy certifications have been issued; (iv) all deliverables have been provided to the Commissioner; and (v) all contractual requirements for final payment have been completed.
23. "Hazardous Materials" means asbestos and asbestos-containing materials, polychlorinated biphenyls (PCBs), oil or any other petroleum products, natural gas, special nuclear materials, and by-product materials regulated under the Atomic Energy Act (42 U.S.C. Sec. 2014, *et seq.*), pesticides under the Federal Insecticide, Fungicide and Rodenticide Act (7 U.S.C. Sec. 136, *et seq.*) and any hazardous waste, toxic substance or related material, including any substance defined or treated as "hazardous waste," "special waste," or "toxic substance" (or comparable term) in any Environmental Law.

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- 24. "Include" (in all of its forms) means "include without limitation" unless the context clearly indicates otherwise.
- 25. "Management Consultant" or "Program Manager" means the organization or entity, if any, that the City has retained to oversee the planning, design, and construction of the Project.
- 26. "Municipal Code" means the Municipal Code of Chicago.
- 27. "Night Work" means work performed between the hours of 6:00 p.m. and 6:00 a.m. unless otherwise defined in the plans.
- 28. "Notice to Bidders" means the Advertisement for Bids, the official notice inviting bids for the proposed Work to be done under this Contract.
- 29. "Notice to Proceed" means written authorization from the Commissioner for you to commence the Work on a specified date.
- 30. "Product Data" are illustrations, standard schedules, performance charts, instructions, descriptive literature, catalogs and brochures, performance and test data, test certifications, diagrams and other information furnished by you to illustrate a material, product or system for some portion of the Work.
- 31. "Project" means, collectively, the improvements you are to construct in accordance with the Contract.
- 32. "Provide" means furnish and install, unless otherwise specified in this Contract.
- 33. "Punch List" or "Punch List work" means minor adjustments, repairs or deficiencies in the Work, as determined by the Commissioner in his sole discretion.
- 34. "Record Documents" are all documents pertaining to the completed Work and the Project that the Contract requires you to provide to the City, including Record Drawings, Record Shop Drawings, product data, instructions, parts list, certified payrolls and operations and maintenance manuals.
- 35. "Record Drawings" means drawings reflecting the final built Project configuration, including approved modifications.
- 36. "Samples" mean physical examples that illustrate materials, equipment or workmanship. Samples include materials, fabricated items, equipment, devices, appliances, or parts of them, as called for in the Detailed Specifications and any other Samples that may be required by the Commissioner to determine whether the kind, quality, construction, workmanship, finish, color and other characteristics of the materials proposed by you conform to the required characteristics.
- 37. "Shop Drawings" means drawings, diagrams, schedules and other data specially prepared for the Work by you or any Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work. Shop Drawings include: fabrication, erection, layout and setting drawings; manufacturer's standard drawings; schedules; wiring and control diagrams; and other drawings pertaining to materials, equipment and systems and methods of construction that may be required to show that the materials, equipment or system conform to the Contract requirements. Shop drawings must establish the actual detail of all manufactured and fabricated items and indicate the proper relation to the adjoining Work.

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- 38. "Special Wastes" means those substances as defined in the Illinois Environmental Protection Act, 415 ILCS 5/3.45, and further defined in Section 809.103 of 35 Illinois Administrative Code, Subtitle G, Ch. 1.
- 39. "Subcontractor" means any person or entity with whom you contract to provide any part of the Work, and all subcontractors of any tier, including suppliers and material persons, whether or not in privity with you.
- 40. "Submittal" means Schedule, Shop Drawings, Product Data or Samples and other items that the Contract may require you to submit to the Commissioner.
- 41. "Substantial Completion Date" is the date upon which you have met the requirements for Substantial Completion in the opinion of the Commissioner.
- 42. "Substantial Completion of the Project" or "Substantial Completion" means that, in the opinion of the Commissioner, you have completed all Work in accordance with the Contract, except for Punch List Work, and the City is able to occupy and use the Project for the purpose intended.
- 43. "Work" means all labor, materials, equipment, deliverables, and other incidentals to be provided by you under this Contract that are necessary or convenient to the successful completion of this Project and that are required by, incidental or collateral to the Contract.
- 44. "You" means "Contractor." See above.

C. Usage and Contract Interpretation

- 1. Unless a contrary meaning is specifically noted elsewhere, words such as, "as required," "as directed," "as permitted," and similar words mean that requirements, directions of, and permission of the Commissioner are intended. The words "approved," "acceptable," "satisfactory," or words of like import, mean "approved by," "acceptable to," or "satisfactory to" the Commissioner. The words "necessary," "proper," or words of like import as used regarding the extent, conduct or character of the Work specified means that Work must be conducted in a manner, to the extent, or be of character that is "necessary" or "proper" in the opinion of the Commissioner. The Commissioner's judgment in these matters is final and you are not permitted to contest it.
- 2. Where the imperative form of an address is used, such as "perform the excavating," "provide equipment required," "remove obstructions encountered," "furnish and install reinforcing steel bars," etc., that address is directed to you .
- 3. Any headings in this Contract are for convenience of reference only and do not define or limit its terms or provisions. All article and section references, unless otherwise expressly indicated, are to sections of this Contract. Words importing persons include firms, associations, partnerships, trusts, corporations, joint ventures and other legal entities, including public bodies, as well as natural persons. Words of any gender include correlative words of other genders. Words importing the singular number include the plural and vice versa, unless the context otherwise indicates. All references to any exhibit or document include the latest version and all supplements and/or amendments to any such exhibits or documents. All references to any person or entity include any person or entity succeeding to the rights, duties, and obligations of those persons or entities in accordance with the terms and conditions of this Contract.

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4. Whenever reference to a law is contained in this Contract, the reference includes any amendments to the law.

D. Severability

If any provision of this Contract is inoperative or unenforceable as applied in any particular case in any jurisdiction or jurisdictions because it conflicts with any other provision of this Contract, or of any constitution, statute, ordinance, rule of law, or public policy, or for any other reason, those circumstances will not render the provision in question inoperative or unenforceable in any other case or circumstance, or render any other provision or provisions of this Contract invalid, inoperative, or unenforceable to any extent whatever. The invalidity of any phrases, sentences, clauses, or sections contained in this Contract will not affect the remaining portions of this Contract or any part of it.

E. Estimates of Quantities

If an estimate of quantities of Work is listed in the Bid Schedule of Prices, you understand that:

1. the estimate is approximate only;
2. the City does not expressly or by implication represent or warrant that the actual quantities involved will correspond to the estimate;
3. payment to you will be made only for the actual quantities furnished and installed in accordance with the terms of this Contract; and
4. the Chief Procurement Officer and the Commissioner reserve the right to jointly order, in writing, to increase, decrease or delete quantities of Work pursuant to all terms and conditions of the Contract.

F. Order of Precedence of Component Contract Parts

The order of precedence of the component contract parts is as follows:

1. Terms and Conditions;
2. Addenda if any;
3. Plans or City Drawings;
4. Detailed Specifications;
5. Standard Specifications of the City, State or Federal Government, if any;
6. Advertisement for Bids;
7. Requirements for Bidding and Instructions to Bidders; and
8. Performance Bond, if required.

The foregoing order of precedence governs the interpretation of the Contract in all cases of conflict or inconsistency in it.

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G. Entire Agreement

The Contract constitutes the entire agreement between the parties with respect to its subject matter, and no other oral or written understandings, representations, inducements, consideration, promises, or interpretations are implied or impressed upon this Contract that are not expressly addressed in it.

II. PROJECT ORGANIZATION

A. The Commissioner

For the purposes of this Contract, the Commissioner, or any successor office to the Commissioner, will represent the City in all matters relating to the performance of your Work under this Contract and will constitute the point of receipt for all deliverables required under this Contract, unless expressly specified otherwise in this Contract. The Commissioner will decide all questions that arise with regard to the administration of the Contract such as to the quality and acceptability of materials furnished, the Work performed and rate of progress of the Work. The Commissioner will determine the amount and quality of Work performed and materials furnished and their estimates. The Commissioner's estimate will be a condition precedent to your right to receive money due under the Contract, but then only if the modifications or amendments to the Contract are approved in accordance with Article XIV, "Changes in the Work."

B. The Chief Procurement Officer

The approval of the Chief Procurement Officer is required to enter this Contract and to modify it.

C. Contractor

The Work is under your charge and care until Final Completion and Acceptance of the Work, unless otherwise specified elsewhere in the Contract.

III. CONTRACTOR'S OBLIGATIONS

A. Contractor

1. Except as may be expressly provided otherwise in the Contract, you are solely responsible for selecting the means, methods, techniques, sequences, and procedures used in performing the Work. The intent of the Detailed Specifications is to describe the completed Work that you must provide to fulfill the requirements of the Contract. The Detailed Specifications are not intended to cover every detail of materials, parts, or activities necessary to complete the Work. You must perform all activities that may be required or necessary to complete the Work in accordance with the Contract. For the Contract Price, you must construct, furnish and install all materials, parts and labor necessary to complete the entire Work, whether or not the Contract particularly specifies or shows the details of Work.
2. The Work under this Contract has not been completely segregated into divisions of Work to be performed by any trade or Subcontractor. You are responsible for all division of work. However, wherever any provision of any section of the specifications conflicts with any agreements or regulations of any kind at any time in force among members of any

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trade or craft associations, unions or councils that regulate or distinguish that work is or is not included in the work of any particular trade, you must make all necessary arrangements to reconcile any such conflict without delay, damage, or cost to the City.

3. Before submission of your bid, you must (i) inspect the site of the proposed Work and familiarize yourself with all the site conditions that may affect your performance of the Work; and (ii) review the Detailed Specifications, plans and drawings provided with the bid documents, as required in the "Requirements for Bidding and Instructions to Bidders," in Book 2. If at any time before the bid opening you discover any errors, discrepancies or omissions in the Contract or any discrepancy between the Contract and the physical conditions at the site or in any drawings that may be provided later, you must notify the Chief Procurement Officer immediately, in writing for an interpretation through an Addendum.
4. This written request must be received by the Chief Procurement Officer no later than 10 days before bid opening, or no response will be provided. You will not be allowed to take advantage of your discovery of any such error or omission or discrepancy in the Contract after the award of the Contract. Any Work done after the discovery, unless authorized by the Chief Procurement Officer, will be done at your expense.
5. Except as otherwise expressly provided in the Contract, the Contract Price includes all costs and expenses for which you will be compensated in connection with the Contract, including
 - a. the costs of performing any or all of your obligations and duties under the Contract;
 - b. the costs of all materials, equipment, supplies, tools, machinery, labor, supervision, management and items of any and all kinds that are or may be necessary and incidental to the full and satisfactory completion of the Work, whether or not specified or indicated in the Contract;
 - c. the costs of permits, insurance, bonds and license;
 - d. the costs associated with any risks you assume under the Contract;
 - e. the costs associated with all warranties and guarantees;
 - f. the costs of complying with the directives of the Chief Procurement Officer and/or the Commissioner;
 - g. the costs of complying with all laws applicable to the Contract; and
 - h. all overhead and profit.

No term of the Contract that further specifically indicates that you must bear the costs of an item or that further specifically indicates that an item will be performed at no additional cost to the City will be construed or interpreted to in any way limit the foregoing.

6. You must begin the Work on the date specified in the Notice to Proceed. In addition, upon receipt of the Notice to Proceed, you must assign and maintain during the term of the Contract and any extension of it, an adequate staff of competent personnel who are fully equipped, licensed as appropriate, available as needed, and qualified to perform the Work. You must include among your staff such personnel and positions as the Contract may require.

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If, in the reasonable opinion of the Commissioner, the performance of your personnel assigned to the Work is at an unacceptable level, or does not comply with the provisions of Section VIII.A, "Competency of Workers," those personnel must cease to be assigned to this Work and must return to you. You must then furnish to the Commissioner the name of a substitute person or persons in accordance with Section III.A.6. Absence of sufficient qualified personnel for the Work constitutes an event of default.

7. You must supervise and direct the Work competently and efficiently, devoting such attention and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract. You are responsible for providing a finished Project that complies fully with the Contract.
8. Risk of Loss. The Work is under your charge and care until Final Completion and Acceptance of the Work by the Commissioner, unless otherwise specified in the Contract. You assume all responsibility for injury or damage to the Work by action of the elements, fire or any other causes whatsoever, including injury or damage arising from the execution or non-execution of the Work. You must rebuild, repair, restore and make good, at no additional cost to the City, all injuries or damages to any portion of your Work before Final Completion and Acceptance of the Work.
9. When the City furnishes equipment or materials to you for use or inclusion in the Work, you must safeguard all such equipment and materials as you would equipment and materials that you furnished.
10. The Work will not be considered to be completed and accepted until you receive written notice from the Commissioner confirming the Final Completion and Acceptance of the Work.
11. If you have any questions or concerns with respect to the Detailed Specifications or Contract drawings, you must raise them with the Commissioner.

B. Subcontractors

1. All rights and obligations under this Contract are by and between the City and you. Except as may otherwise be provided in the Contract, there is no privity between Subcontractors and the City. Subcontractors have no rights as third-party beneficiaries under this Contract except as may be provided in Article XXIII. You must implement such measures as may be necessary to ensure that your Subcontractors are bound by all applicable provisions of the Contract.
2. All Subcontractors are subject to the approval of the Chief Procurement Officer. You must not substitute a Subcontractor previously accepted by the Chief Procurement Officer unless the substitution is acceptable to the Chief Procurement Officer. All requests to subcontract must be submitted on a form approved by the Chief Procurement Officer.
3. You are responsible in all aspects and at all times for all Subcontractor Work.
4. Except as required under Article XXIII, you must upon request furnish the Chief Procurement Officer with one copy of each written subcontract and subsequent modifications signed by you and the Subcontractor evidencing the agreement. All subcontracts must be in writing. All subcontracts must require that (i) all Subcontractors' Work be performed in strict accordance with this Contract: and (ii) the Subcontractor is

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bound by and subject to the requirements of this Contract, whether or not a particular provision specifically mentions Subcontractors. Subcontracts may contain different provisions than are provided in this Contract with respect to payments, schedules, and matters not affecting the quality or timely completion of the Work under this Contract, but only if the City's rights are not thereby prejudiced. You must require each Subcontractor to enter into similar subcontracts with its Subcontractors. You must make available to each Subcontractor, before the execution of the subcontract, copies of this Contract, to which the Subcontractor will be bound pursuant to the requirements of this Section III.B.4.

5. If a subcontract provided to the City does not comply with these requirements, the City's failure to object is not a waiver of them, and you will remain liable to the City for all damages, costs, fines, losses and claims arising out of the non-compliance.
6. In the case of Work performed by Subcontractors, you must secure warranties from the Subcontractors addressed to and in favor of the City; deliver copies of them to the City upon completion of the Subcontractors' Work and; guarantee and assume full responsibility for the performance of any repair or replacement Work that may be required for the full period of the warranties provided. However, the delivery of the warranties will not relieve you from any obligations assumed under this Contract.
7. Contractor hereby collaterally assigns any or all subcontracts to the City, effective upon the City's exercise, at its sole discretion, of its right to assume such assignment as a remedy for Contractor's default or in the event of early termination. The Contractor must require each of your Subcontractors (including materialmen) to consent to a collateral assignment to the City of their respective subcontract with the Contractor. The Contractor's subcontracts must include language stating:

Contractor has collaterally assigned this subcontract to the City of Chicago, effective upon written assumption of such assignment by the City in the event of Contractor's default or early termination of Contractor's contract with the City. Subcontractor hereby consents to such assignment and assumption. Subcontractor acknowledges and agrees that, in the event of such an assignment and assumption, the City will have no liability to Subcontractor for work performed by Subcontractor prior to the effective date of the assignment and assumption and that Subcontractor shall look solely to Contractor for any compensation or other obligations arising under the subcontract prior to such date.

8. The City encourages Contractors to use Subcontractors that are firms owned or operated by individuals with disabilities, as defined by § 2-92-586 of the Municipal Code, where not otherwise prohibited by Federal or State law.

C. Site Conditions and Inspection

1. Surveys, soil borings, geotechnical information, data, plans or other materials generally describing the unimproved land or existing structures at the site may be provided to you by the City. Such information is not warranted by the City to be accurate. You are not entitled to rely on it. In signing this Contract you are acknowledging that when such information appears in Contract documents, prepared by the City or its Consultants, the

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City and its Consultants have not verified the information. Site plans do not constitute any representation by the City to you of site boundaries or characteristics.

2. You must take field measurements, verify field conditions and carefully compare those field measurements and conditions and any other information known to you with the Contract documents before commencing the Work. No allowance will be made to you for any extra labor and/or materials required due to site conditions or discrepancies that might have been discovered by a thorough and proper inspection of the site. If land surveying Work is required under this Contract, you must have the Work performed by a land surveyor that is licensed as such by the State of Illinois.
3. If conditions are encountered at the site which are (i) subsurface or otherwise unknown or concealed physical conditions which differ materially from those indicated in the Contract; or (ii) pre-existing unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in activities of the character provided for in the Contract, including the presence of unanticipated Hazardous Materials, then you must provide immediate written notice to the Commissioner before proceeding with the work or disturbing those areas.
4. If the conditions differ materially from those indicated in the Contract, and cause a material increase or decrease in your cost or time required for the performance of any part of the Work, an equitable adjustment in the Contract Price or Contract Time, or both, will be made under Article XIV, "Changes in the Work."
5. You must keep on hand at the Work site, for reference, a complete set of Contract documents for the Work, copies of all plans and shop drawings, all additional and revised plans furnished by the City and all orders issued to you by the Commissioner that relate to the Work.

D. Cleaning Up

During the construction, you must keep the Work site and adjacent premises as free from material, debris, and rubbish as is practicable and must remove them entirely and at once, if in the opinion of the Commissioner, the material, debris or rubbish constitutes a nuisance, a safety hazard, or is objectionable in any way to the public. Upon verbal and/or written notification of unacceptable work day conditions by the City, you will be responsible for immediate rededication within 48 hours of notification. Your failure to act accordingly will result in completion of remediation work by the City at your expense.

As a condition of Final Completion and Acceptance of the Work, you must remove from the Work site and adjacent premises all machinery, equipment, surplus materials, falsework, excavated and useless materials, rubbish, temporary buildings, barricades and signs, and must restore the site to the same general conditions that existed before the Work began.

You must clean off all cement streaks or drippings, paint smears or drippings, rust stains, oil, grease, dirt, and any other foreign materials deposited or accumulated on any portion of the Work, or existing work, due to your operations.

You are solely responsible for and must assume all liability associated with off-site disposal of any Hazardous Materials generated as a result of your construction activities.

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E. Contractor's Warranties and Representations

You warrant and represent that:

1. You have carefully examined and analyzed the provisions and requirements of this Contract; you have inspected the Work site(s) to the extent made available by the City; from your own analysis you have satisfied yourself as to the nature and scope of work, all conditions, any obstructions and requirements needed for the preparation of your bid and the performance of this Contract, the general and local conditions, and all other matters that in any way may affect this Contract or your performance; and the time available for the examination, analysis, inspection and investigation was adequate;
2. This Contract is feasible of performance in accordance with all of its provisions and requirements and that you can and will perform, or cause to be performed, the Work in strict accordance with the provisions and requirements of this Contract;
3. Except for the contents of this Contract, no representation, statement or promise, oral or written, or of any kind whatsoever, by the City, its officials, agents, representatives or employees, has induced you to submit a bid nor have you relied upon any, including any reference to (i) the meaning, correctness, suitability or completeness of any provisions or requirements of this Contract; (ii) the nature, existence, or location of materials, structures, obstructions, utilities or conditions, surface or subsurface, that may be encountered at or on the Work site; (iii) the nature, quantity, quality or size of any materials, equipment, labor and other facilities needed for the performance of this Contract; (iv) the general conditions that may in any way affect this Contract or its performance; (v) the compensation provisions of the Contract; or (vi) any other matter;
4. You were given ample opportunity and time to review the Contract documents before submittal of your bid in order that you might request an addendum to the Contract documents that might correct or clarify them; you did so review the Contract documents, and every such correction or clarification has been included in this Contract or else, if omitted, you expressly relinquish the benefit of them and are willing to perform this Contract in its entirety without claiming reliance on any such omission or making any other claim on account of the omission;
5. In accordance with § 11-4-1600(e) of the Municipal Code, Contractor warrants and represents that it, and to the best of its knowledge, its Subcontractors have not violated and are not in violation of the following sections of the Code (collectively, the Waste Sections):
 - 7-28-390 Dumping on public way;
 - 7-28-440 Dumping on real estate without permit;
 - 11-4-1410 Disposal in waters prohibited;
 - 11-4-1420 Ballast tank, bilge tank or other discharge;
 - 11-4-1450 Gas manufacturing residue;
 - 11-4-1500 Treatment and disposal of solid or liquid waste;
 - 11-4-1530 Compliance with rules and regulations required;
 - 11-4-1550 Operational requirements; and

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11-4-1560 Screening requirements.

During the period while this Contract is executory, Contractor's or any Subcontractor's violation of the Waste Sections, whether or not relating to the performance of this Contract, constitutes a breach of and an event of default under this Contract, for which the opportunity to cure, if curable, will be granted only at the sole discretion of the Chief Procurement Officer. Such breach and default entitles the City to all remedies under the Contract, at law or in equity.

This section does not limit the Contractor's and its Subcontractors' duty to comply with all applicable Federal, State, County and Municipal laws, statutes, ordinances and executive orders, in effect now or later, and whether or not they appear in this Contract.

Non-compliance with these terms and conditions may be used by the City as grounds for the termination of this Contract, and may further affect the Contractor's eligibility for future contract awards.

6. Contractor warrants and represents that neither Contractor nor an Affiliate, as defined below, appears on the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List, or the Debarred List as maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury or by the Bureau of Industry and Security of the U.S. Department of Commerce or their successors, or on any other list of persons or entities with which the City may not do business under any applicable law, rule, regulation, order or judgment.

"Affiliate" means a person or entity which directly, or indirectly through one or more intermediaries, controls, is controlled by or is under common control with Contractor. A person or entity will be deemed to be controlled by another person or entity if it is controlled in any manner whatsoever that results in control in fact by that other person or entity, either acting individually or acting jointly or in concert with others, whether directly or indirectly and whether through share ownership, a trust, a contract or otherwise.

7. You understand that the City, in its acceptance of your proposal to perform the Work, materially relied upon your response to the Advertisement for Bids. The information you provided with the bid was accurate at the time it was made and no material changes in the information have occurred since then and will not be made without the express consent of the City.
8. In preparing and submitting your bid for this Contract, you have complied with and given full consideration to the following bidding requirements:
 - a. You obtained for bidding purposes copies of the complete Contract as identified in the Advertisement for Bids and all addenda issued by the City and have become familiar with them and all Contract requirements and conditions described in them;
 - b. You clarified to your satisfaction and complete understanding any doubt as to the true meaning and intent of all parts of the specifications and plans or other portions of the Contract documents;
 - c. You have no claim for relief because of alleged mistakes or omissions in your bid, and you will be held strictly to your bid as presented.

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9. You have the capability and financial resources to perform all of the provisions and requirements of this Contract.
10. You can perform all of your obligations under this Contract in accordance with all of the Contract's provisions and requirements.
11. Contractor warrants that no member of the governing body of the City or other units of government and no other officer, employee, or agent of the City or other unit of government who exercises any functions or responsibilities in connection with the Project to which this Contract pertains, has any personal interest, direct, or indirect, in this Contract. In accordance with 41 USC § 22, no member of or delegate to the Congress of the United States will be permitted to any share or part of this Contract or to any financial benefit to arise from it, nor, under applicable laws, will any member of or delegate to the Illinois General Assembly nor any alderman of the City or City employee. Contractor warrants that its officers, directors and employees, and the officers, directors and employees of each of member if a joint venture, and subcontractors, presently have no interest and will acquire no interest, direct or indirect, in the Project that would conflict in any manner or degree with the performance of the Work under this Contract. Contractor further warrants that in the performance of this Contract, no person having any such interest will be employed.

Furthermore, if any federal funds are to be used to compensate or reimburse Contractor under this Contract, Contractor represents that it is in compliance with federal restrictions, and promises to remain so, including federal restrictions on lobbying set forth in § 319 of the Department of the Interior and Related Agencies Appropriations Act for Fiscal Year 1990, 31 USCS 1352, and related rules and regulations set forth at 54 Fed. Reg. 52,309 ff. (1989), as amended. If federal funds are to be used, Contractor must execute a Certification Regarding Lobbying, which is contained in the EDS attached to this Contract as an exhibit.

IV. PROPERTY

A. Ownership of Property

The City will be the owner of the Work, including any improvements, equipment and fixtures installed or constructed by Contractor, as part of the Project or for which the City has paid Contractor to store in anticipation of installation or construction. The City's title shall be free and clear of liens, claims, security interests or other encumbrances, upon the earlier of installation, payment therefore or Final Completion of the Project; provided, however, that transfer of title to the City shall not relieve Contractor of any of its responsibilities under this Contract with respect to Work in Progress. Nor will the transfer of title constitute acceptance of any portion of the work.

B. Ownership of Detailed Specifications and Other Contract Documents

1. The Detailed Specifications, plans and any copies of them furnished by the Commissioner are the property of the City. They are not to be used on other work. The City will provide you the number of Detailed Specifications and plans determined appropriate by the City. The City may provide you with additional copies at your request and at your cost. You are responsible for any loss or damage to the Detailed Specifications and plans while in your

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care and custody, and you must restore all Detailed Specifications and plans that may be lost or damaged. Contract documents will be furnished as follows:

Contract Plans	2 Sets
Subsequent Details	2 Sets
Specifications and Contract Documents	2 Sets

2. You must obtain specifications issued by organizations other than the City to which reference is made in the City's documents at your own expense. You must also retain them at the Work site and make them accessible to the Commissioner.
3. The City is the owner of the Project. All documents, data, studies, reports, and instruments of service prepared for or by the City under this Contract are the property of the City. During the performance of your Work, you are responsible for any loss or damage to documents while in your possession or the possession of a Subcontractor and you must restore any such document so lost or damaged at your expense.

You must deliver, or cause to be delivered, at any time during the term of this Contract, all documents, including drawings, models, specifications, estimates, reports, studies, maps, and computations, prepared by or for the City, under the terms of this Contract to the City, promptly upon reasonable demand for them or upon termination of the Work. If you fail to deliver them when required, then you must pay the City all damages the City may sustain by reason of the failure, including consequential damages.

C. Right of Entry

1. You, and any of your officers, employees, agents, and Subcontractors, are permitted to enter upon any part of the Work site owned by the City in connection with the performance of the Work under this Contract, subject to the terms and conditions contained in this Contract and those rules that may be established by the Commissioner. You must provide advance notice to the City of any such intended entry. Consent to enter upon all or any part of the Work site given by the City will not create, nor be deemed to imply the creation of, any additional responsibilities on the part of the City.
2. Inspections: You acknowledge that the City has a right of access to the Work site at all times and the right to inspect all Work during the Contract period.
3. You must use, and must cause each of your officers, employees, agents, and Subcontractors to use, the highest degree of care when entering upon property owned by the City in connection with the Work. In the case of any property owned by the City, or property owned by and leased from the City, you must comply and must cause each of your officers, employees, agents, and Subcontractors to comply, with all instructions and requirements for the use of the property, including any licenses for them, which are incorporated by reference. All claims, suits, judgments, costs, or expenses, including reasonable attorneys' fees, arising from, by reason of, or in connection with any such entry is treated in accordance with the indemnification provisions contained in this Contract.

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D. Damage to City Property

If you cause damage to City property, you must, at the sole option of the City, either: (i) pay the cost of repair of the damage; or (ii) repair or replace any property so damaged. The City has the right to a set-off against its payments to you under this Contract for the cost of any such repairs. All cost to repair or replace any property so damaged will be completed before any final payment can be made to you by the City.

E. Right to Occupy Before Substantial Completion

1. The City may occupy and use the Project or portions of it in advance of Substantial Completion of the Work. If the City desires to exercise partial occupancy and use before Substantial Completion of the Work, the Commissioner will provide written notice to you, and you must cooperate with the Commissioner in making available for the City's use such Project services as heating, ventilating, cooling, water, lighting and telephone for space or spaces to be occupied, and if the equipment required to furnish the services is not entirely completed at the time the City desires to occupy and use the space or spaces, you must make every reasonable effort to complete that Work.
2. When the Commissioner determines that the City will use all or part of the Project before Substantial Completion, the Commissioner will determine:
 - a. The responsibility between the City and you for maintenance, repair, furnishing of utilities and the protection of the public (if required) for that part of the Work to be occupied;
 - b. The list of items remaining to be performed before the Work or portion of it to be occupied will be substantially complete;
 - c. Whether you will need any types of insurance; and
 - d. The effect of the City's use before Substantial Completion on required guarantees and warranties.

F. Final Completion and Acceptance of the Work

When you deem the Work to be complete, you must notify the Commissioner, in writing, that the Work will be ready for an inspection and/or test on a date you specify. The notice must be given at least 15 calendar days in advance of the date. If the Commissioner concurs that the Work will be ready for inspection or testing on the date given, the Commissioner will make the inspection within a reasonable period of time. The scheduling of the inspection to determine whether the Work is complete does not relieve you of your responsibilities under the Contract. You must cooperate in all respects in the scheduling and performance of the inspection.

Final Payment at Final Completion and Acceptance of the Work. Unless expressly stated otherwise in Book 2 or Book 3, final payment will be made only when all Work, including Punch List Work, is complete and you submit to the Commissioner, within 180 calendar days or sooner from the Substantial Completion Date, a sworn affidavit stating the following:

1. All payrolls, invoices for materials and equipment and all other indebtedness connected with the Work for which the City might in any way be responsible have been paid or otherwise satisfied;

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2. All waivers of lien required by the Contract have been provided to the Commissioner;
3. As of the date the affidavit is signed, all known claims made by Subcontractors of any tier and others against you, the City, any agents or representatives of the City pertaining to the Work required under this Contract were provided in writing to the Commissioner and have been resolved;
4. The warranties and guarantees required by the Contract have been provided to the Commissioner;
5. All warranties and guarantees are in full force and effect;
6. The surety's written consent, signed by its authorized representative, to final payment being made directly to you is attached to the affidavit;
7. Acceptance of final payment will constitute a general release to the City, its agents, representatives, officials and employees of all other claims of liability for anything done or furnished or relating to the Work or for any act or neglect of the City or its agents, representatives, officials and employees relating to or connected with this Contract;
8. Record Documents, including Record Drawings, Record Shop Drawings and operation and maintenance manuals have been provided to the Commissioner;
9. All other documents requested by the Commissioner have been provided; and
10. Wages paid and classifications for laborers and mechanics, including apprentices and trainees employed on the Project, in the following form:

FINAL CERTIFICATE

The undersigned, Contractor on _____ (Specification No: _____ /Contract No. _____) certifies that all laborers, mechanics, apprentices and trainees employed by it or by a Subcontractor performing Work under the Contract have been paid wages at rates not less than those required by the Contract provisions, and that the Work performed by each such laborer, mechanic, apprentice or trainee conformed to the classifications set forth in the Contract or training program provisions applicable to the wage rate paid.
Signature and Title

Name	Title
Authorized Officer	
Contractor:	
Project:	

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V. SHOP DRAWINGS, PRODUCT DATA, RECORDS AND SAMPLES

A. Contractor's Responsibilities and Submittal Procedures

1. Shop Drawings, Product Data, Samples are part of the Work under this Contract, and if also specified, video tape and/or photographs. You must provide them at your expense to the satisfaction of the Commissioner.
2. You must submit to the Commissioner those Shop Drawings, Product Data, Samples, video tape and photographs required for the Work involved under this Contract in accordance with the Schedule.
3. The Schedule must include a schedule of proposed submittal dates. The dates listed in the Schedule must allow sufficient time for review and processing of Shop Drawings or other data by the City and your re-submittal of them, if necessary, before you will need them to complete your performance of the Work they represent under this Contract. No extensions of time will be granted to you because of your failure to have Shop Drawings, Product Data, Samples, video tape and photographs submitted in time to allow for review, re-submittal and final review. You must also submit a separate submittal schedule (in table format), in addition to the Schedule, identifying all Submittals with submittal dates to the Commissioner for review and approval.
4. You must prepare and submit proper Shop Drawings, Product Data, Samples, video tape and photographs in accordance with your contractual obligations. By submitting them, you represent that you have determined and verified all materials, field measurements, field conditions and quantities, and that you have checked and coordinated the information contained within the Submittal, including your Subcontractors' Submittals, with the requirements of the Work and of the Contract.
5. You must date and stamp all Shop Drawings, Product Data, Samples, video tape and photographs. You must also indicate on them that you have reviewed and checked them before submission and found to be in conformance with the Contract. All Submittals must be transmitted to the Commissioner. You must clearly mark each Shop Drawing, Video Tape, Product Data and Sample, in accordance with the following for purposes of identification and record:

SUBMITTAL IDENTIFICATION

Name of Project: _____
Contract Name and Number: _____
Date of Submittal: _____
Submittal Number: _____
Re submittal of Submittal Number: _____
Identification of Deviations from Contract documents: _____
Specification Section, Page, and Paragraph No. and/or Drawing
No.: _____
Type of Material and
Manufacturer: _____
Intended use: _____
Applicable Standards such as ASTM
numbers: _____
CHECKED AND SUBMITTED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.

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Contractor: _____

By: _____ Date: _____

6. Shop Drawings must be submitted with accurate dimensions. The Shop Drawings must represent the actual manner in which the Work is manufactured and installed, and the relation of the Work installed to that of other trades, clearances, and all other pertinent data. Cross-section drawings must indicate minimum clearances and all other pertinent data. Dimensions must be expressed in feet and inches. Designs prepared in the metric system may be submitted with metric units, but the equivalent English units must also be shown. All weights and dimensions must be certified before submission for review.
7. The Commissioner's review and acceptance of Shop Drawings in no way relieves you from responsibility for errors or omissions that may exist in the Work or on the certified Shop Drawings. Where such errors or omissions are discovered, you must correct them at no additional cost to the City. Submittals must be sufficiently complete to allow for proper review. You must submit all Shop Drawings, Product Data, Samples, video tape and photographs to the Commissioner for review with an accompanying transmittal letter containing the above Submittal identification data and a list of items being submitted. You must coordinate Submittals into logical groups or sets to facilitate review of several related items.
8. Any Submittal that in the Commissioner's sole opinion is not complete and in proper form will be returned to you without review. You must not submit as Shop Drawings duplicates or reproductions of any Contract documents issued by the City.
9. You must provide Submittals in the following quantities unless a greater number is specified elsewhere in the Contract or is required by the Commissioner:
 - a. Shop Drawings: Submit one reproducible transparency and six opaque copies of shop drawings;
 - b. Product Data: Submit six copies of Product Data;
 - c. Samples: Submit four samples; and
 - d. Video and photographs (when required under the Contract): Submit two copies of Video and photographs.
10. Before submitting Shop Drawings, Product Data, Samples, video tape and photographs, you must notify the Commissioner in writing of any deviations in the Submittals from the requirements of the Contract. If deviations from the Contract requirements are rejected by the Commissioner or if evaluation of the deviations delays the progress of Work, any delay caused will not be compensable by a time extension.

B. Review by the Commissioner

1. Submittals will be reviewed by the Commissioner for compliance with the Contract. In reviewing them the Commissioner will not verify dimensions and field conditions. Any such review does not relieve you, your Subcontractor, manufacturer, fabricator or supplier from responsibility for any deficiency that may exist or from any departures or deviations from

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the requirements of the Contract, nor does it relieve you or them from responsibility for (i) errors of any sort in Shop Drawings, Samples and Product Data, (ii) responsibility for proper fitting of the Work, or (iii) the necessity of furnishing any Work required by the Contract that may not be indicated on Shop Drawings when reviewed. You are solely responsible for any quantities that may be shown on the Shop Drawings. The Commissioner's review of a specific item does not indicate approval of an assembly of which the item is a component.

2. You must not fabricate products, begin Work, order or have delivered any material, equipment or system that requires a reviewed Submittal until return of the Submittal from the Commissioner with a stamp authorizing Work and/or delivery and installation to be performed, as described in Section V.B.3, immediately below.
3. The Commissioner will return Submittals stamped as follows:
 - a. "No Exceptions" means no changes need be made on the reviewed Submittal. You may proceed with the Work for that Submittal.
 - b. "Exceptions as Noted" indicates that the Submittal is accepted subject to the corrections and/or comments noted. You may proceed with the Work for that Submittal but only if you incorporate the Commissioner's comments, and/or corrections. Re-submittal is not required, but the corrections must be reflected in the Record Documents.
 - c. "Revise and Resubmit" means that the Submittal does not meet all the requirements necessary to proceed with the Work associated with the Submittal. You must resubmit in accordance with the reviewer's comments and/or corrections. Submittals marked in this manner must not be released for fabrication, delivery or construction.
4. If the Submittal requires revision, you must notify the Commissioner and all pertinent Subcontractors, in writing, that the reviewed set has been withdrawn.
5. Submittals that require revisions must be corrected and resubmitted to the Commissioner to maintain the approved CPM schedule, but in no event more than five days after receipt of the Commissioner's comments.
6. Shop Drawings: After review by the Commissioner, one reproducible stamped by the Commissioner as previously described in Section V.B.3 above will be returned to you.
7. Submission and Review of Samples: If a considerable range of color, graining, texture or other characteristics may be anticipated in finished products, you must furnish a sufficient number of Samples of the specified materials to indicate the full range of those characteristics that will be present in the finished products. Any product delivered or erected without submission and review of full-range Samples is subject to rejection. Each tag or sticker must have clear space for your stamps and those of the Commissioner. Notice of the result of the review will be provided to you with one of the stamps indicated in Section V.B.3 above. Rejected samples will be returned. Accepted samples will be retained by the Commissioner and become the property of the City. Where color samples are required to be submitted, color samples must be submitted in the actual material that will finally be installed in the Work. The various parts of the Work must be in accordance with the reviewed and approved Samples.

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8. Product Data: After review by the Commissioner, two sets of Product Data stamped by the Commissioner as previously described will be returned to you.

C. Source of Materials

You must notify the Commissioner in writing as soon as possible after the Contract has been awarded, but not less than three weeks before the need for inspection and testing of the source (or sources) from which you expect to obtain the various construction materials. The source of supply of each material used must be approved by the Commissioner before delivery is commenced. If sources previously approved are found to be unacceptable at any time and fail to produce materials satisfactory to the Commissioner, you must furnish materials from other approved sources.

D. Record Documents

At Substantial Completion, you must deliver to the Commissioner, in suitable transfer cases clearly marked "Record Documents," all Record Drawings, Record Shop Drawings, warranties and guaranties, photographs, video Records (if any are required), Product Data, instructions, parts list, and operations and maintenance manuals arranged in proper order and indexed.

E. Record Drawings

1. As the Work progresses, you and the Subcontractor for each trade or division of work, under your direction must keep a complete and accurate record of the following:
 - a. Changes between the Work as shown on the Contract drawings and the Shop Drawings indicating the Work as actually installed;
 - b. The specific location of all infrastructure elements, including piping, valves, ductwork, equipment, driveways, catch basins, sewer lines, waterlines, water mains, and other such elements that were not accurately located or changed location or elevation from that shown on the Contract drawings; and
 - c. Equipment schedules indicating manufacturers' names and model numbers installed.
2. You must record changes neatly and correctly daily on blue line prints of the Contract drawings updated daily. You must keep this record set of Contract drawings at the job site for inspection by the Commissioner. Upon completion of the Work, you must submit a final set of full-size prints to the Commissioner for review and acceptance.
3. At the time Record Drawings are delivered to the Commissioner, you and each Subcontractor must certify, in writing, that the Record Drawings are complete and accurate.

F. Record Shop Drawings and Product Data

1. As the work progresses, you must keep a complete and accurate record of the changes and deviations from the Work as shown on the Shop Drawings and Product Data indicating the Work performed. You must furnish Record Shop Drawings in a form and quantity acceptable to the Commissioner. Record Shop Drawings must be submitted for all items reviewed as Shop Drawings. Record Shop Drawings must be legibly drawn on sheets of mylar or such other medium as directed by the Commissioner. Record Shop Drawings

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must be submitted on the same size sheets as the Contract Document drawings and include an index of all items.

2. You must furnish six record copies of Product Data in loose leaf binders. Loose leaf binders must be subdivided by Submittal numbers and must contain an index of all items.

G. Construction Progress Photographs

You must submit to the Commissioner construction progress photographs consisting of exterior and interior views of the Work, with the date and location of the photographs as selected and directed by the City. If requested at any time by the Commissioner, you must use digital photography, at the resolution specified by the Commissioner. You must provide three prints of each view to the Commissioner within five days of taking the photographs. If digital photography is not requested or until it is requested, then you must provide each photograph on an 8" x 10" smooth surface, glossy, black and white print, on single-weight commercial-grade stock. The 1" wide margin, which is punched for a standard 3-ring binder, will have a left-sided margin for vertical shots and a top-sided margin for horizontal shots. A label will be included on the front bottom margin, which will contain the project name and date that the photograph was taken. On the back of each print, you must provide an applied label or rubber stamp impression with the following information:

1. Name of the Project;
2. Name and address of the photographer;
3. Name of the Architect;
4. Your name;
5. Date the photograph was taken;
6. Description of vantage point, in terms of location, direction (by compass point), and elevation or level of construction.
7. Notation of vantage point marked for location and direction of shot on a key plan of the site and building, with elevation (story height) noted.

The photographs must be taken monthly, coinciding with the cutoff date associated with each application for payment. From time-to-time the City may issue a request for additional photographs, in addition to the periodic photographs specified. Additional photographs are not included in the Contract Price and will be paid for by Change Order.

H. Instructions, Parts List and Operation and Maintenance Manuals

You must furnish a complete list of equipment actually installed. The list must include a copy of pertinent nameplate data, name and address of local representative who stocks or furnishes repair or replacement parts, and name, address, and telephone number of the Subcontractor responsible to you for the equipment under the guarantee. You must guarantee any such equipment with respect to the City.

You must submit suitable operating instructions for each major component of equipment and its controls. Instructions must include a schematic diagram accurately showing equipment and controls as installed. Included with each diagram must be a set of simple operating instructions

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stating how the system is stopped and started, what adjustments are to be made by the operator, and what to do in case of an emergency. Five copies of proposed instructions must be submitted to the Commissioner for review and acceptance. Upon acceptance, you must post applicable instructions as directed by the Commissioner.

You must submit maintenance data prepared by the manufacturer of each major component of equipment and its controls. Data must include complete parts list, itemized lists of common purchase items of materials (e.g., bearings, packing, connectors, sealing devices, and other standard items) indicated by their standard trade designation, recommended routine and inspection maintenance, including testing recommendations to evaluate efficiency of performance, lists of special tools and gauges, lubricating instructions, and recommended spare parts lists, tolerances and clearances required for maintenance, and trouble-shooting guides prepared in a simple format to indicate complaint or problem, probable cause, and remedy. You must submit five copies of the proposed maintenance data to the Commissioner for review and acceptance in accordance with Article XIV.

I. Adjustment of Equipment

Before the Work is turned over to the City, you must furnish the necessary instruments, test equipment, services, and personnel required to adjust and balance each piece of equipment in order to provide a smoothly functioning, well-integrated system complying with the letter and intent of the Contract.

J. Project Account Records

1. Project Data and Records

- a. You and each Subcontractor must keep an accurate record showing the names, occupation, and the actual hourly wages paid to all laborers, workers and mechanics employed by them in connection with the Work. The record must be open at all reasonable hours to the inspection of the Commissioner and to the Director of Labor of the State of Illinois and his deputies and agents. You also must furnish the Commissioner and the Chief Procurement Officer with certified copies of the payrolls, in accordance with Section XIII.B.3.d.
- b. You must furnish to the Commissioner upon request a written statement, verified by affidavit, giving the names and addresses of all persons, firms and corporations who have up to that date furnished labor or materials in the performance of the Contract and the amounts due or to become due them.
- c. You and all Subcontractors must furnish the Commissioner with such information as the Commissioner may require relating to labor and materials, including all information necessary to determine the cost of the Work, such as the number of workers employed, their pay, the distribution of labor into Work items, equipment time distribution and any other information that the Commissioner may require. You must, on request, furnish the Commissioner with copies of delivery tickets and invoices, in triplicate, covering the expenditures on the Contract.

2. Audits

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- a. You and your Subcontractors must furnish the Commissioner such information as he may request regarding the progress, execution, and cost of the Work. You must maintain complete records showing actual time devoted and costs incurred, adopting accounting procedures and practices sufficient to record properly all costs of whatever nature claimed to have been incurred and anticipated to be incurred for or in connection with the Work. This system of accounting must accord with generally accepted accounting principles and practices, consistently applied throughout. You must maintain its books, records, documents and other such evidence for five years after final payment.
 - b. All books and accounts you and your Subcontractors are required to keep in connection with the Work under this Contract must be open to inspection and audit by authorized representatives of the City at reasonable times during the performance of the Work, and they must be retained in a safe place and available for inspection and audit during the five-year period after final payment, as provided above. No provision in this Contract granting the City a right of access to records and documents is intended to impair, limit, or affect any right of access to such records and documents that the City would have had in the absence of such provisions.
 - c. If the City, in its sole discretion, chooses to conduct an audit either during the performance of the Work or in the five-year period after final payment, each audited calendar year or partial calendar year is considered an "audited period." If, as a result of such an audit, it is determined that you or any of your Subcontractors have overcharged the City in the audited period, the City will notify you. You must then promptly reimburse the City for any amounts the City has paid you due to the overcharges and also some or all of the cost of the audit, as follows:
 - (1) If the audit has revealed overcharges to the City representing less than 5% of the total value, based on the Contract Prices, of the goods, work, or services provided in the audited period, then you must reimburse the City for 50% of the cost of the audit and 50% of the cost of each subsequent audit that the City conducts;
 - (2) If, however, the audit has revealed overcharges to the City representing 5% or more of the total value, based on the Contract Prices, of the goods, work, or services provided in the audited period, then you must reimburse the City for the full cost of the audit and of each subsequent audit.
 - d. Your failure to reimburse the City in accordance with V.J.2.c above is an event of default under this Contract, and you will be liable for all of the City's cost of collection, including any court cost and attorneys' fees.
- 3. Confidentiality**
- All of the reports, information, or data, prepared or assembled by or provided to you under this Contract are confidential and except as specifically authorized in this Contract or as may be required by law, you must not make available the reports, information, or data, to any other individual or organization, without the prior approval of the Commissioner. This requirement will survive expiration or termination of this Contract.
- 4. Electronic Records**

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Upon request by the Commissioner, Contractor shall provide the City electronic versions of any hard-copy record documents that the Contractor is required to prepare by the Contract.

VI. ASSIGNMENT

A. Assignment of Contract by Contractor

You must not assign the Contract, in whole or in part, without the prior written consent of the Chief Procurement Officer. The consent of the Chief Procurement Officer will not relieve you from any obligations under this Contract, or in any other way change the terms of this Contract.

B. Assignment of Funds or Claims by Contractor

You must not transfer, pledge or assign any Contract funds or claims due or to become due without the prior written consent of the Chief Procurement Officer. The transfer, pledge or assignment of any Contract funds, either in whole or in part, or any interest in the Contract funds, that are due or to become due to you, without the prior written consent of the Chief Procurement Officer, is void with respect to the City.

C. Assignment of Contract by City

The City reserves the right to assign or otherwise transfer all or any part of its interests under this Contract without your consent or approval.

D. Assigns

All of the terms and conditions of this Contract are binding upon and inure to the benefit of the parties to it and their respective legal representatives, successors, transferees, and assigns.

E. Requests to Subcontract

All requests to subcontract must be accompanied by three copies of a written subcontract agreement that sets forth the scope of services to be subcontracted, the lump sum or unit price for the services and the signature of the subcontracting parties. Proposed Subcontractors must not commence Work on any portion of the Project without prior written approval by the Chief Procurement Officer.

VII. QUALITY OF WORKMANSHIP, EQUIPMENT AND MATERIALS

A. Standard of Performance

In addition to performing the Work in full compliance with the Contract you must perform, or cause to be performed, all Work required of you under the terms and conditions of this Contract with that degree of skill, care, and diligence normally exercised by qualified and experienced contractors in performing work in projects of a scope and magnitude comparable to the Work.

B. Correction of Work

1. You must, upon discovery of any defective or non-conforming Work, or when directed in writing by the Commissioner, promptly re-perform, correct or remove all Work identified to

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be defective or as failing to conform to the standards set forth in, or any requirement of the Contract, whether or not completed. You must bear all costs of correcting the defective or non-conforming Work, including costs associated with removing any defective or non-conforming Work, replacing the defective or non-conforming Work with non-defective, conforming Work and any compensation for any additional equipment, materials and/or services made necessary by the removal and replacement.

2. If you do not proceed with re-performance, correction or removal of the defective or non-conforming Work after written notice from the City within the time period designated by the notice, the City may correct or remove it and may store the materials and/or equipment at your expense, then complete the corrective Work. If you do not pay the costs incurred for the removal, storage and correction within 10 days after you receive written notice from the City of the amount of the costs, the City may upon 10 additional days' written notice, sell any such materials and/or equipment at an auction or at a private sale and will account for the net proceeds, after deducting all the costs you are required to bear, including compensation for the City's services. If the proceeds of sale do not cover all costs for removal and correction of the Work, the difference will be charged to you with a deduction of any amounts due you, and an appropriate Contract modification will be issued. If later payments due you are not sufficient to cover the amount, you must pay the difference to the City, or the City may deduct the amount from any other funds due to you, including any amounts due under any other contract between City and you.
3. You must not perform any work without lines and grades or beyond the lines shown on the drawings or outside the scope of the Contract, without the prior written consent or direction of the City. It is not authorized, and if you do so you perform it at your sole expense. Upon direction of the City, work so done must be removed or replaced and those areas restored to their previously existing state at your sole expense.
4. Neither the determination of Final Completion and Acceptance of the Work, nor payment, nor any provisions in the Contract will relieve you of responsibility for defective or non-conforming Work, faulty materials, equipment or workmanship, and unless otherwise specified, you must remedy any defects due to the foregoing and pay for any damage to the Work or other property resulting from defective or non-conforming Work, or faulty materials, equipment or workmanship throughout the Warranty Period, as defined in Section VII.E, "Warranties," below, or such other period of time afforded by industry custom or law, whichever is longer. The City will give you written notice of the observed defects with reasonable promptness.

C. Materials and Equipment

1. **Quality of Materials.** Unless otherwise specified in the Contract you must use all new materials for the Project and use them in such a manner as to produce completed Work that conforms with the Contract and is acceptable in every detail to the Commissioner. Only materials that conform to the requirements of these specifications may be incorporated or used in the Work. In the absence of a definite specification, materials must be the best of their respective kind with properties best suited to the Work required.
2. **Materials Inspection and Responsibility.** Before any material is incorporated into the Work, you must submit a "Request for Materials Inspection" to the Commissioner. You are solely responsible for submitting the requests with sufficient time for the City to conduct its

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inspection. You are not entitled to payment for uninspected materials. The City has the right to inspect any material to be used in carrying out this Contract. The City does not assume any responsibility for the availability of any materials or equipment required under this Contract. By performing any tests or accepting any materials, the City in no way relieves you of any of your obligations or responsibility under this Contract. Materials, components or completed Work that do not comply with the Detailed Specifications and other requirements of this Contract may be rejected by the City, and you must replace them at no additional cost to the City. After you receive notice from the City that materials or components have been rejected, you must promptly remove them from the City's premises at no additional cost to the City.

D. Substitution of Materials

1. The City will consider your request for substitution in cases of product unavailability or other conditions beyond your control.
2. You must submit each request for substitution separately and each must include:
 - a. Complete data substantiating compliance of proposed substitution with requirements stated in the Contract;
 - (1) Product identification, including manufacturer's name and address
 - (2) Manufacturer's literature identifying:
 - (a) Product description
 - (b) Reference standards
 - (c) Performance and test data
 - (3) Samples, as applicable
 - (4) Names and address of similar projects on which the product has been used, and date of each installation;
 - b. Itemized comparison of the proposed substitution with product specified that lists significant variations;
 - c. Data relating to changes in the Schedule;
 - d. Any effect of substitution on other parts of the Work, any Subcontractors, or any separate contracts;
 - e. List of changes required in other Work or products;
 - f. Accurate cost data comparing proposed substitution with product specified, including the amount of any net change to Contract Price;
 - g. Designation of required license fees or royalties; and
 - h. Designation of availability of maintenance services, sources of replacement materials.
3. When you make a formal request for substitution make you are warranting and representing that:
 - a. The proposed substitution is equivalent to or superior in all respects to the product specified;

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- b. The same warranties and guarantees will be provided for the substitute as for the product specified; and
 - c. You will coordinate the installation of accepted substitutes into the Work and will make such changes as may be required for the Work to be complete in all respects.
- 4. If evidence you present does not, in the sole opinion of the Commissioner, provide a sufficient basis for reasonable certainty that the proposed substitution or deviations will provide a quality, result, function, and esthetic appearance, among other attributes, at least equal to that attainable by the specified product, the Commissioner may reject the substitution or deviation without further investigation.
 - 5. The Commissioner will judge the design and appearance of proposed substitutes on the basis of their suitability in relation to the overall design of the Project, as well as for their intrinsic merits. The Commissioner will not approve proposed substitutes as equal to items specified that, in the Commissioner's opinion, would be unharmonious, or otherwise inconsistent with the character, quality or design of the Project.
 - 6. You must bear any additional cost, or any loss or damage, arising from the substitution of any material or method for those specified, including the cost for damages incurred by other contractors notwithstanding approval or acceptance of the substitution by the Commissioner, unless the substitution was initiated by the written request or direction of the Commissioner.
 - 7. The investigation review and approval of substitute materials requires a minimum of 30 days beyond that required for specified routine items. No request for a delay or disruption will be allowed whether or not the substitution is granted.
 - 8. Approval by the Commissioner of a substitution of material will be given in a Contract modification as required in Article XIV, "Changes in the Work."

E. Warranties

- 1. You warrant all Work furnished under this Contract against defective materials and workmanship, improper performance and non-compliance with the Contract for a period of one year after the date of Final Completion and Acceptance of the Work ("Warranty Period"), except as otherwise specifically stated in other parts of the Contract or within such longer periods of time as may be provided by law or by the manufacturer, which periods will then become the Warranty Period as applicable. Your warranty will be in addition to any Manufacturers' Warranties.
- 2. Your written warranty will include the name of the project as designated in the Contract, be signed by an officer of the company having authority to provide the warranty, and state: "This document serves as a one - year written warranty for the Work performed, and material and equipment installed on the above referenced project. This warranty incorporates all provisions of the Contract that refer or relates to the warranty. This warranty begins on (date) ."
- 3. During the Warranty Period, you must repair and replace at your own expense, when so ordered by the Chief Procurement Officer or the Commissioner, all Work that may develop defects whether these defects may be inherent in the equipment or materials, in the functioning of the piece of equipment, or in the functioning and operation of pieces of

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equipment operating together as a functional unit. Any equipment or material that is so repaired or replaced will have the Warranty Period extended for a period of one year from the date of the last repair or replacement.

4. You must bear all costs associated with any repair or replacement under this section, including removal, material, transportation, and reinstallation.
5. Manufacturer's Warranties
 - a. You must:
 - (1) ensure that all required Manufacturer's Warranties pass through to the City and the Department;
 - (2) submit all applicable manufacturers' warranties to the Commissioner and ensure that all warranty forms have been completed in the Department's name and registered with the appropriate manufacturers.
 - b. Whenever you make repairs or provide replacements under Section VII.E.3, you must provide a manufacturer's warranty for the repaired or replaced Work, if standard with the manufacturer, in addition to your warranty under Section VII.E.2.

VIII. PERSONNEL

A. Competency of Workers

You must employ only competent and efficient laborers, mechanics or artisans on the Work, as demonstrated by completion of a specific training program or demonstrated project experience. Whenever, in the opinion of the Commissioner, any worker is careless, incompetent, violates safety or security rules, obstructs the progress of the Work, acts contrary to instructions or acts improperly, or fails to follow the safety requirements of this Contract, you must, upon request of the Commissioner, remove the worker from the Work. You must not permit any person or worker to enter any part of the Work or any buildings connected with it who is under the influence of intoxicating liquors or controlled substances.

B. Supervision and Superintendence

While Work is in progress, either by your labor force or that of your Subcontractor, you must have a full-time, experienced and qualified superintendent assigned to the Work. You must superintend the Work and must have a competent superintendent at the job site at all times with authority to act for you as the contact person with the Commissioner.

C. Contractors Project Personnel

No separate payment will be made to you for the cost of personnel. Those costs must be included in the Contract Price.

D. Key Personnel

Upon award of the Contract, you will submit a project staff organization chart that includes the names and resumes of employees in key positions for this project. All employees in key positions must be approved by the Commissioner.

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Changes in the assignment of any key personnel due to commitments not related to this Contract are prohibited without Commissioner's approval. If any key personnel, selected in accordance with the key personnel provisions under this section of the Contract, should become unable to continue in the performance of the assigned duties for reasons due to death, disability or termination, you must promptly notify the Commissioner and explain the circumstances.

Under a request by Commissioner, you must provide to the Commissioner, within seven days, the name of the person substituting for the individual unable to continue, together with any information the Commissioner may require to judge the experience and competence of the substitute person. Upon approval by the Commissioner, the substitute person will be assigned to the project. If the Commissioner rejects the substitute, you will have seven days after that to provide the name a second substitute person, with any information the Commissioner may require, until a proposed replacement has been approved by the Commissioner.

E. Prevailing Wage Rates

In the performance of the Work, you are fully responsible for paying not less than the prevailing rate of wages as determined by the Illinois Department of Labor, which must be paid to all laborers, mechanics, and other workers performing Work under this Contract.

Your attention is called to the generally prevailing hourly rate of wages, as determined by the Illinois Department of Labor, which are bound in Book 2 of these specifications and which are incorporated into the Contract. These wage rates are also the prevailing wage rates for the City of Chicago, as determined by the Department as of the date of publication of these specifications.

The wage rates set forth in these specifications were the rates in effect at the time these specifications were issued. In the performance of the Work, however, you are fully responsible for paying the generally prevailing hourly rate of wages in effect, as determined by the Illinois Department of Labor, at the time the Work is performed. If the Illinois Department of Labor revises the prevailing rate of hourly wages to be paid for the Work before completion of the Project, the revised rate applies to this Contract from the effective date of the revision, but the revision does not entitle you to any increased compensation under the terms of this Contract.

As a condition of making payment to you, the City may require you to submit an affidavit to the effect that not less than the prevailing hourly wage rate is being paid to laborers, mechanics, and other workers employed on this Contract in accordance with Illinois law.

F. [Intentionally omitted.]

G. Minimum Wage, Mayoral Executive Order 2014-1

Mayoral Executive Order 2014-1 provides for a fair and adequate Minimum Wage to be paid to employees of City contractors and subcontractors performing work on City contracts.

Contractor must comply with Mayoral Executive Order 2014-1 and any applicable regulations issued by the CPO. The Mayoral Executive Order 2014-1 wage rate increases on July 1 of each year and is posted on the City website. The Minimum Wage must be paid to:

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- All employees regularly performing work on City property or at a City jobsite.
- All employees whose regular work entails performing a service for the City under a City contract.

The Minimum Wage is not required to be paid to employees whose work is performed in general support of contractors operations, does not directly relate to the services provided to the City under the contract, and is included in the contract price as overhead, unless that employee's regularly assigned work location is on City property or at a City jobsite. It is also not required to be paid by employers that are 501(c)(3) not-for-profits.

Except as further described, the Minimum Wage is also not required to be paid to categories of employees subject to subsection 4(a)(2), subsection 4(a)(3), subsection 4(d), subsection 4(e), or Section 6 of the Illinois Minimum Wage Law, 820 ILCS 105/1 et seq., in force as of the date of this Contract or as amended. Nevertheless, the Minimum Wage is required to be paid to those workers described in subsections 4(a)(2)(A) and 4(a)(2)(B) of the Illinois Minimum Wage Law.

Additionally, the Minimum Wage is not required to be paid to employees subject to a collective bargaining agreement that provides for different wages than those required by Mayoral Executive Order 2014-1, if that collective bargaining agreement was in force prior to October 1, 2014 or if that collective bargaining agreement clearly and specifically waives the requirements of the order.

If the payment of a prevailing wage is required and the prevailing wage is higher than the Minimum Wage, then the Contractor must pay the prevailing wage.

Contractors are reminded that they must comply with Municipal Code Chapter 6-105 establishing a minimum wage.

H. Employment Preferences

1. Veterans Preference

In accordance with the Veterans Preference Act, 330 ILCS 55/0.01 *et seq.*, employment and appointment preference shall be given to veterans when filling positions. This preference may be given only where the individuals are available and qualified to perform the Work. Contractor must ensure that the above provision is inserted in all contracts it enters into with any Subcontractors and any labor organizations that furnish skilled, unskilled and craft union skilled labor, or that may provide any material, labor, or services in connection with this Agreement.

2. Chicago and Project Area Residency Requirements

If the funding under this contract is \$100,000 or more, Contractor and all subcontractors that perform work on the site on the construction project undertaken pursuant to this contract shall comply with the minimum percentage of total worker hours performed by actual eligible residents of the City of Chicago as specified in § 2-92-330 of the Municipal Code and rules and regulations adopted thereunder,, unless otherwise prohibited by law. 7.5% of the total work hours must be performed by project area residents and 50% of the total work hours must be performed by city residents unless the Chief Procurement Officer

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determines otherwise. Work hours performed by project area residents are counted as work hours performed by city residents for purposes of calculating the minimum work hour percentage required to be performed by city residents. In addition to complying with this requirement, Contractor and all Subcontractors must make good faith efforts to utilize qualified eligible residents of the City of Chicago in both unskilled and skilled labor positions.

"City residents" means persons domiciled within the city.

"Project area residents" means persons domiciled within that part of the city designated as the project area in the information for bidders issued by the Department of Procurement Services.

"Domicile" means an individual's one and only true, fixed and permanent home and principal establishment.

"Eligible residents" means city residents and project area residents.

"Actual residents of the City of Chicago" shall mean persons domiciled within the City of Chicago. The domicile is an individual's one and only true, fixed and permanent home and principal establishment.

The contractor shall provide for the maintenance of adequate employee residency records to ensure that actual eligible Chicago residents are employed on the project. The contractor and subcontractors shall maintain copies of personal documents supportive of every Chicago employee's actual record of residence.

Certified payroll reports (U.S. Department of Labor Form WH-347 or equivalent) must be submitted weekly to the Commissioner of the supervising department in triplicate, shall identify clearly the actual residence of every employee on each submitted certified payroll. The first time that an employee's name appears on a payroll, the date that the company hired the employee should be written in after the employee's name.

Full access to the contractor's and subcontractors' employment record shall be granted to the Chief Procurement Officer, the Commissioner of the supervising department, the Superintendent of the Chicago Police Department, the inspector general, or any duly authorized representative thereof. The contractor and subcontractors shall maintain all relevant personnel data in records for a period of at least three years after final acceptance of the work.

At the direction of the supervising department, affidavits and other supporting documentation will be required of the contractor to verify or clarify an employee's actual address when doubt or lack of clarity has arisen.

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Good faith efforts on the part of the contractor to provide utilization of actual eligible Chicago residents shall not suffice to replace the actual, verified achievement of the requirements of this section concerning the worker hours performed by actual eligible Chicago residents.

When work is completed, in the event that the City has determined that the contractor failed to ensure the fulfillment of the requirement of this section concerning the worker hours performed by actual eligible Chicago residents or has failed to report in the manner as indicated above, the City will thereby be damaged in the failure to provide the benefit of demonstrable employment to Chicagoans to the degree stipulated in this section. Therefore, in such a case of non-compliance it is agreed that 1/20 of 1 percent (.05%), 0.0005, of the approved contract value for this contract shall be surrendered by the contractor to the City in payment for each percentage of shortfall toward the stipulated residency requirement. Failure to report the residency of employees entirely and correctly shall result in the surrender of the entire liquidated damages as if no Chicago residents were employed in either of the categories. The willful falsification of statements and the certification of payroll date may subject the contractor or subcontractors or employee to prosecution.

Nothing herein provided shall be construed to be a limitation upon the "Notice of Requirements for Affirmative Action to Ensure Equal Employment Opportunity, Executive Order 11246" and "Standard Federal Equal Employment Opportunity, Executive Order 11246," or other affirmative action required for equal opportunity under the provisions of this contract.

3. Employment of Illinois Laborers on Public Works Projects

Contractor must use only Illinois laborers in the performance of this Contract to the extent (1) required by the Employment of Illinois Laborers on Public Works Projects Act, 30 ILCS, 570/0.01, as amended from time to time and (2) otherwise permitted by law.

H. Working hours in city contracts

Eight hours constitutes a legal day's work under this Contract, in accordance with § 2-92-220 of the Municipal Code of Chicago.

IX. PERMITS AND LICENSES

A. Contractor Obtains Permits

Except for the three types specified below, you must obtain all permits wherever the Work under this Contract requires them, including from the City of Chicago or other public authorities. You must furnish triplicate copies of the permits to the City before the Work covered by them is started. NO WORK IS ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

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The City will obtain permits required from the Metropolitan Water Reclamation District of Greater Chicago, the Illinois Division of Waterways and the U.S. Army Corps of Engineers.

B. Contractor Pays Permit Fees

The special use of, or removal, alteration or replacement of certain City-owned facilities and appurtenances such as traffic signs, parking meters, trees, sewers, hydrants, bridges and viaducts which are required for you to perform your Work are subject to all applicable Municipal Ordinances. It is your responsibility to obtain all the necessary permits and pay the associated fees. You must furnish copies of the permits to the City before the Work covered is started. Information with regard to the above may be obtained by contacting the appropriate City Departments.

C. Occupancy Placard and Fees

You must provide an occupancy placard indicating occupancy and floor plans based upon key plans provided by the Architect. It is your responsibility to pay all fees and expenses related to providing the occupancy placard.

X. COORDINATION WITH OTHER CITY DEPARTMENTS

A. Water System Work and Usage

If water from a City hydrant is necessary for the execution of the Work, you must obtain a hydrant permit from the City's Department of Water Management. You must obtain a permit from that department also for any construction, repair or adjustment of any water main, branch or service connection. Requests for permits must be made at the **Department of Water Management, City Hall, 121 North LaSalle Street, Room 906, Chicago, Illinois 60602; 312/744-7060.**

B. Sewer System Work

If you will be constructing, repairing, adjusting or cleaning any subsurface structure designed to collect or transport storm and/or sanitary waste water, either in private property or in the public way you, through a licensed drainlayer, must obtain a permit issued under this Section X.B. (A licensed drainlayer is a person possessing a current sewer and drain license issued by the Department of Water Management.) Requests for permits must be made at the **Department of Water Management (Sewers and Drains), 333 S. State Street, Room 410, Chicago, IL 60604-3971; 312/747-8117.**

Project plans must be submitted to the Department of Water Management (Sewers and Drains) sufficiently in advance for examination and review. Plans meeting the department's requirements must be submitted with the application for permit at least four days before the issuance of permit. When applying for a permit, you must submit three sets of plans that show all new underground sewer Work inside and around the project with a clear site or location plan together with the estimate of quantities for sewer sizes and sewer structures to be installed.

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A copy of the permit must be on the Work site before the start of construction. Failure to obtain a permit before the start of construction will result in a penalty and could result in the revocation of the drainlayer's license.

You must arrange for sewer inspections at least 48 hours before the start of Work. Inspections may be requested by calling **(312)744-7501 for Plumbing Inspections and (312) 747-7892 for Mason Inspections.**

C. Parking Meter Removal and Replacement

The City via the metered parking concessionaire shall close or remove and opened or reinstall any parking meters, including signs indicating pay boxes, as may be required. However, you must pay all fees and lost meter revenues required by § 9-68-050 of the Chicago Municipal Code. You must advise the Department of Transportation, Bureau of Inspections, Construction Compliance Section (Public Way Permits), Room 804, City Hall, Chicago, Illinois 60602, in writing at least two weeks in advance of the closure citing the location and meter number of the meters to be closed or removed. Closures of less than 6 hours on a given day and limited to less than 10 business days are strongly encouraged, and you must be prepared to detail any reason requiring closures of a longer hourly and daily duration.

You may not remove any parking meters without the express written consent of the Commissioner. If you violate this provision, you (a) recognize that the City will suffer damages as a result, including the costs incurred by the City in tracking, retrieving, and repairing damage to the parking meters, and (b) will be liable for liquidated damages in the amount of \$350 for each single-space parking meter or \$10,000 for each pay box you removed. All amounts, including any other debts, will be deducted from any amounts due or that may become due you.

Notification must be provided immediately once meters can be opened or reinstalled. That notification must be e-mailed to the Department of Revenue at parking-meter-closure@cityofchicago.org. Please include "REOPEN/REINSTALL" in the subject line and provide details concerning permit numbers, locations, and dates that the meters may be opened or reinstalled.

The City of Chicago Department of Transportation and the Department of Revenue may modify these requirements in the future.

D. Traffic and Parking Sign Removal and Replacement

The City will remove and re-install any traffic and parking sign(s) as may be required, however, you will be responsible for all fees relative to the removal and replacement of all of the City's traffic and parking signs. You must inform the Bureau of Signs and Markings, in writing, of the location of each sign to be removed and specify its distance from the property line of the nearest cross street. Each sign legend must also be stated. This information must be provided at least five days before removal. You must also inform the Bureau of Signs and Markings, in writing, of when signs may be reinstalled as soon as this date is known. Contact the **Bureau of Signs and Markings, 3458 S. Lawndale, Chicago, Illinois, 60623, Attn.: Deputy Commissioner, (312)747-2210.**

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E. Trees

In accordance with § 10-32-060 *et seq.* of the Municipal Code, you must obtain a permit from the Bureau of Forestry when removing planting, trimming, spraying, or in any way affecting the general health or structure of trees in the public way. There is no fee for this permit. The permit must be obtained from the **Bureau of Forestry Permits Division; 3200 S. Kedzie, Chicago, Illinois 60623; (312/747-2098), fax (312) 747-2178.**

The Bureau of Forestry requires 48 hours' notice before starting Work for all activities with the exception of tree planting, which requires two weeks' prior notice. To obtain tree planting permits, two copies of the site plan must be presented to the Bureau for its review and approval. A Bureau representative must also assist in the selection of those trees to be planted in the public way. Tree planting standards and specifications are outlined in the Bureau of Forestry's "Manual of Tree Planting Standards," which is available upon request from the Bureau of Forestry.

F. Demolition

If demolition of a structure or removal of an underground storage tank is required during construction, you must obtain a permit and pay the required fee as set forth in the Municipal Code and its amendments to date. The permit must be obtained from the Department of Construction and Permits, City Hall, 121 North LaSalle Street, Room 900, Chicago, Illinois 60602; (312/744-3400).

XI. SCHEDULE

A. Time

1. The date for commencement of the Work is the date set forth in the Contract or such other date as may be established at the discretion of the Commissioner in a Notice to Proceed. Within five calendar days after the award and release of the Contract, you must provide the Commissioner, a schedule for the performance of the Work, which complies in all respects with the Contract, within the Contract Time. The schedule may be used as a means of determining the progress of your performance of the Work, but neither the provision of the schedule to the City, nor the City's acceptance or use of the schedule, acts in any way to relieve you of any of your obligations under the Contract.
2. Progress and Completion. **TIME IS OF THE ESSENCE IN THIS CONTRACT.** No time extensions will be allowed unless they are contained in a Contract Modification that has been approved and executed by the City. Liquidated damages will be assessed against you for late completion of the Work and failure to achieve any milestone dates that provide for liquidated damages set forth in the Contract. You must not suspend any Work that may be subject to damage by climatic conditions without the Commissioner's prior written approval. Notwithstanding any other terms contained in this Contract, you must take measures to protect the Work and to minimize the impact of such conditions on the progress of the Work.

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B. Progress Schedule

1. You must begin performance of the Work and to prosecute it with all due diligence, so as to complete the entire Work under this Contract within the Contract Time stipulated, after the date of commencement of Work, as specified in the written Notice to Proceed to you. The date for the commencement of Work is not counted as a day, but each day after that, from midnight to midnight, is counted as one day and the last day counted is the date of Final Acceptance and Completion of the Work. You must, when necessary, use overtime, multiple shifts, weekend and/or holiday work to maintain the approved schedule at no additional cost to the City.
2. Except when otherwise specified by the Commissioner, you must provide the progress schedule ("Schedule") for the Work using the Critical Path Method ("CPM") as described in Section XI.D, "Critical Path Method Schedule," below.
3. The Commissioner's approval of your Schedule is done for the sole purpose of insuring that all CPM scheduling documents you prepare are in conformance with the Contract requirements. This approval does not relieve you of the responsibility for the means, methods, procedures and sequence of the construction process nor does it entitle you to additional funds for completing Work in a period that is less than the Contract Time.
4. Daily Progress Reports: You and all Subcontractors must prepare and submit to the Commissioner daily progress reports on the various parts of the Work, including in the report the number of workers and the classification of the trades involved, equipment used and any pertinent information regarding possible delays in the Work.

C. Construction Operations Plan

1. You must, within 14 days after Notice to Proceed, submit to the Commissioner for review the order of procedure you propose to follow in performing the Work. Work begins only after your proposed order of procedure in performing the Work and the Schedule have been submitted to and consented upon by the Commissioner, in writing. You understand that a reasonable amount of time is required by the Commissioner for the examination of the procedure and Schedule. As Work progresses, changes or modifications in the procedure and Schedule, may be required by the Commissioner. In that event, upon notice from the Commissioner to you, further Work is performed only in accordance with the changed or modified procedure and Schedule as have been submitted to and consented upon, by the Commissioner, in writing.
2. The Commissioner, in his/her sole discretion, may reject or require modification of any proposed or previously approved order of procedure, that he or she considers to be unsafe for the Work under this Contract, or for other Work being carried on in the vicinity, or for other structures, or for the public, or for workmen, engineers and inspectors employed thereon, or that will not provide for the completion of the Work within the period of time specified in the Schedule, or that is contrary to any other requirement of this Contract.
3. The City's acceptance or approval of any order or procedure or equipment that you submitted or employ does not in any manner relieve you of responsibility for the performance of the Work, or for the safety of the performance of the Work under this Contract, or from any liability whatsoever on account of any procedure employed by you, or due to any failure or movement of any structure or equipment furnished by it.

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Notwithstanding any approval by the Commissioner, should any structure or equipment installed under this Contract afterwards prove insufficient in strength or fail in any manner whatsoever, the insufficiency or failure in no way forms the basis of any claim for extra compensation for delay, or for damages or expenses caused by the insufficiency or failure, or for an extension of time for completion of the Work, or for material, labor or equipment required for repairing or rebuilding the structure or equipment, or for repairing or replacing any other Work that may have been damaged by the movement or insufficiency or failure of any such structure or equipment, respectively.

D. Critical Path Method ("CPM") Schedule

- 1.** You must format the Schedule to show the proposed starting and completion date for the various stages of the Work, including any float time, and must prepare it in such a way that it can be used to plot actual progress against proposed progress. You must update the Schedule and submit it to the Commissioner no less than monthly or as directed by the Commissioner. The Commissioner may request more frequent Submittals. Monthly payment will be withheld for failure to submit updated Schedules. One copy of the Schedule must be submitted to the Commissioner in a reproducible format. A copy of the Schedule must be submitted on a computer diskette in a format acceptable to the Commissioner.
- 2.** You must assure that the Schedule includes, at a minimum:
 - a. Project name, Contract number, Contractor's name, data date and plot date on each separate sheet. If multiple diagrams are prepared, each must, in addition to the above, include a descriptive title of that portion of the Work included in them.
 - b. The order and interdependency of activities, indicating the sequence in which you plan to perform the Work; the Schedule must describe and indicate the critical path; and
 - c. Estimates of man hours and/or crew sizes for each activity.
 - d. The dates for:
 - (1) starting and completing the various stages of the Work, including milestones identified by the City in the Contract;
 - (2) placing material orders, fabrication and delivery of materials and equipment;
 - (3) preparation, submittal and approval of all required submittals to the City;
 - (4) procuring material and equipment furnished by the City;
 - (5) interface activities performed by other contractors or Subcontractors upon which your Schedule depends;
 - (6) all Work activities and field construction operations;
 - (7) equipment installation, testing and balancing.
- 3.** For purposes of the Schedule, "activity" means each logically separate part of the Work defined by an observable start and an observable finish, subject to the following:
 - a. To establish the scope of an activity for Schedule purposes, you must form a single activity from the largest grouping of related operations that permit a continuous and

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measurable flow of Work;

- b. The scope of an activity must be small enough to permit a reasonable appraisal of its status or as directed by the Commissioner;
 - c. Each activity on the Schedule must be manpower loaded;
 - d. The activities must be defined so that the average activity has a value of approximately \$25,000, with no activity exceeding \$200,000 without the consent of the Commissioner; and
 - e. Activities of other contractors or companies that must be completed before the start of your Work or portion of Work must be included in the Schedule as milestones and identified with a designation approved by the Commissioner.
4. You must furnish the following information on the Schedule for each activity:
- a. Activity numbers assigned to the related portions of Work in the format of the project specification division and section numbers. You must submit the activity numbers to the Commissioner for review and approval;
 - b. A description of the activity that is sufficiently detailed to permit an evaluation of your performance of the Work described;
 - c. Duration of the activity in days, unless otherwise noted;
 - d. Responsibility code for each activity that is not performed by you, indicating which Subcontractor, supplier, fabricator, or other contractor is to perform the activity;
 - e. Each activity must be identified with early/late start, early/late finish, and total float;
 - f. A breakdown by monthly node of dollar amount and percentage of Contract Price.
5. In addition to the above, any activity whose start or finish dates has been specified elsewhere in the Contract must be shown as the specified dates in the Schedule.
6. The following information must be furnished on the Schedule as summary items:
- a. The projected total percentage complete, on a monthly basis;
 - b. Anticipated total partial payments, on a monthly basis, including Subcontractor payment breakdown; and
 - c. The projected total manpower requirements, on a weekly basis.
 - d. Within 14 days after receipt of the detailed Schedule and supporting documents, the Commissioner will either approve the Schedule or reject it with written comments. If the Schedule is rejected, you must submit a revised Schedule within seven calendar days of the date of rejection. The Commissioner's decision to reject the Schedule is final and you may not dispute it under Article XIX of the Contract.
 - e. You must provide prompt written notice to the Commissioner of any events or other changes that may delay or accelerate the Schedule.
 - f. If you fail to provide the Schedule within the time prescribed and/or updates within the stated time frames, it is an event of default under the Contract, and the Commissioner

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may, in addition to any other remedies available to the City, withhold monthly partial payments until such time as you submit the required information.

7. Changes to the Schedule

- a. If you propose to make any changes to the Schedule, you must provide the Commissioner notice of the proposed changes, in writing, stating the reasons for the change, identifying each changed activity (including durations and interrelationships between activities) and providing a diskette of the proposed changed Schedule.
- b. The originally approved Schedule will be the Baseline Schedule. The Commissioner, in his sole discretion, may approve or disapprove the proposed change in the Schedule to the extent that the change does not extend the Contract Time. He will provide a decision in writing to you within 10 days of receipt of your submission. All monthly updates must be plotted against the current revision of the Baseline Schedule.
- c. If the Commissioner approves the change to the CPM Schedule you must submit a revised Schedule incorporating the change(s) within 10 days after approval along with a written description of the change(s) to the Schedule.
- d. Any proposed change that would result in an extension of Contract Time requires a written modification of the Contract pursuant to Section XIII.B, "Modifications," of the Contract.

8. Updating. The originally approved CPM will be designated as the Baseline Schedule and will only be changed based on a Contract Modification that extends the Contract duration.

- a. All updates will be plotted against the Baseline Schedule. You must update the CPM Schedule on a monthly basis coincident with the submission of the pay estimate. The updated information must include the Baseline Schedule detail and the following additional information for each activity:
 - (1) Actual start dates;
 - (2) Actual finish dates;
 - (3) Actual activity percent complete;
 - (4) Remaining duration of activities in progress; and
 - (5) Critical activities must be identified or highlighted.
- b. The updated information must include the Baseline Schedule detail and the following additional information for each summary item:
 - (1) Actual monthly and total-to-date Work percentage complete.
 - (2) Actual monthly partial payments, including Subcontractor partial payments; and
 - (3) Actual weekly and total-to-date manpower utilization.
- c. The City may withhold partial payments if you do not submit updates as required.

9. Neither an update nor Schedule change may, in itself, extend the term of this Contract. The term of the Contract may only be extended by a written Contract Modification executed pursuant to Section XXIII.B, "Modifications," of the Contract.

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- 10. Narrative Report.** As part of the CPM Schedule update, you must prepare a written narrative report, highlighting the progress during the past update period. This written report must include the following information:
- a. Summary of Work accomplished during the past update period;
 - b. Contract milestone comparison chart;
 - c. Analysis of critical path(s);
 - d. Analysis of time lost/gained during the update period;
 - e. Identification of problem areas; and
 - f. Recommended solutions to current problems.
- 11.** You are required to attend a monthly CPM Schedule review meeting where the Schedule will be reviewed with the Commissioner. The purpose of this meeting is to review past progress, current status, problem areas and future progress. Your narrative report is reviewed at this meeting. Your representatives attending this meeting must have the authority to commit manpower and/or other resources to correct any negative impact to the Schedule. Any possible means of shortening the Schedule at no additional cost will be brought to the attention of the Commissioner. The Updated Progress Schedule will be used as a guide for verifying estimates of work completed for which payment is requested, and must accurately represent the project's current status. None of the information provided in this Section constitutes a request for a time extension.

E. Recovery Schedule

- 1.** You must maintain an adequate work force and the necessary materials, supplies and equipment to meet the current approved Schedule. If you, in the sole opinion of the Commissioner, are failing to meet the approved Schedule, including any Contract milestones, you must submit a recovery Schedule (the "CPM Recovery Schedule"). The CPM Recovery Schedule sets forth a plan to eliminate the schedule slippage (negative float). The plan must be specific and show the methods to achieve the recovery of time, e.g., increasing manpower, working overtime, weekend work, employing multiple shifts. You must bear all costs associated with implementing the CPM Recovery Schedule.
- 2.** Upon receipt of the CPM Recovery Schedule, the Commissioner will review it for conformance with the Contract and degree of detail. The Commissioner, within 14 days after receipt of the CPM Recovery Schedule and supporting documents will approve it or reject it with written comments. If the detailed CPM Recovery Schedule is rejected, you must submit a revised CPM Recovery Schedule within seven calendar days after the date of rejection. The Commissioner's decision to reject the CPM Recovery Schedule is final and you may not dispute it.
- 3.** If you refuse to follow the direction of the Commissioner, the Commissioner reserves the right after seven days written notice to you, to procure the materials, equipment and labor to proceed with or to complete the Work or any portion of it and charge the cost to you. The Commissioner's rights under this provision are cumulative to rights under any other provisions of the Contract including the City's rights to terminate for default or to early termination.

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F. Time for Completing Punch List

1. TIME IS OF THE ESSENCE IN CLOSING OUT THE WORK, and you must begin work immediately after receipt of a list of minor miscellaneous or finishing work known as "Punch List Work." Your failure or that of your Subcontractors to begin the Punch List work within three days of receipt of the Punch List is an event of default.
2. You must diligently prosecute the Punch List work once begun and complete it within 30 days from receipt of the Punch List. If you fail to complete Punch List work within the 30 day time period, you must pay the liquidated damages set forth for "Punch List Work" in Book 2.
3. If liquidated damages are assessed, they will be added to the previously determined liquidated damages assessed as of the Substantial Completion Date or the City's beneficial occupancy of the Project, whichever occurs earlier. The City's takeover of the Project under Section XX.C.3.b., however, does not constitute beneficial occupancy for purposes of liquidated damages.

G. No Damages for Delay; Extensions of Time

1. Should you be delayed in starting, prosecuting or completing the Work by any act of the City, including a delay, change, addition, deletion or modification in the Work or any omission, neglect or default of the City, or by order of the City, or anyone employed by or acting on behalf of the City, or by any cause beyond your control, none of which are due to any fault, neglect, act or omission on your part, then your relief is limited to an extension of the Contract Time that is no greater than the duration of any such delay. The extension of time releases and discharges the City, its employees, officials, agents and representatives from all claims for damages of whatever character, including any claims you may make on account of disruption, changes in sequence, interference, inefficiency, direct or indirect cost or any other causes of delay.
2. You must notify the Commissioner in writing of the cause within five calendar days after the delay begins. Consideration of a time extension for events beyond your reasonable control will be made if the delay directly impacts the Schedule for completion of the Work. Events considered to be beyond your reasonable control are limited to acts of God, acts of the public enemy, fires, floods, earthquakes, epidemics, quarantine restrictions, labor strikes at the job site, freight embargoes, or weather significantly more severe than the norm, but only if the listed causes were not foreseeable and did not result from your fault or negligence and only if you took reasonable precautions to prevent delays owing to such causes.
3. Unless otherwise provided in the Contract, the Contract Time is based on normal weather conditions. An extension is granted for weather significantly more severe than the norm only if you demonstrate to the satisfaction of the City that any delay in the progress of the Work was due to such weather. The basis used to define normal weather will be the "normal" data as compiled by the United States Department of Commerce, National Oceanic and Atmospheric Administration in their most current report entitled "Local Climatological Data, Annual Summary with Comparative Data" for the month for which the time extension is sought. The effects of weather less severe than the norm may be taken into account in considering your requests for time extensions for the effects of more severe weather.

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4. No extension of time will be granted under this Section for any delay if you, by your action or inaction, including your fault or negligence or that of your Subcontractors, caused the delay, or for which any remedies are provided under any other provision of the Contract.
5. The grant of an extension of time pursuant to this Section XI.G, "No Damages for Delay and Extension of Time," in no way constitutes a waiver by the City of any rights or remedies existing under this Contract, at law or in equity.
6. You must submit in writing any claim for extension of time to the Commissioner not more than five days after the delay begins, otherwise the claim is waived. Any claim for extension of time must (i) state the cause of the delay; (ii) specifically demonstrate the impact of the delay on the Schedule; and (iii) state the number of extension days requested. If the cause of the delay is continuing, only one claim is necessary, but you must report, in writing, the cessation of the cause for the delay within 10 days after the termination. Any claim for extension of time that does not comply with this provision constitutes a waiver by you of your rights to any such extension.
7. After receipt of a timely and properly completed request for a time extension, the City may (i) grant a time extension for the entire length of the delay; (ii) grant a time extension for a portion of the extent of the delay; or (iii) deny the time extension.
8. If you do not agree with the City's decision on a claim for time extension, you may appeal the ruling to the Chief Procurement Officer under Article XIX, "Claims and Disputes," but only if you have complied with the notice requirements provided in these Terms and Conditions for Construction and the time extension request exceeds five calendar days or the liquidated damages exceed \$10,000. The Commissioner's decision is final whenever the time extension request is for a duration of less than five days or the liquidated damages are less than \$10,000.

H. Suspension of Work

The Commissioner has authority to suspend the Work wholly, or in part, for such period of time as the Commissioner may deem necessary due to conditions unfavorable for the satisfactory prosecution of the work, or to conditions that, in the Commissioner's opinion, warrant the action or for such time as is necessary by reason of failure on your part to carry out orders given or to perform any or all provisions of the Contract. No additional compensation will be paid to you because of any costs caused by the suspension when the suspension is ordered for reasons resulting from any action or omission on your part or is related to utility adjustments, railroad work, work by other contractors on or near the Work covered by the Contract, or unforeseeable weather conditions.

I. Liquidated Damages

1. If the Work is delayed, you are liable for liquidated damages for every day you fail to achieve the Contract Completion Date (or any milestone completion date that provides for liquidated damages), but only if the delay is not the result of an excusable cause permitted under Section XI.G.2, "No Damages for Delay and Extensions of Time." The specific amount of liquidated damages for which you are liable is set forth in Book 2 of this Contract.

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2. The City will recover liquidated damages by deducting the amount thereof out of any moneys due or that may become due you. If the moneys are insufficient to cover the damages, then you or your surety must pay the amount due. Nothing contained in this Section is to be construed as limiting the right of the City to recover from you all amounts due or to become due, and all costs and expenses sustained by the City for improper performance under this Contract, repudiation of the Contract, failure to begin work on the date of commencement, or failure to perform the Work with adequate forces, equipment or materials or other resources, or breaches in any other respect, including defective workmanship or materials. In addition to liquidated damages for failure to meet any milestones, you are liable to the City for any other damages sustained as the result of your refusal or failure to perform the Work.
3. If the City permits you to continue to perform Work despite your failure to meet any milestone date set forth in the Contract, the action in no way constitutes a waiver by the City of any rights or remedies that exist under this Contract, at law, or in equity.

XII. MEETINGS

A. Pre-Construction Meeting

Before beginning Work, the Commissioner may conduct a Pre-Construction meeting. Your representatives and Subcontractors must attend. The purpose of the meeting is to establish lines of authority and communication and the identification of duties and responsibilities of the organizations. Discussion will cover specific contract plans, specifications, unusual conditions, schedules of completion, and other features of the Contract. The Commissioner may conduct additional coordination meetings at his discretion.

B. Weekly Review Meetings

The Commissioner may conduct weekly review meetings. At a minimum, your project manager and superintendent must attend. However, you must arrange for Subcontractors to attend the meetings if expressly requested by the Commissioner. The meetings may include the following:

1. Review of Work progress since the previous weekly review meeting;
2. Discussion of field observations, problems and decisions;
3. Review of off-site fabrication problems and other problems affecting in the Contract Time;
4. Review of equipment deliveries;
5. Discussion of corrective measures and procedures to achieve the CPM Schedule;
6. Review of submittal schedules and effect on the CPM Schedule;
7. Review of proposed Contract changes and effect on the construction schedule;
8. Coordination requirements;
9. Clarifications and decisions required of the Commissioner;
10. Review of your forces on the Work; and

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11. Review of Project Record Document status and content.

C. Monthly Review Meetings

The Commissioner may conduct monthly review meetings. At a minimum, your project manager and superintendent must attend. However, you must arrange for Subcontractors to attend the meetings if expressly requested by the Commissioner. The meetings may include the following:

1. Review of Work progress since the previous monthly review meeting;
2. Discussion of field observations, problems and decisions;
3. Review of off-site fabrication problems and other problems affecting the CPM Schedule;
4. Review of equipment deliveries;
5. Discussion of corrective measures and procedures to achieve completion in the Contract Time;
6. Review of submittal schedules and effect on the CPM Schedule;
7. Review of proposed Contract changes and effect on the Schedule;
8. Coordination requirements;
9. Clarifications and decisions required of the Commissioner;
10. Review of your forces on the Work; and
11. Review of Project Record Document status and content.

XIII. PAYMENTS

A. Contract Price

The "Contract Price" is the total dollar amount of your bid accepted by the City, including approved change orders. It includes all labor, equipment, materials, permits, licenses, fees, and taxes necessary to perform the Work. In the case of a lump sum Contract Price or lump sum line item, you must provide the Commissioner with a breakdown that includes a schedule of costs for the various parts of the Work included in the lump sum. The total of these costs must equal the lump sum Contract Price or lump sum line items, as applicable.

The breakdown must be submitted in such form and detail, and supported as to correctness by such data, as the Commissioner may direct. The City will make no payment to you until you have submitted the breakdown and the Schedule required by Article XI, "Schedule," and the Commissioner has approved them. The breakdown may be used for verifying monthly progress payments upon substantiation of the costs detailed and the progress of the Work.

For unit price line items, measurement and payment is as specified in the Detailed Specifications.

B. Procedure for Monthly Payment Requests and Final Payment

1. You and the City will agree upon a payment schedule of at least once per month, or more frequently if appropriate or if specified elsewhere in the Contract. The Commissioner will

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process payment requests pursuant to that agreement if your payment requests, in the Commissioner's sole judgment, are acceptable in form and content, and if the Work for which payment is being requested has been completed according to the terms and conditions of this Contract. All payment requests are subject to correction by the Commissioner.

2. In cases where you proceed to perform and complete the Work properly under the Contract, progress payments will be processed on a monthly basis unless the amount earned is greater than \$1,000,000, then payments may be made twice a month. The payment period ends on the monthly anniversary date of the Notice to Proceed.
3. Each monthly payment request must include one original and two copies of the following:
 - a. Certified Statement. You must submit certified statement(s) (signed by an authorized individual and notarized) for each payment request; the statement, in the form acceptable to the Commissioner, must list the following for you and for each Subcontractor and supplier for the period for which payment is requested:
 - (1) the name and business address of the particular Subcontractor or supplier;
 - (2) description of the work performed and/or product supplied;
 - (3) indication of whether the Subcontractor or supplier is an MBE, WBE, or a non-certified firm.
 - (4) the total amount of the particular subcontract;
 - (5) the amount previously paid to the Subcontractor and the dates paid;
 - (6) the amount of the monthly pay request you will pay to each individual Subcontractor and/or supplier from payments you receive on the request, and the dates those amounts were invoiced or requested by the Subcontractor or supplier;
 - (7) the balance remaining under the subcontract to complete the Work.
 - b. Partial Waivers of Lien to Date and Affidavit for Payment. Following your first payment request, you must submit Partial Waivers of Lien from all Subcontractors and suppliers that performed services and provided supplies during the month before your previous payment request. The Partial Waivers of Lien must be in a form acceptable to the City and must identify, at a minimum, the payment request number and time period covered. The Partial Waiver of Lien must be in dollar amount equal to the dollar amount of the services performed or supplies provided by the Subcontractor or supplier during the relevant time period. With every payment request, you must also submit an Affidavit for Payment from all Subcontractors and suppliers for whose services or supplies you request payment. The Affidavit for payment must be in a form acceptable to the Commissioner and identify, at a minimum, the payment estimate number, the time period covered, and the total amount invoiced by the Subcontractor or supplier, and the total amount paid to the Subcontractor or supplier to date.
 - c. Status Report of MBE/WBE Subcontract Payments. A status report of MBE/WBE Subcontractor payments, as required by the Contract documents, must be submitted with each monthly invoice in the form required by the City; and
 - d. Certified Payrolls. You and all Subcontractors working on the job site must submit three copies of certified payrolls for the payment period to the Commissioner every

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week until all Work is completed. All payrolls must be identified with Contractor or Subcontractor's name, as appropriate, Contract name and be sequentially numbered. If there are periods of no Work by you or a Subcontractor, you must submit a payroll labeled "NO WORK." The final payroll must be clearly labeled "FINAL". Certified payrolls are required to assure EEO compliance as well as wage compliance. Race, worker classification, and gender must be clearly marked for each employee on the certified payroll along with all additional information required by the Chief Procurement Officer. An employee's address should appear every time his or her name appears on the payroll. You must submit the certified payrolls and additional information regarding EEO and wage compliance by providing a Payroll Summary Report in the form required by the Chief Procurement Officer. You and each Subcontractor must submit the EEO report forms required by the City and U.S. Department of Labor reflecting fully the periods of Work covered by the partial payment request. When directed, contractor shall be required to submit payrolls electronically using the City certified payroll reporting system.

- e. You must declare subcontractor payments with each invoice submitted to the City. You are required also to inform subcontractor each time you submit an invoice to the City that includes work for which you have been billed by the subcontractor. The Subcontractor Payment Certification Form can be downloaded from the City's website at www.cityofchicago.org/finance/subcontractorform. The information from this form will be recorded in the City's financial system and posted on the City website.

C. Payment for Stored Material

1. Whether stored on- or off-the job site, the risk of loss for stored material will remain with you, and you must insure the stored materials against the risk of loss, theft or damage until its installment in the Work.
2. Payment for material stored on the job site will be 100% of a valid invoice. No payment will be made for materials stored off the job site unless otherwise authorized by the Commissioner in accordance with Section XIII.C.3. If Materials stored on the job site cannot be incorporated in the finished Work within a reasonable period of time you may include them in the monthly progress payment, but only if the following documents are submitted with the request for payment:
 - a. Paid invoices showing the cost of material or equipment;
 - b. Waiver of lien from the supplier indicating that the cost of the material or equipment was paid; and
 - c. Inspection tickets showing that material or equipment had been inspected and accepted by the City.
3. Payment for material stored off-site, if authorized, will be 100% of a valid invoice when you have provided the Commissioner with the documents and assurances listed and complied with the requirements below:
 - a. A paid invoice from the supplier showing the unit, quantity, description of the material or equipment and costs;
 - b. A waiver of lien from the supplier for the total amount of the material purchased;

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- c. Inspection for all of the material stored;
- d. A certified statement giving the exact location of the materials or equipment, stating that:
 - (1) you have inspected all of the material stored and that it is complete and in good condition;
 - (2) the materials are suitably stored and maintained at a bonded, secure and environmentally appropriate location that the Commissioner has agreed upon and subject to the conditions required or established by him;
 - (3) you have complied with procedures satisfactory to the Commissioner to establish the City's title to the materials or otherwise protect the City's interest in them, including, insurance, storage and transportation to the Project site for the materials stored off-site, as the Commissioner may reasonably require;
 - (4) the materials, equipment and associated fabricated components will not be diverted away from the Project;
 - (5) a certificate of insurance coverage for the stored material upon which payment is requested;
- e. Immediately upon receipt of payment for the material, you must prepare and execute all documents required to transfer title to the City, including, any Uniform Commercial Code documentation necessary to perfect transfer of title; and
- f. All material and Work covered by payments will thereupon become the sole property of the City, subject to your obligation to insure it until Acceptance of the Work.

D. Retainage

- 1. Pursuant to § 2-92-250 of the Municipal Code, no retainage shall be withheld by the City. As a matter of prompt payment to subcontractors as required by Section XIII.E, Contractor must not withhold retainage from subcontractors in any form, including but not limited to administrative fees.

E. Prompt Payment to Subcontractors

- 1. Payment Within Seven Days. The Contractor must make payment to its Subcontractors **within 7 days** of receipt of payment from the City for each invoice.

Provided the Subcontractor's performance has met the terms of the Contract Documents, and that Subcontractor has submitted its request for payment to the Contractor with such documentation as is reasonably necessary to substantiate such performance, the Contractor shall bill the City for such performance when the Contractor is first authorized under the payment schedule of the Contract to submit an invoice to the City for such performance. Contractor may only invoice the City at the rates contained in the Contract Documents.

- 2. Liquidated Damages for Failure to Promptly Pay. Much of the City's economic vitality derives from the success of its small businesses. The failure by contractors to pay their

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subcontractors in a timely manner, therefore, is clearly detrimental to the City. Inasmuch as the actual damages to the City due to such failure are uncertain in amount and difficult to prove, Contractor and City agree that the Chief Procurement Officer may assess liquidated damages against contractors who fail to meet their prompt payment requirements. Such liquidated damages shall be assessed to compensate the City for any and all damage incurred due to the failure of the Contractor to promptly pay its subcontractors, and does not constitute a penalty. Any and all such liquidated damages collected by the City shall be used to improve the administration and outreach efforts of the City's Small Business Program.

3. Reporting Failures to Promptly Pay. The City posts payments to prime contractors on the web at

<http://webapps.cityofchicago.org/VCSearchWeb/org/cityofchicago/vcsearch/controller/payments/begin.do?agencyId=city>.

If the Contractor, without reasonable cause, fails to make any payment to its Subcontractors and material suppliers **within 7 days** after receipt of payment under a City contract, the Contractor shall pay to its Subcontractors and material suppliers, in addition to the payment due them, interest in the amount of 2% per month, calculated from the expiration of the 7-day period until fully paid.

In the event that a Contractor fails to make payment to a Subcontractor within the 7-day period required above, the Subcontractor may notify the City by submitting a report form that may be downloaded from the DPS website at:

http://www.cityofchicago.org/content/dam/city/depts/dps/ContractAdministration/StandardFormsAgreements/Failure_to_Promptly_Pay_Fillable_Form_3_2013.pdf

The report will require the Subcontractor to affirm that (a) its invoice to the Contractor was included in the payment request submitted by the contractor to the City and (b) Subcontractor has not, at the time of the report, received payment from the contractor for that invoice. The report must reference the payment (voucher) number posted online by the City in the notice of the payment to the contractor.

Subcontractors are hereby reminded that per Chapters 1-21, "False Statements," and 1-22, "False Claims," of the Municipal Code of Chicago, making false statements or claims to the City are violations of law and subject to a range of penalties including fines and debarment.

4. Action by the City. Upon receipt of an electronic report of a failure to pay, the City will issue notice to the contractor, and provide the contractor with an opportunity to demonstrate reasonable cause for failing to make payment within applicable period set forth in the Contract. The Chief Procurement Officer, in his or her sole judgment, shall determine whether any cause for nonpayment provided by a contractor is reasonable. In the event that the contractor fails to demonstrate reasonable cause for failure to make payment, the City shall notify the contractor that it will assess liquidated damages. Any such liquidated damages will be assessed according to the following schedule:

First Unexcused Report:	\$50

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Second Unexcused Report:	\$100
Third Unexcused Report:	\$250
Fourth Unexcused Report:	\$500
Fifth and Each Succeeding Unexcused Report:	\$1,000

The liquidated damages set forth above shall be assessed per unexcused report per contract, i.e., each successive report regarding a contractor's failure to pay under this Contract will be assessed liquidated damages, regardless of which subcontractor files the unexcused report(s).

By executing this Agreement, Contractor acknowledges and agrees that the City may collect such damages by deducting any amount due to the City from the next payment to be made to the Contractor. In the event that no further payments are due to Contractor, Contractor agrees to promptly pay such liquidated damages as it may owe to the City. Failure to make such payment within thirty (30) days of receipt of notice of the assessment of liquidated damages may result in Contractor being debarred from participating in City contracts for a period of not less than one year.

Contractors are reminded that each unexcused failure to pay promptly is an event of default under the Contract and, in addition to the liquidated damages provided for in this Section, is subject to the remedies found in Section XX.C of this Contract. Contractors are further reminded that per Section 2-92-270 of the Municipal Code of Chicago, failure to pay subcontractors as required by law and the Contract may result in the City suspending payments to Contractor and making direct payments to such subcontractors. Any such direct payments shall be from funds due and owing to the contractor.

5. Whistleblower Protection. Contractor shall not take any retaliatory action against any subcontractor for reporting non-payment pursuant to this Section E. Any such retaliatory action is an event of default under this Contract and is subject to the remedies set forth in Section XX.C hereof, including termination. In addition to those remedies, any retaliatory action by a contractor may result in a contractor being deemed non-responsible for future City contracts or, if, in the sole judgment of the Chief Procurement Officer, such retaliatory action is egregious, the Chief Procurement Officer may initiate debarment proceedings against the contractor. Any such debarment shall be for a period of not less than one year.

6. If the Chief Procurement Officer determines that the circumstances pertaining to a contractor's failure to pay promptly warrant excusing such non-performance, or determines that excusing such non-performance is in the best interests of the City, the Chief Procurement Officer may waive any of the remedies provided in this Section E. Each such waiver is discrete, non-precedential and does not constitute a waiver of any subsequent remedies against a contractor who fails to comply with the terms and conditions set forth herein.

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F. Payments Withheld

1. The Commissioner may decline a request for payment if, in the Commissioner's sole opinion, the request for payment is not adequately supported. If you and the Commissioner cannot agree on a revised amount, the Commissioner must process the payment in the amount he deems appropriate.
2. The Commissioner may decline to process any payment or may rescind in whole or in part any approval previously made to the extent that may be necessary in his sole opinion because of any failure to perform any obligation under the Contract, including:
 - a. Failure or refusal to provide the City the required initial schedule for the Work or monthly schedule updates and obtain the City's approval for either or both;
 - b. Your failure to remedy defective Work;
 - c. Your failure to make payments to Subcontractors, or employees, or provide partial waivers of lien;
 - d. Your failure to maintain timely progress of the Work as stated in your schedule, or the City's determination that the Work will not be completed within the Contract Time, or your failure to carry out the Work in accordance with the Contract;
 - e. Failure to follow the City, State, Federal, or Contract safety and security requirements;
 - f. Failure to maintain insurance policies as required by the Contract and/or to provide to the Commissioner each evidence of insurance coverage, in the form of current certificates of insurance, as he or she may require;
 - g. Failure to comply with other requirements as referenced in the Contract;
 - h. Failure to provide certified payrolls or other documents required under Section XI.G, "No Damages for Delay and Extensions of Time."
 - i. Failure to provide material inspections as required by the Contract; and
 - j. Failure to provide contract deliverables such as, accurate Record Drawings, warranties, guarantees, manuals, etc.
3. Pursuant to § 2-92-270 of the Municipal Code, the Chief Procurement Officer may, in his sole discretion, direct that no further payments be made, or vouchers or estimates issued to you, if he determines that you have failed to pay any Subcontractor, employee or worker for Work performed under this Contract. Failure to submit "Status Report of MBE/WBE Subcontract Payment" or "Certified Statement" as required under Section XIII.B. may result in a determination that you have failed to pay your Subcontractor(s). The City may withhold payment until you demonstrate, to the satisfaction of the Chief Procurement Officer, that payments to the Subcontractors, employees or workers have been made in full.

If the Chief Procurement Officer gives you notice under Section XXIII.H that no further vouchers or estimates will be issued or payments made on the Contract until the Subcontractors, workers, and employees have been paid, and you neglect or refuse for a period of 10 days or more after notice was given to pay those Subcontractors, workers or employees, the Chief Procurement Officer may apply any money due, or that may become due, under the Contract to the payment of those Subcontractors, workers or employees

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without further notice to you and the effect will be the same, for purposes of payment to you of the Contract Price, as if the City had paid you directly.

The failure of the City, however, to retain and apply any money, or of the Chief Procurement Officer to order or direct that no vouchers or estimates be issued or further payments made, will not, nor will the paying over of the reserved percentage without the Subcontractor, workers, or employees being first paid, in any way affect your liability or that of your sureties to the City, or to any such Subcontractor, worker or employee upon any bond given in connection with this Contract.

4. Debts; Outstanding Parking Violation Complaints

In accordance with § 2-92-380 of the Municipal Code, and as otherwise permitted by law, in addition to any other rights and remedies (including any set-off) available to the City under the Contract or permitted at law or in equity, the City is entitled to set off a portion of the Contract price or compensation due under the Contract, in an amount equal to the amount of the fines and penalties for each outstanding parking violation complaint and the amount of any debt owed by the contracting party to the City. For purposes of this provision, the terms "outstanding parking violation complaints" and "debt" are defined in the Municipal Code as are the conditions under which no set-off will be made.

5. Provisions Relating to Liens

Contractor will notify Subcontractors that no mechanic's lien under the Illinois Mechanics' Lien Act, 770 ILCS 60/23, *et seq.*, will be permitted to arise, be filed, or maintained against public funds, the Project, or any part of it, or any interest in them, or any improvements on them, or against any monies due or to become due to Contractor on account of any work, labor, services, materials, equipment, or other items performed or furnished for or in connection with the Project to the extent permitted by law. Contractor, for itself and its Subcontractors, expressly waives, releases, and relinquishes such liens and all rights to file or maintain such liens; and Contractor further covenants that this waiver of liens and waiver of the rights to file or maintain such liens is an independent covenant.

If any of Subcontractors, employees, officials, agents, or any other person directly or indirectly acting for, through, or on their behalf files or maintains a lien or claim under the Illinois Mechanic's Lien Act, 770 ILCS 60/23, *et seq.*, against public funds or against any monies due or to become due to Contractor on account of any Work, labor, services, materials, equipment, or other items performed or furnished for or in connection with the Project, Contractor must cause such liens and claims to be satisfied, removed, or discharged within 30 days from the date of filing. The City may extend the 30 day period if (i) the City determines that the lien claim cannot be so satisfied, removed, or discharged in such period and (ii) Contractor, in the City's sole determination, is proceeding diligently to cause such liens or claims to be satisfied, removed or discharged. The City has the right, in addition to all other rights and remedies provided under this Contract or by law, to cause such liens or claims to be satisfied, removed, or discharged by any means at Contractor's sole cost, such cost to include reasonable legal fees.

6. The City's rights under this Section XIII.F, "Payments Withheld," are cumulative with any other rights provided for under this Contract. Failure by the City to exercise any such right afforded in this Contract, or at law or in equity, will not constitute a waiver of that right.

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G. Payment for Changes

1. **Payment for Changes.** The amount to be paid by the City for changes (additions, deletions or revisions) in the Work or directions to change the Contract Time, will be made in accordance with Sections XIII.G.1.a through XIII.G.1.f below.
 - a. **Unit Price Basis.** Should the changes in the plans result in an increase or decrease in the quantities of unit priced Work to be performed, you will accept payment as follows:
 - (1) All increases in the Work of the type that appears in the Contract as unit price items will, except as provided in Section XIII.G.1.b., "Proposal Basis," be paid for at the Contract unit bid prices. Decreases in quantities included in the Contract will be deducted from the Contract value at the unit bid prices. No allowances will be made for delays or anticipated profits.
 - (2) Quantities in excess of 125% of the bid quantities, when the total dollar value of the unit price item exceeds 5% of the original Contract bid amount, will be paid for at a negotiated unit price based on costs that are demonstrated by you and agreed to by the Commissioner, subject to the approval of the Chief Procurement Officer. The negotiated unit price can be higher or lower than the Bid Unit Price. Quantities in excess of 125% of the bid quantities, when the total dollar value on any unit price item does not exceed 5% of the total value of the original Contract bid amount, will be paid at the bid unit price.
 - (3) Quantities below 75% of the bid quantities, when the total value of the unit price item exceeds 5% of the Contract Price at the time of bid, will be paid for at a negotiated unit price based on costs which are demonstrated by you and agreed to by the Commissioner, subject to the approval of the Chief Procurement Officer. The negotiated unit price can be higher or lower than the Bid Unit Price. Quantities below 75% of the bid quantities, when the total value on any unit price item does not exceed 5% of the total value of the Contract Price at the time of bid will be paid at the bid unit price.
 - (4) If the Commissioner and you are unable to agree on a negotiated unit price, the Commissioner will determine a unit price, prepare a Contract Modification with the Work so priced, that you will sign. You may, however, timely dispute the amount of the unit price to the Chief Procurement Officer under Article XIX, "Claims and Disputes." This is the only Contract Modification in which the release language required by Section XIV.D., "Contractor's Release," will not be included.
 - b. **Proposal Basis.** If there are no unit prices for the changed Work, the payment may be based upon a price agreed to by the City and you. The proposal submitted will be a starting point for negotiation between the City and you. You must submit any proposal for consideration for changed Work in writing, breaking down the Work to be done into segments of cost as follows:
 - (1) **Labor.** For all hourly wage labor and hourly wage foremen in direct charge of the specific operations, you will receive the prevailing rate of wage for every hour that the labor and foremen are actually engaged in the Work. No additional allowance or payment will be made for general superintendence.

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- (2) You will receive the actual costs paid to, or in behalf of, workers for health and welfare benefits, pension fund benefits or other benefits, when the amounts are required by collective bargaining agreement or other employment contract generally applicable to the classes of labor employed on the Work.
 - (3) An amount not to exceed 30% of XIII.G.1.b.(1) above and an amount not to exceed 10% of XIII.G.1.b.(2) above will also be paid to you.
 - (4) Insurance and Payroll Taxes. Cost for property damage, liability, and worker's compensation insurance premiums, unemployment insurance contributions and social security taxes on the extra Work, to which an amount not to exceed 10% of the cost of these items will be added. You must furnish satisfactory evidence of the rates paid for the insurance and taxes.
 - (5) Materials. For materials accepted by the Commissioner and used as an integral part of finished Work, you will receive the actual costs of the materials delivered on the job site, including transportation charges that you paid (exclusive of machinery rentals as set forth below), as shown by original receipted bills, to which 15% will be added to the first \$10,000.00 and 10% for any amounts over \$10,000.00.
 - (6) Equipment. Number of proposed equipment hours multiplied by the rate as allowed by the latest revision of "Schedule of Average Equipment Ownership Expense With Operating Cost" as issued by IDOT, or in the AED Compilation of Rental Rates if equipment is to be rented, for the period that the machinery and equipment are to be used on the Work, to which no percent will be added. Where machinery and equipment are not listed in these schedules, then the rates will be determined by the Commissioner after reviewing all of your available records or other information concerning the expense of operating that type of equipment.
 - (7) Cost for Increase in Performance and Payment Bond. You will furnish the Commissioner written documentation from the surety of the rate or rates applicable for additional bonding for this Contract. These rates will be applied to all the changes increasing or decreasing the Contract Price. No bonding costs will be allowed for Subcontractors. In the absence of written documentation from the surety, a percentage of the total change, as determined by the Commissioner, will be added or subtracted to cover the increase or decrease of the cost of the bond.
 - (8) When Work is to be performed by a Subcontractor, the proposal may include as administrative costs for you an amount not to exceed 5% of the first \$10,000.00 and 1% of any amount over \$10,000.00 of the total approved costs of the Work. The Subcontractor, however, is not allowed any additional markup if it sublets its Work. The use of a Subcontractor requires the approval of the Chief Procurement Officer. All subcontracted costs must be supported by proposals from the Subcontractors performing the Work. The Subcontractor's proposal must be broken down into its various parts of Work as described in items XIII.G.1.b.(1) through XIII.G.1.b.(8) above, or as required by the Commissioner.
- c. **Time and Material Basis.** If the Commissioner and you cannot agree on a price based on a proposal, the Work will be paid for on a time and material basis. Work that is done on a time and material basis will be paid for as follows:

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- (1) Labor. For all hourly wage labor and hourly wage foremen in direct charge of the specific operations, you will receive the prevailing rate of wage for every hour that the labor and foremen are actually engaged in the Work. No additional allowance or payment will be made for general superintendence.
- (2) You will receive the actual costs paid to, or in behalf of, workers for health and welfare benefits, pension fund benefits or other benefits, when the amounts are required by collective bargaining agreement or other employment contract generally applicable to the classes of labor employed on the Work.
- (3) An amount not to exceed 30% of XIII.G.1.c.(1) above and an amount not to exceed 10% of XIII.G.1.c.(2) above will also be paid to you.
- (4) No payment will be made for labor performed on a time and material basis until you have furnished the Commissioner with itemized statements of the labor cost as follows.
 - (a) Name, classification, date, daily hours, total hours, rate, and extension for each laborer and foreman.
 - (b) Certified payrolls or certified copies of them, pertinent to the Work for which payment is requested. The payroll records will contain the name, address and social security number of each employee, the employees correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid. The time and material bills will be audited and corrected against the certified payrolls. Falsification of the certified payroll is an offense punishable by law.
- (5) Insurance and Payroll Tax. For property damage, liability, and workers compensation insurance premiums, unemployment insurance contributions and social security taxes on the time and material Work, you will receive the actual costs, to which 10% will be added. No payment will be made for insurance and payroll taxes until you have furnished satisfactory evidence of the rate or rates paid for the insurance and tax.
- (6) Materials. For materials accepted by the Commissioner and used as an integral part of finished Work, you will receive the actual costs of the materials delivered on the job site, including transportation charges paid by him (exclusive of machinery rentals as set forth below), as shown by original receipted bills, to which 15% will be added to the first \$10,000.00 and 10% for any amounts over \$10,000.00.
- (7) You will be reimbursed for any materials used in the construction of the Work, such as sheeting, falsework, form lumber, burlap, or other materials for curing, etc., that are not integral part of the finished Work. The amount of reimbursement will be agreed upon in writing before the Work is begun and no percent will be added. The salvage value of the materials will be taken into consideration in the reimbursement agreed upon.
- (8) No payment will be made for material cost until you have furnished itemized statements of the material costs, which must include:

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- (a) Quantities of materials, prices, and extension;
 - (b) Material transportation costs supported by receipted invoices; and
 - (c) Receipted invoices for all materials used. However, if materials used on the time and material Work are not specifically purchased for the Work but are taken from your stock, then in lieu of the invoices, you will furnish an affidavit certifying that the materials were from your stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to you. The price quoted for the material must be reasonable and acceptable as per the normal industry practice.
- (9) Equipment. You will be paid for all machinery and equipment (other than small tools as currently defined by the Illinois Department of Transportation) used on the Work in accordance with the latest revision of "Schedule of Average Annual Equipment Ownership Expense with Operating Cost," as issued by the Illinois Department of Transportation, for the period that the machinery and equipment are in use on the Work, to which no percent will be added. Where machinery and equipment are not listed in this schedule, the rates will be determined by the Commissioner after reviewing all your available records or other information concerning the expense of operating that type of equipment. Where idle time for equipment is authorized by the Commissioner, it will be paid at a rate not to exceed 50% of the rates described above.
- (10) When equipment is rented, you will receive actual rental cost as shown by original receipted bills to which 5% will be added.
- (11) No payment will be made for equipment unless designations, dates, daily hours, rental rates, and extensions for each unit of machinery and equipment are shown on the itemized statement of time and material Work.
- (12) Bond. The City will pay you the actual increase in cost of your performance bond. You will furnish from the bonding company written documentation of the rate or rates applicable for additional bonding for this Contract. These rate/rates will be applied to all the changes increasing or decreasing the Contract value. No bonding costs will be allowed for Subcontractors. In the absence of written documentation from the bonding company, a percentage of the total change, as determined by the Commissioner, will be added or subtracted to cover the increase or decrease of the cost of the bond.
- (13) When Work is performed by Subcontractor, you will receive as administrative costs an amount equal to 10% of the first \$10,000 and 5% of any amount over \$10,000 of the total approved costs of the Work. The Subcontractor, however, is not allowed any additional markup if it sublets its Work. The use of a Subcontractor will require the approval of the Chief Procurement Officer. All subcontracted costs must be supported by invoices from the Subcontractors performing the Work. The Subcontractors' invoices must be submitted in the form described in items (1) through (4) above.
- (14) Documentation. For additional Work performed on a time and material basis you will each day submit to the Commissioner detailed and complete records

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of the labor, material, equipment, and other costs relating to any force account Work performed on the day the Work is performed. You and the Commissioner will sign these daily extra Work reports.

(15) **Base Contract Work on a Premium Time Basis.**

(a) For Contract Work performed outside of regularly schedule working hours as defined by the Contract, premium time costs will be paid, only if expressly directed in writing by the Commissioner before you begin the Work. Compensation, when authorized, will cover only the direct cost of the premium portion of the time involved and will be without any charge for insurance. No payment will be made for union fringe benefits on the premium portion of the time unless expressly required by union agreement. Taxes that are attributed to the premium portion of the time will be paid. If you seek to charge taxes, the Commissioner may require you to supply verification that the employees' Social Security Tax, Federal Unemployment Tax, and State Unemployment Tax limits have not been exceeded.

(b) An amount equal to 7% of the sum of the premium portion of the work plus taxes will also be paid to you to cover job site general conditions, overhead, and profit. All indirect costs are considered part of the overhead, including supervision, engineering, and other technical personnel.

(c) If you enter into a subcontract, you will be allowed an additional 2% of the Subcontractor's premium time billing to cover your supervisory and related expense on subcontract operations. The Subcontractor is not allowed the additional 2% if it sublets its Work.

(d) You must keep Daily Work Reports for the premium time hours signed by you and the Commissioner. The reports must indicate the time of day when the Work was performed and wage rate differential that will be charged. Billings must reflect hours reported on Daily Work Reports.

d. **Changes on Lump Sum Contracts or Lump Sum Items in Unit Priced Contracts.** All increases or decreases in the Work that is listed in the approved schedule of values will be priced, for the purpose of any change, based on the amounts stated for the Work in the approved schedule of values.

e. **All invoices for changed work.** You must submit all invoices for changed work within 45 days following completion of the changed work. Failure to provide a complete invoice for the changed work within that period, will authorize the Commissioner, subject to the approval of the Chief Procurement Officer, to determine the final amount for the Contract Modification that may be awarded without your signature.

f. **Miscellaneous.**

(1) For the purposes of this Section, any business entity which employs field labor and performs Contract Work on the job site is defined as a Subcontractor." (This definition excludes suppliers/deliverers of materials.)

(2) When the extra Work involves only supply of material without any field labor at the job site, the supplier, for the purposes of this Section, will be considered a

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“Materials Subcontractor” and the mark up specified in Section XIII.G.1.c (6), “Materials,” will apply.

- (3) Expenses incurred by the City. Upon written request of the Commissioner, you will pay the costs related to the Work that are the responsibility of the City. You will be reimbursed for the actual amount paid out to which will be added a markup as specified in Section XIII.G.1.c above.

2. Change Claims:

- a. If you and Commissioner are unable to agree on the price and/or time extension in connection with a change, you must, within 15 days of completing the changed work, provide written notice to the Commissioner of the amount of money and/or time extension sought by you and the Contractual and factual basis for each. You will designate the document Notice of Claim.
- b. The Commissioner will, within 30 days from receipt of the Notice of Claim, respond by requesting a meeting with you, making a written request for additional information from you, including a general statement of the basis for the claim, the facts underlying the claim, the notice to the Commissioner of the change that gave rise to the claim, reference to the applicable Contract provisions, and all documentation that describes, relates to and supports the claim; taking other action to attempt to resolve the Notice of Claim, and/or advising you in writing that it should file a claim under Article XIX, “Claims and Disputes.” Any steps taken by the Commissioner to resolve the Notice of Claim will not exceed 60 days from receipt of the Notice of Claim unless you agree to an additional amount of time in writing.
- c. If the Notice of Claim cannot be resolved as provided for in Section XIII.G.2, you must follow the requirements of Sections XIX.B and C, “Claims” and “Disputes.”
- d. If you do not agree with the adjustment for time and/or money proposed by the Commissioner, you must follow the procedures set out by the Contract to file a claim and/or dispute as provided in Article XIX, Failure to follow the procedures set out by the Contract to file a claim and/or dispute as provided in Article XIX, constitutes a waiver of the right to make a claim or file a Dispute to the Chief Procurement Officer. In the event of your waiver, you may file a Dispute under Section XX with the Chief Procurement Officer seeking a final decision as to the adjustment for the changed work.

H. Night, Sunday and Holiday Work

Whenever you are permitted to perform Work at night, or on Sundays or State or Federal holidays, or to vary the period of hours during which any work is carried on each day, you must give written notice to the Commissioner, at least 24 hours in advance, so that proper inspection may be provided. The Work will be done under regulations to be furnished in writing by the Commissioner, and no extra compensation will be allowed therefore.

I. Acceleration

1. If progress falls behind the approved schedule, the Commissioner may direct and authorize you, in writing, to perform premium time work as indicated in TIME OF COMPLETION in the Proposal section of the specifications. No additional compensation

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will be paid for such premium time work and the cost incurred for inspection and testing during the premium time work will be considered as “extra” inspection, and reimbursement will be provided by you as described in Section XV.C, “Materials and Equipment Testing and Inspection.”

2. If conditions are encountered where you are specifically directed and authorized in writing by the Commissioner to perform premium time work, on the original contract, to advance an already established completion date of an event or the project, or project milestone, you will be compensated in accordance with Section XIII.G.c (15).
3. When the premium time Work is performed by approved subcontractor, you will receive a markup as specified in Section XIII.G.c (15) of the Contract.

J. [Intentionally omitted.]

K. Electronic Ordering And Invoices

The Contractor will cooperate in good faith with the City in implementing electronic ordering and invoicing, including but not limited to catalogs, purchase orders, releases, and invoices. Contractor will accept electronic purchase orders and releases upon request of the Chief Procurement Officer. Contractor will provide the City electronic catalogs, copies of invoices and other electronic documents upon request. The electronic ordering and invoice documents will be in a format specified by the City and transmitted by an electronic means specified by the City. Such electronic means may include, but are not limited to, disks, e-mail, EDI, FTP, web sites, and third party electronic services. The Chief Procurement Officer reserves the right to change the document format and/or the means of transmission upon written notice to the Contractor. Contractor will ensure that the essential information, as determined by the Chief Procurement Officer, in the electronic document, corresponds to that information submitted by the Contractor in its paper documents. The electronic documents will be in addition to paper documents required by this Contract, however, by written notice to the Contractor, the Chief Procurement Officer may deem any or all of the electronic ordering and invoice documents the official documents and/or eliminate the requirement for paper ordering and invoice documents.

XIV. CHANGES IN THE WORK

A. City’s Right to Change Work

The Chief Procurement Officer and the Commissioner reserve the right to jointly order, in writing, changes in the Work or the Contract Time without prior notice to your surety. You are obligated to perform in a timely manner the changed Work included in the written notice from the Chief Procurement Officer and Commissioner. These changes may consist of additions, deletions, or other revisions, at the discretion of the City. You must begin the changed work upon receipt of a Field Order, signed by the Commissioner, with the prior written approval of the Chief Procurement Officer, unilaterally directing changes in the Work or Contract Time.

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B. Contractor's Request

Within 14 days of receipt of the written notice from the Commissioner, you must submit to the Commissioner a written request for adjustment to the Contract Price and/or Contract Time for the revised Work.

C. Contract Modification

The final provisions of the Proposed Contract Modification, including the adjustment in the Contract Sum and/or the Contract time, if any, will be incorporated into a written Contract Modification signed by the City and you.

D. Contractor's Release

All Contract Modifications constitute a full release of the City from any liability for any additional compensation or extension of time arising or resulting from the Work performed pursuant to the Contract Modification. By executing a Contract Modification, you accept the compensation and/or time extension provided in it in full accord and satisfaction for that Contract Modification, and you expressly waive, release and relinquish all additional claims and demands relating to or arising out of the matters covered by that Contract Modification, including direct or indirect cost, profit, or damages related to disruptions.

E. Performance of Changed Work

You must promptly proceed with any changes in the Work or Contract Time as directed by a written order of the Commissioner ("Field Order"), in accordance with Section XIV.A., "City's Right to Change Work," with or without any Contract Modification. Your refusal or failure to proceed promptly with the changed Work as directed constitutes an event of default under the Contract. No change to the Work by you as directed by the Commissioner will operate to invalidate the Contract or release your surety.

F. Change Claims and Disputes

If you and Commissioner are unable to agree on the price and/or time extension in connection with a change, the procedures set forth in Article XIX, "Claims and Disputes," will govern.

XV. TESTING & INSPECTION

A. Material, Inspection and Responsibility

The City has the right to inspect all materials, equipment and each part or detail of Work, at any time, to be used in carrying out this Contract. The City does not assume any responsibility for the availability of any materials or equipment required under this Contract. You are responsible for all materials, components and completed Work furnished under this Contract. The City may reject materials, components or completed Work not complying with the terms and provisions of this Contract and you must replace it or them at no additional cost to the City. You must promptly remove any rejected materials or components rejected from the City's premises at no additional cost to the City after you receive notice from the City that the materials or components have been rejected.

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B. Inspection of the Work

1. All materials and equipment and each part or detail of the Work are subject at all times to inspection by the Commissioner or the Commissioner's authorized representatives. You are held strictly to the requirements of the Contract with respect to quality of materials, workmanship and the diligent execution of the Contract. Inspection may include mill, plant, shop and field inspection of any material or equipment furnished and any installation and construction under the Contract. You must allow the Commissioner and his representatives access to all parts of the Work and furnish such information and assistance as may be required to make a complete and detailed inspection.
2. All tests performed by or at the direction of the Commissioner under this Contract are to verify that the materials you are providing meet the Contract requirements. You, at your own expense, may perform or have others perform similar tests for the purpose of maintaining the quality of the material being provided. Payment will not be made for uninspected or unauthorized use of materials incorporated into the Work.
3. You must remove or uncover such portions of the finished Work as the Commissioner may direct before acceptance. After the examination, you must restore the portion of the Work to the standard required by the Contract. If the Work thus exposed or examined proves acceptable, the City will pay the expenses of uncovering, removing and/or replacing the parts as extra work, but if the Work so exposed or examined is unacceptable, you must bear the expense of uncovering, removing and/or replacing of it in accordance with the Contract.
4. Except as may be otherwise specified in other sections of the Contract, the Commissioner will make final inspection of all Work included in the Contract as soon as possible after you notify him that the Work is substantially completed and ready for acceptance. If the Work is not acceptable to the Commissioner at the time of the inspection, he or she will inform you as to the particular defects to be remedied before the Work is accepted as substantially complete.

C. Materials and Equipment Testing and Inspection

1. You must provide the Commissioner sufficient notice of placing orders to permit tests to be completed before the materials are incorporated into the Work. You must afford such facilities as the Commissioner may require for collecting and forwarding Samples and making inspections and test. All Samples must be furnished without charge to the Commissioner. You must not make use of or incorporate into the Work the materials represented by the Samples until tests have been made and the materials have been found to be in accordance with the requirements of the Contract.
2. For materials that are integral parts of machinery or equipment or of parts of equipment that you or your Subcontractor normally stock, you must furnish the original and one copy of certified tests made at the time of production. You will keep the original and the Commissioner will retain the copy.
3. You must assure that the Commissioner has free entry, at all times while Work is being performed, to all parts of the manufacturer's works that concern the manufacture of the material or equipment ordered. The Commissioner must be permitted to examine all components and subassemblies. Assemblies and parts must be numbered for

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identification. You must provide the Commissioner with a detailed production schedule before the first inspection. After review of the schedule, the Commissioner will inform you of the methods, extent of inspection, facilities desired and date of inspection. You will afford the Commissioner without charge, all facilities necessary to determine that the material or equipment furnished are in accordance with the Contract. Test and inspection may be at the place of manufacture before shipment.

4. If for any reason, the City elects not to make the tests, the Commissioner may direct you to make the necessary tests. You must furnish a certification of the ordered tests after completion. The Commissioner reserves the right to inspect and reject all materials or equipment that were previously inspected and accepted at the place of manufacture or source of supply, after they were delivered to the Work site, if the materials or equipment do not meet the requirements of the Contract.
5. When an inspection trip is terminated due to insufficient materials, unacceptable quality, Contractor labor problems, or Contractor equipment problems, you must pay the City its costs for any additional inspection trip.
6. The Contract documents may require you to include the cost of travel and living expenses for a specific number of City employees and/or other persons for a specific test. The manufacturer or you must furnish a certification of the ordered tests after completion. The Commissioner reserves the right to reinspect and reject all materials or equipment that have been previously inspected and accepted at the place of manufacture or source of supply, after they have been delivered to the site if the materials or equipment do not meet the requirements of the Contract.
7. Unless otherwise provided, all materials will be sampled and tested in accordance with the latest published standards and methods of the American Society for Testing and Materials (ASTM) and any revisions of them. If there are no ASTM standards that apply, applicable standard methods of other recognized standardizing agencies will be used. You must provide the name and qualifications of any such standardizing agency to the Commissioner for review and approval.

D. Testing Laboratory Labels

You must submit all equipment containing electrical wiring to the City for acceptance before installation. All electrical components that you furnished and installed or assemble under this Contract must be approved and so labeled by one of the following Testing Laboratories:

1. Underwriters' Laboratories (UL)
2. Canadian Standards Association (CSA)
3. Electrical Testing Laboratory of New York (ETL)
4. Illinois Institute of Technology research Institute (IITRI)
5. American Gas Association (AGA)
6. Factory Mutual Research Corporation (FMRC)
7. Maintenance and Electrical Testing (MET)
8. American Research Lab (ARL)

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Any electrical unit comprised of a number of components, assembled at the factory and considered custom made, must bear one of the above labels for the entire unit as well as for each component.

You must pay all costs in obtaining a testing laboratory label at no additional cost to the City. Any delays in completion of the Work caused by the manufacturer of equipment in obtaining the required testing laboratory labels and the City approval are not grounds for an extension of time beyond the time of completion indicated in the Contract.

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XVI. CONTRACTOR PRACTICES AT SITE

A. Cooperation Among Contractors

You must conduct the Work so as not to interfere with or hinder the progress or completion of the work being performed by other contractors within or adjacent to the Work site. You must assume all liability, financial or otherwise, in connection with this Contract, and must protect and save harmless the City from all damages or claims that may arise because of inconvenience, delay, or loss experienced due to the presence and operations of other contractors working within the limits of the Work. You must assume all responsibility for Work not completed or accepted due to the presence and operations of other contractors. You must coordinate and tie-in, where appropriate, your Work with that of others in an acceptable manner and perform the Work in proper sequence to the work of others. When other contractors cause any damage to the Work that you performed, you must file claims with the other contractors, and not against the City, and you must obtain compensation for damage directly from those other contractors.

B. Protection of Persons and Property

1. **Protection of Existing Structures and Property.** You must avoid causing damage to trees, plant life, sidewalks, curbs, streets, alleys, pavements, utilities, adjoining property, the work of other contractors and the property of the City and others, and must, at your own expense, repair any damage that you or any Subcontractor may cause.

You are responsible for loss or damage by fire or theft of equipment, material, or other property of the City, incurred while the equipment, material or other property is located in any field office or on the site of the Work. Further, you must repair or replace any such equipment, material or other property so lost or damaged, to the satisfaction of the Commissioner, at no additional cost to the City.

You must familiarize yourself with the requirements of local and state laws applicable to underpinning, shoring and other Work affecting adjoining property and, wherever and whenever required by law, site conditions or standard industry practice, you must shore-up, brace, underpin, secure and protect all foundations and other parts of existing structures adjacent to, adjoining and in the vicinity of the Work site that may be in any way affected by the excavations or other operations connected with the Work to be performed under this Contract.

You are responsible for the giving of all required notices to any adjacent or adjoining property owner or other potentially affected party. The notice must be served in sufficient time so as not to delay the progress of the Work under this Contract.

You must take such precautions as are necessary to insure the safety of private property owners, lessees, and their invitees against injury caused as a result of settlement or displacement of structures. You must immediately proceed with all shoring or other Work necessary to restore the private property owner's property to a safe condition. If you fail to undertake the Work within 24 hours after written notice by the Commissioner, the City may proceed to repair or restore any such structure to a safe condition, and the cost of it will be deducted from any compensation due, or that may become due to you.

If, in the prosecution of the Work, it is necessary to excavate or occupy any street, alley, or public grounds of the City, you must erect and maintain such barriers, and, during the

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night time, such lights as will effectively prevent the happening of any accidents or damage to life, limb, or property in consequence of such excavation or occupation of such street, alley, or public grounds. You are liable for all damage occasioned by you, your agents, employees or Subcontractors of any tier in the excavation or occupation of any street, alley, or public grounds, and you must indemnify the City pursuant to Article XVIII, "Insurance, Indemnity and Bonds."

Upon Final Completion and Final Acceptance of the Work, you must remove all machinery, equipment, materials, false work, rubbish or temporary structures and leave the Work site and the premises of any private property owners in as good condition as they were before commencement of Work.

Materials and equipment necessary for the performance of the Work may only be placed, stored or allowed to occupy any space in public streets or alleys upon the written consent of the Commissioner. It is the City's intent that the operations under this Contract are conducted as far as practicable without interference with the public use of streets and alleys. All materials or equipment used in the performance of the Work must be placed so as not to impede traffic on streets and alleys adjacent to the site of the Work, and to allow free access to all fire hydrants, water valves and manholes that are a part of electric, telephone and telegraph conduit lines, fire alarms and police call boxes in the vicinity.

In removing existing pavements, sidewalks, curbs, gutters, walls, foundations, vaults and other structures, the use of any type of impact device in a manner that might damage buildings or their foundations, or other underground structures and utilities is not permitted.

You must indemnify and hold the City harmless from any damage due to settlement or the loss of lateral support of adjacent or adjoining property and from all loss or expense and all damages for which the City may become liable in consequence of the injury or damage to adjacent and adjoining structures and their premises. Your indemnity obligations will survive the expiration or termination of this Contract and include and apply to any liabilities and duties placed upon the City as owner or occupant of the property on which the improvements provided for in this Contract are to be constructed, by the provisions of an Act entitled "An Act to Prescribe the Duty of an Owner or Occupant of Lands Upon Which Excavations are Made in Reference to the Furnishing of Lateral and Subjacent Support to Adjoining Lands and Structures Thereon." See of 765 ILCS 140/0.01 *et seq.*

2. Existing and Proposed Utilities. The Contract may show existing utilities lying within the limits of the Work, such as sewers, manholes, catch basins, gas lines, water lines, telephone and electrical duct lines, CTA facilities, and similar structures. The City does not guarantee the completeness or accuracy of the information regarding utilities, whether public or privately owned. You must make your own investigation to determine the existence, nature and location of all utilities at the Work site. You must verify the exact location of all utilities that may interfere with performance of the Work and must report to the Commissioner any differences from the locations shown on the Contract.

You must so arrange and conduct your Work that utilities may be removed, relocated or supported during excavation and maintained in service until the Work is completed. In addition, you must arrange and conduct your Work that utilities may be replaced, rearranged or relocated before backfill being placed. You must cooperate with the owners of those utilities in the performance of the Work.

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Where existing utilities are abandoned and it is necessary to remove them due to the performance of the Work, you must remove them at no additional cost to the City, and they will become your property.

It is your responsibility to protect those existing utilities that are to remain in operation during and after completion of the Work, and any new utilities installed by others during the performance of the Work. You will be held fully responsible for any damage resulting from your performance of the Work, and will be required to repair, replace or reconstruct any utilities damaged, at your own expense, to the satisfaction of the Commissioner. The protection of the utilities as specified in this Contract must be at no additional cost to the City.

3. **Utilities Outside the Limits of the Work.** You must protect and maintain City-owned water lines, sewers, connections and appurtenances and all City-owned electrical conduits, cables, vaults and appurtenances that are located entirely outside the limits of the Work in a satisfactory manner until the completion of the Work. Whenever in the performance of the Work it is necessary, because of the nature of the Work or because of your method of performing the Work, to support, remove, replace, relocate, rearrange, adjust or repair such City-owned structures located entirely outside of the excavations, you must notify the appropriate City department to perform the Work, and must cooperate with the department in preserving service. You must reimburse the appropriate City department for the cost of performing the Work at no additional cost to the City under the terms of this Contract.
4. **Utility Relocation and Continuance of Service Plan.** You must prepare a Utility Relocation and Continuance of Service Plan, identifying procedures, locations, time frames and affected agencies and private owners. The Plan must be submitted to the Commissioner for review within 14 days after the Notice to Proceed.
5. **Cooperation with Utilities.** You must cooperate with all utility companies involved in connection with the removal, temporary relocation, reconstruction, or abandonment by these agencies of all services or facilities owned or operated by them within the limits of the Work.
6. **Work Performed by Others.** The Work must be performed with a minimum of interference to street traffic in the area. You must coordinate your Work with that of other City contractors, with contractors employed by adjacent property owners, and with contractors employed by any other party or parties for work on utilities to insure the best progress of the Work as a whole.
7. **Preservation and Protection of City Standard Bench Monuments and Survey Controls.** You are responsible for the preservation and protection of all City Standard Bench Monuments, in accordance with the provisions of § 10-4-220 of the Municipal Code and Article 105.09 of the Standard Specifications, and as directed by the Commissioner. Any survey control point that you disturb or remove you must replace or reestablish to the satisfaction of the Commissioner, at no additional cost to the City. **DAMAGE TO ANY OF THE CITY STANDARD BENCH MONUMENTS WILL RESULT IN YOUR BEING PROSECUTED TO THE FULL MEASURE OF THE LAW.** The Department of General Services will pursue the matter of compensation for damages incurred by the City resulting from your actions or your failure to act during the execution of Work on this project.

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8. **Protection of Streets and Traffic.** You must provide all necessary barricades, signs, flags, lights and reflectors. You must assure that vehicular and pedestrian traffic on all streets, including adjacent streets, bridges, overpass structures and ramps is maintained during the performance of the Work in accordance with the requirements of the Contract.
9. **Temporary Restoration of Trench Cuts.** Failure to maintain the temporary restoration of trench cuts, which causes the surrounding work area to be in an impassable and/or hazardous condition thereby creating undue inconvenience and danger to area residents is an event of default under this Contract.
10. **Temporary Barriers, Signs, Lights and Flaggers.** You must furnish, relocate and remove portable barricades and lights, collision protection, temporary signs (including traffic and project signs) and supports as directed by the Commissioner; and furnishing all necessary flaggers and other protection necessary for the maintenance of traffic flow in a safe and orderly fashion, as required by Article 107.14 of the IDOT Standard Specifications, except as otherwise specified in the Contract.

You must maintain, repair or replace all damaged or destroyed appurtenances referenced in the immediately preceding paragraph throughout the life of the Contract. Maintenance includes cleaning of the barricades and traffic signs by means of clean water. Flaggers must be provided whenever circumstances warrant.

The barricades must be erected, moved, repaired and repainted as required. Upon the completion of the Work, all barricades remain your property and must be promptly removed from the Work site.

11. **Historical and Scientific Specimens.** You must preserve and deliver to the Commissioner any specimens of historical or scientific value encountered in the Work, as directed by the Commissioner.

C. Protection of Streets, Alleys and Public Grounds

When excavating or occupying any street, alley or public grounds of the City, you must erect and maintain temporary barriers and, during the night time, lights that will effectively prevent accidents or damage to life, limb or property in consequence of the excavation or occupation of the street, alley or public grounds. You are liable for all damages as a result of the excavation or occupation of any street, alley or public grounds, or by the carelessness of you, your subcontractors, agents, employees or workers and must indemnify and hold harmless the City against all judgments rendered against it by reason thereof.

D. Protection of Existing Trees in the Right of Way

1. In accordance with the provisions of Chapter 10-32 of the Municipal Code you must protect all trees and shrubs at the construction site from damage. You must restore all damaged parkways to their original condition and repair or remove and replace any trees and shrubs damaged as a result of construction activity (as determined by the Department of Streets and Sanitation, Bureau of Forestry) at your expense. If any trees or shrubs damaged by construction activity must be removed and replaced, and trees or shrubs of comparable size, type, and value are unavailable or the time for planting is unsuitable, the City will charge you their appraised value determined as provided under § 10-32-200 of the Municipal Code, which amount the City will deduct from amounts due you, or, if no

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amounts are due, then you must promptly pay the City the amounts determined. Any tree greater than 4" D.B.H. that is permanently damaged due to the construction project and not originally marked for removal must be replaced with a new tree as identified by the Bureau of Forestry and must have a minimum of 4" caliper B&B. Any damaged tree smaller than 4" caliper measured 6" above the ground must be replaced in kind, inch for inch.

2. You must install a **protection barrier or temporary fence** of at least 1.2m (4 feet) in height around each tree to be *protected and preserved*. *The tree protection* must be installed before the actual construction starts and maintained for the duration of the project.

Within this protection zone, you must prevent construction materials from being stored, equipment from being operated and temporary storage buildings or work trailers from being placed.

The protection barrier must be constructed of orange snow fencing securely fastened to fence posts spaced a maximum of **1.5 m (5 feet)** on center. Posts are 1.8m (6 feet) in length with 61 cm (2 feet) set into the ground and 1.2m (4 feet) extending above ground. The fencing must be attached to the post with a minimum of four nylon locking ties evenly spaced at each post.

Dimensions of the **protection barrier** are as follows:

Trees located in Tree Pits: Where trees are located within Tree Pits, the temporary fencing should be installed at a minimum distance of the inside dimension of the Tree Pit opening with one stake at each corner of the opening.

Trees located in Parkways or Boulevards:

Small Trees (<9" D.B.H.): Minimum 1.5m (5 feet) from face of tree along the parkway length. In the dimension bordered by the public sidewalk or curb, the temporary fencing must be the width of the grass parkway with a maximum offset of 30cm (1 foot) from back of curb or edge of sidewalk. In no case must the closure be less than 61cm (2 feet) from the centerline of the tree.

(Example: 6" Tree in a 6' parkway as measured from back of curb to sidewalk. The dimension of the protection fencing would be 1.2m x 3m (4' x 10') with tree in the center). Note: Larger grass parkways (>12') may allow for a ten foot by ten foot (10' x 10'). Thus, the dimension bordered by the sidewalk or curb would not affect fencing distance.

Medium (10"to 15" D.B.H.): Minimum of ten (10) feet from face of tree along the parkway length. In the dimension bordered by the public sidewalk or curb, the fencing must be the width of the grass parkway with a maximum offset of one foot from back of curb or edge of sidewalk. In no case must the closure be less than two feet from the centerline of the tree.

Large (>15" D.B.H.): Minimum of 15 feet from face of tree along the parkway length. In the dimension bordered by the public sidewalk or curb, the fencing must be the width of the grass parkway with a maximum offset of one foot from back of curb or edge of sidewalk. In no case must the closure be less than two feet from the centerline of the tree.

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E. Care of Existing Structures and Property

1. **Property Access Maintenance Plan.** You must prepare a Property Access Maintenance Plan consistent with the requirements of the Contract. The plan must be submitted to the Commissioner for review within 14 days after award of the Contract. You must comply with all applicable Federal, State, and local requirements. You must also comply with the following requirements:
 - a. Maintain vehicle and pedestrian access to properties;
 - b. Maintain pedestrian access on both sides of all streets;
 - c. Provide access walkways to all buildings and businesses;
 - d. Sidewalks must remain open to the maximum extent possible;
 - e. Provide temporary relocation of access, where required;
 - f. Provide advisory and temporary signs for pedestrian and vehicle access changes and reroutings; and
 - g. Coordinate delivery locations and timing.
2. Before doing any Work adjacent to or on the site of any buildings or other structures adjoining or in the line of the Work to be performed under the Contract, you must supply written notice of it to the owner or owners that the Work is to be done, and must cooperate with the owner(s) in the maintaining, removing, relocating, rearranging or adjusting wherever necessary, of all basements of buildings, subsidewalk vaults, tunnels, conduits, wires, poles, pipes, gas mains, cables, steam and street railway tracks and equipment, or other appliances and structures located in any portion of the streets, public areas, highways and easements to be occupied or used during the prosecution of the Work.
3. Wherever in the performance of the Work it is necessary to remove, reconstruct, relocate, rearrange, adjust or repair City-owned sewers, catch basins, manholes, inlets, sewers connections and appurtenances by reason of the fact that the structures and appurtenances pass through or are located within the limits of the Work as shown on the plans, or ordered by the Commissioner you must perform the Work necessary to remove, reconstruct, relocate, rearrange, adjust or repair those structures and appurtenances, unless otherwise noted on the plans.
 - a. The Commissioner will, at his sole discretion, direct you to modify your method of Work to interfere as little as possible with the normal conduct of business in or around the portions of the buildings or structures in use.
 - b. The building or structures may be in full time use and operation and will continue in normal use during performance of the Work. Building facilities, including heating, ventilation, and air conditioning, lighting and plumbing, will not be interrupted in the occupied areas, except as required for making connections to power sources as specified below.
 - c. You will serve written notification to the Commissioner requesting any anticipated interruption in facilities at least two weeks before disruption of services. You must provide any temporary facilities deemed necessary by the Commissioner due to a disruption of services. The Commissioner, in his sole discretion, will determine the

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procedures, times of day and dates you may accomplish the Work and may reject or modify your request.

- d. Storage of all material and/or equipment must be in areas approved by the Commissioner, in a manner to minimize interference with the normal conduct of business in or around the occupied portions of the building and vehicular areas.
4. You must not perform Work on City-owned water mains, connections and appurtenances or on any City-owned electrical conduits, cables, vaults and appurtenances unless the City has abandoned the structure and the Commissioner has authorized the Work or the Work is included in the Contract. But, you must adjust City-owned water manholes and electric manholes that are shown as “to be adjusted” on the plans.
- a. You must protect and maintain in a manner satisfactory to the Commissioner, protect and maintain all City-owned water mains, connections and appurtenances and all City-owned electrical conduits, cables, vaults and appurtenances that are located entirely outside of the neat lines of the excavation as shown on the plans or as ordered by the Commissioner, until the completion of the Work under the Contract. Whenever in the performance of the Work under the Contract it becomes necessary because of the nature of the Work required by the Contract or because of your method of performing the Work, to support, remove, replace, relocate, rearrange, adjust or repair those City-owned structures located entirely outside of the excavations, you must notify the appropriate City Department to perform the Work, and must cooperate with the Department in preserving service in or through them. You must reimburse the appropriate City Department for the cost of performing the Work, and the cost must be included in the various Contract prices.
 - b. Without cost to you the City will support, protect and maintain all City-owned water mains, connections and appurtenances and all City-owned electrical conduits, cables, vaults and appurtenances, any part of which is located inside of the neat lines of the excavations as shown on the plans or ordered by the Commissioner, or it will remove, replace, relocate, rearrange, adjust, or repair them, both inside and outside of the excavations. You, however, must adjust those City-owned water manholes and electric manholes that are shown as “to be adjusted” on the plans. Whenever in the performance of the Work under the Contract it becomes necessary to support, protect, maintain, remove, replace, relocate, rearrange, adjust or repair such City-owned structures any part of which is located inside of the excavations, you must notify the appropriate City department to perform the Work and must cooperate with the department in preserving service in or through them.
 - c. With the exception of the City-owned water mains, connections and appurtenances and the City-owned electric conduits, cables, vaults and appurtenances described above, and with the exception of City-owned structures that are to be removed or otherwise Worked upon as part of the requirements of the Contract, you must support, protect, maintain or relocate and rebuild all poles, trees, shrubbery, fences, sewers, pipes, conduits, cables, wires, manholes, tunnels, buildings, subways and other City-owned structures that pass through and are located within the excavations or that are adjacent to the Work to be constructed under the Contract during the construction and until the completion of the Work under the Contract.

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5. You must notify and cooperate with the owners thereof in maintaining, removing, relocating, rearranging, or adjusting wherever necessary, all basements of buildings, subsidewalk vaults, tunnels, conduits, wires, poles, pipes, gas mains, cables, steam and street railway tracks and equipment or other appliances or structures located in any portion of the streets, public areas, highways and easements that are to be occupied or used during the construction of the Work specified under the Contract.
 - a. Wherever in the performance of the Work specified under the Contract it becomes necessary to remove, replace, rearrange, adjust or repair City-owned sewers, catch basins, manholes, inlets, sewer connections and appurtenances by reason of the fact that the structures and appurtenances pass through or are located within the limits of the excavations as shown on the plans or ordered by the Commissioner, you must perform the Work necessary to remove, replace, relocate, rearrange, adjust or repair the structures and appurtenances. The cost of performing the Work must be included in the Contract price.
 - b. Wherever in the performance of the work specified under the Contract it becomes necessary to support and maintain City-owned sewers, catch basins, manholes, inlets, sewer connections and appurtenances or wherever it becomes necessary as a result of your methods of construction during the Work under the Contract, to remove, replace, relocate, rearrange, adjust, or repair City-owned sewers, catch basins, manholes, inlets, sewer connections and appurtenances (other than those specified in the last preceding paragraph) you must perform the Work necessary to support, maintain, remove, replace, relocate, rearrange, adjust or repair the structures and appurtenances, and you must bear the cost of the Work without any additional compensation for it.
 - c. It is the intention of the specifications that you include in the appropriate Contract Price or prices, all necessary cost and expense of supporting, maintaining, removing, replacing, relocating, rearranging, adjusting or repairing all City-owned appliances and structures (other than City-owned water mains, connection and appurtenances and City-owned electrical conduits, cables, vaults and appurtenances described in Section XVI.E.4.b), encountered in or affected by the Work, and that you must also include in the price or prices all necessary cost and expense of removing structures that have been or will be abandoned by their owners and that are necessary to be removed in order to construct work under the Contract, but you must not include in the price or prices the cost or expense of supporting, maintaining, moving, replacing, relocating, rearranging, adjusting or repairing those appliances or structures that are not owned by the City and are not abandoned by their owners, except as may be otherwise specified below in this Section.
6. You must take all reasonable precautions for the protection of buildings, railroad tracks, street railway tracks and appurtenances, and other appliances and structures not owned by the City.
7. You must determine the methods to be employed, the procedure to be followed, the equipment, plant, falsework, shoring, bracing and other temporary structures and equipment to be used on the Work, subject to the requirements of the Contract and the approval of the Commissioner. Only adequate and safe procedures, methods, structures and equipment must be used.

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8. You must provide drawings and calculations for all equipment, falsework, shoring, bracing and other temporary structures required for the Work, designed, signed and sealed by an Illinois licensed structural engineer. You must submit copies of all such drawings and calculations to the Commissioner for information only.
9. Field Check of Dimensions, Cutting and Patching. Where the Work connects to existing structures or appurtenances, you must take complete field measurements affecting all Work under this Contract and are solely responsible for the proper fit between the Work and existing structures or appurtenances. You must perform all cutting, patching, or fitting of Work that may be required to properly fit together the several parts of the Work and the existing structures or appurtenances.
10. Contractor's Layout of the Work. You are responsible for the correct lay-out and accurate fitting of all parts of the Work. You must furnish at your own expense all labor, materials and other expenses necessary for, or incidental to, the setting and maintaining of lines and grades (exclusive of the Work of establishing the original reference base line and bench marks that will be performed by the City). No separate payment to you for the cost of any of the Work specified in this Contract. The cost is included in the Contract unit or lump sum prices.
11. Salvage of Materials. If and whenever City- owned property such as valves, cast iron manholes, catch basin frames and covers, inlet boxes and grates, or any other appurtenance are to be removed and are not to be reused in the Work, you must securely store them at a suitable place on the job Site for possible use by the City (unless otherwise stipulated). You must take care to prevent damage in your handling of these appurtenances. You must deliver all items identified by the City for reuse to a location designated by the Commissioner and must legally dispose of the remaining items.
12. Wherever basements of buildings, subsidewalk vaults, tunnels, sewers, water, gas, telephone, telegraph, electric or other pipes, conduits, cables, wires, manholes, vaults, steam and street railway tracks or other similar structures and appliances not owned by the City are in or cross the excavations for structures to be built under this Contract, you must notify the owners of the structures and appliances to support, move, rearrange or abandon them, and cooperate with the owners of the structures and appliances in preserving the service or services provided by the structures and appliances, except as may be otherwise specified or provided in the Contract. If you have complied with the above requirements and has been notified by the owners of the structures and appliances that any of them have been abandoned, or lacking such notice, if you have made all investigations and has found that any of the above structures or appliances have been abandoned by their owners and if the removal of any such abandoned structure or appliance is necessary in order to construct the Work, you must remove them at no additional cost to the City.
13. Wherever basements of buildings, subsidewalk vaults, tunnels, sewers, water, gas, telephone, telegraph, electric or other pipes, conduits, cables, wires, manholes, vaults, steam and street railway tracks or other similar structures and appliances are adjacent to, but do not cut through or cross the excavations for structures to be built under the Contract, you must perform the Work in such a manner as to not cause damage to the structures and appliances and not interrupt their use during the progress of the Work.

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14. You must arrange to notify the owners of structures and appliances that are to be supported, maintained, removed, reconstructed, relocated, rearranged, adjusted or repaired by reason of the Work in ample time to permit them to do their work. The Commissioner may direct you to suspend your operations on that part of the Work that affects the structures and appliances until their owners have had time to perform the work.
15. You must conduct the Work so that no equipment, material or debris is placed upon private property unless you have first obtained the owner's written consent thereto and provided this written consent to the Commissioner. You must take such means as may be required to prevent the creation of a public nuisance on any part of the Work site or adjacent streets or property.
16. You must thoroughly clean all streets, pavements, sidewalks and parkways and all private property of all surface materials, earth and rubbish and restore them to as good condition as before the commencement of the Work. Where you have removed or killed sod, you must provide new live sod. Where the areas have been seeded, you must replace top soil equivalent to that removed, fertilize it, seed and roll it to the satisfaction of the owner of the land. You must replace all trees, shrubs and plants damaged in the proper season of the year with live, growing stock of the same kind and variety and of the size ordinarily used for planting purposes.

F. Precautions and Safety

1. You must take any precautions that may be necessary to render all portions of the Work secure in every respect, to decrease the liability of accidents from any cause and to avoid contingencies that are liable to delay the completion of the Work. You must furnish and install, subject to the approval of the Commissioner, all necessary facilities to provide safe means of access to all points where Work is being performed and make all necessary provisions to insure the safety of workers and of engineers and inspectors during the performance of the Work. You are required to conduct your Work so as not to unnecessarily obstruct the activities of other contractors who also may be engaged in work on this or any other project.
2. Although the Commissioner may observe the performance of the Work and reserves the right to give you opinions and suggestions about safety defects and deficiencies, the City is not responsible for any unsafe working conditions. The Commissioner's suggestions on safety, or lack of it, will in no way relieve you of your responsibility for safety on the Work site. You have sole responsibility for safety and the obligation to immediately notify the Commissioner of all accidents.
3. Precautions must be exercised at all times for protection of persons (including employees) and property. The safety provisions of applicable laws and building and construction codes must be observed.
4. You must provide completely equipped first aid kits readily accessible at all times on the Work site. You must designate an appropriately trained individual on each shift to be in charge of first aid.
5. You must provide at appropriate locations fire extinguishers or other fire protection equipment that comply in all respects with the Municipal Code and NFPA standards. You must maintain this equipment in proper operating condition at all times and must cause

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the equipment to be inspected by all appropriate agencies as required by law, but in no event less than monthly. You must comply with the Municipal Code requirements on the use of standpipes, hoses and other fire protection equipment.

6. Only such materials and equipment as are necessary for the construction of the Work under this Contract must be placed, stored or allowed to occupy any such space at the site of the Work. Not more than one day's supply of flammable liquids, including oil, gasoline, paint, or solvent is permitted to be kept on hand at any one time. If gasoline, flammable oils, other highly combustible materials or compressed gas cylinders are to be stored at the site, they must be stored in a secure manner, in compliance with all applicable laws, ordinances and regulations, and all storage places must be clearly marked. The written consent of the Commissioner is required for such storage. That consent in no way limits your liability for the materials.
7. You must prohibit all lighting of fires about the premises and all smoking in restricted areas where posted with "NO SMOKING" signs, and you must diligently enforce this prohibition. You must furnish and post "NO SMOKING" signs. You must not permit any debris or waste materials to be burned at the Work site.

G. Health, Safety and Sanitation

As part of your obligation to observe and comply with all applicable laws, you must observe and comply with all applicable provisions of 29 C.F.R. Part 1926 (Safety and Health Regulations for Construction).

- a. Whenever a Federal OSHA compliance officer arrives at the work site, you must notify the Commissioner immediately via telephone and email.
- b. Within 24 hours of the conclusion of any OSHA inspection, you must report, in writing, all OSHA findings and recommendations that are known to you – including but not limited to any alleged hazards, whether or not already abated – to the Commissioner via email.
- c. If the inspection or any part of the inspection, such as the closing conference, involves a subcontractor and not you, then you must require and ensure that, within 24 hours of the conclusion of the inspection, the subcontractor reports all OSHA findings and recommendations that are known to it – including but not limited to any alleged hazards, whether or not already abated – to you. Within 24 hours of your receipt of any such report, you must provide the report to the Commissioner via email.
- d. Within 24 hours of your or any subcontractor's receiving any citation, hazard alert letter, or other documentation of any kind from OSHA relating to any actual, suspected, reported, alleged, or possible hazard or violation of any kind, you must provide a complete copy of the citation, hazard alert letter, or other documentation to the Commissioner. If you or any subcontractor makes any written response of any kind to OSHA, including but not limited to any abatement certification, then within 24 hours of your or the subcontractor's mailing, emailing, or otherwise submitting the response to OSHA, you must provide a complete copy of the response, including but

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not limited to any supporting documentation submitted to OSHA, to the Commissioner.

- e. If you or any subcontractor are reporting any fatality, hospitalization, or injury of any kind to OSHA, you must immediately notify the Commissioner via telephone and email.
- f. You must maintain, and provide to the Commissioner upon request – and require all subcontractors to maintain, and provide to the Commissioner upon request – (1) all records required to be made or maintained under any applicable OSHA standard, including but not limited to the OSHA 300 log, Safety Data Sheets, and employee training records; and (2) all records generated by you or by any subcontractor relating to any injury, fatality, or near miss at the work site, including but not limited to accident investigation documentation.

You must enforce among your employees such regulations in regard to cleanliness and the disposal of garbage and wastes that are necessary for their health and tend to prevent the inception and spread of contagious and infectious disease among them. You must provide an ample supply of suitable, pure drinking water, and must take such means as the Commissioner may direct to effectively prevent the creation of a nuisance on any part of the Work site or adjacent streets or property. You must construct and maintain necessary sanitary conveniences for the use of the laborers on the Work, properly secluded from public observation, in such manner and at such points as be approved, and their use must be strictly enforced. Whenever manholes have been used for sanitary proposes, they must be thoroughly flushed and cleaned when no longer needed.

The manner of disposing of waste must be such that all waste is disposed of without creating a public nuisance or health hazard and in accordance with Illinois Department of Public Health Circular No. 815, Educational Health Circular No. 4.001, and all Illinois Environmental Protection Agency rules and regulations.

You must also comply with all rules and regulations of the Federal and State governments and the City Department of Public Health.

H. Hazardous Operations and Security

- 1. During construction, all cutting or welding operations must be carried out with all precautions taken to prevent fires resulting from sparks or hot slag. Extreme care must be exercised to determine that sparks or embers do not fall into any combustible materials, even if such material is stored on lower floors. Sheet metal wind screens must be provided around the lead-melting furnaces whether the Work site is enclosed or not. Portable fire extinguishers must be provided at and below all locations where cutting or welding or melting operations are being performed or, if those operations are extensive, a hose from the stand pipe system or fire hydrant must be placed nearby. You must obtain special permission from the Commissioner of Water and pay all associated connection fees.
- 2. No welding, flame cutting, or other operations involving use of flame, arcs, or sparking devices, will be allowed without adequate protection. All combustible or flammable material must be removed from the immediate working area. If removal is impossible,

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flammable or combustible materials must be protected with fire blankets or suitable non-combustible shields to prevent sparks, flames or hot metal from reaching flammable or combustible materials. You must provide necessary personnel and equipment to control incipient fires resulting from welding, flame cutting, or other sources involving use of flame, arcs, or sparking devices.

3. You must immediately report any concentration of gas fumes, and you are responsible for clearing the area and notifying the Commissioner and the appropriate utility company. All operations in the area must be suspended until the source of the fumes has been located and corrected.
4. You must arrange for the installation of necessary fire protection lines and equipment as required by the Chicago Fire Department and as necessary to properly protect the Work site. Permanent fire protection facilities may be used for this purpose as soon as they are installed, tested and approved by the Commissioner for temporary use.
5. Salamander heaters or similar forms of uncontrolled heaters must not be used except with the special written permission of the Commissioner and City fire marshal and then only when each salamander is maintained under constant supervision.
6. Gasoline must be kept in and handled from approved safety cans.
7. All tarpaulins used for any purpose must be made of fire, water and weather-resistant materials.
8. You must furnish such watchmen as may be necessary to protect the public and those who are at or in the vicinity of the Work under this Contract, and to protect all materials, tools, machinery and equipment and all Work you have performed.
9. You must comply with all Federal and State and local occupational health and safety statutes, and any occupational health and safety standards promulgated thereunder; provide reasonable protection to the lives, health and safety of all persons employed under this Contract; furnish to all such persons a place of employment that is free from recognized hazards that are causing or are likely to cause death or serious physical harm; keep all persons employed under this Contract informed of your protections and obligations under the statutes; and provide all persons employed under this Contract with information regarding hazards in the workplace, including information about suitable precautions, relevant symptoms and emergency treatment. The Federal and State occupational health and safety statutes, and the rules and regulations promulgated thereunder, are considered part of this Contract as though fully set forth in this Contract.
10. You must provide safety instructions and training for all workers. You must conduct weekly craft safety meetings (tool-box type) of reasonable length as an effective means of communicating safety issues to workers. Reports containing tool box discussion topics must be signed-off by all attendees and must be submitted to the Commissioner.

I. Services and Use of Site

1. Work Area. After receipt of the Notice to Proceed, you must propose a suitable working area subject to approval by the Commissioner. You must secure the space at your own expense.

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2. Temporary Services and Utilities. If specified in the Contract, you are responsible for arranging for and providing all general services and temporary facilities as specified in the Contract and as required for the proper and expeditious prosecution of the Work. You must pay all costs for those general services and temporary facilities. You must provide temporary connections for water, electricity and heat including installation, maintenance and removal of those facilities. You must pay the cost of all water, telephone, and electricity during the construction period.
- a. Water. You must provide temporary water connections as required for drinking and construction purposes. The Commissioner reserves the right to regulate the use of water and may impose restriction on the use if you are using water carelessly. You must provide water and facilities for obtaining water for sanitary purposes, drinking, mixing concrete and for all other purposes at your expense. You are not permitted to obtain the water from the mains of the Chicago water system, except as may be provided in the Contract. Except with special permission from the Commissioner and the Department of Water, you must not make connections for water to the City's fire hydrants.
 - b. Light and Power. You must furnish the electricity and must furnish and install all wiring, electrical services, lighting units, insulated supports for wiring and all other electrical equipment together with all other incidental and collateral Work necessary for the furnishing of the temporary power and lighting facilities for the Work to be done under this Contract, all at no additional cost to the City. Electrical Work must be performed by a licensed electrician.
 - c. Temporary Heating During Construction. You must provide temporary closures or enclosures for all exterior door, window, roof or other types of exterior openings as required to provide protection from the elements during construction. It is your responsibility to keep water in pipes from freezing and to maintain temporary heat in areas where Work is being performed at not less than 50° Fahrenheit. Finish Work includes, but is not limited to masonry, plastering painting, millwork and other temperature sensitive Work. The Heating period is from approximately October 1 to May 30 unless conditions warrant otherwise. You must furnish, install, operate and maintain all required temporary heating equipment, and must provide and pay all fuel costs.
3. Temporary Construction Facilities. Unless otherwise specified, you must provide and maintain the following temporary construction facilities throughout the construction period and remove them at the completion of the Work:
- a. Field Offices. Unless otherwise specified in Book 3, you must provide a temporary building or mobile type field office of such size and containing such equipment as you deem necessary to conduct the operations. The field office must be provided with a telephone for your superintendent and a pay telephone for use by others during the entire period of construction. The telephone must be removed promptly upon Final Completion and Acceptance of the Work.
- Unless otherwise specified in Book 3, you must supply a field office for the City's Superintendent consisting of a separate office facility. It must be of adequate size for efficient operations and be furnished with a desk, three chairs, 4-drawer file cabinet

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and a plan table. It must be equipped with electric lighting, heating, ventilating and cooling facilities. You must provide a separate telephone for City Superintendent's use.

You must also provide and maintain in clean condition for Superintendent's use, including toilet facilities, having a water closet and laboratory fixture connected to sanitary sewer and water service. Temporary toilet facilities must be located in the City's Superintendent's trailer and comply with City and State regulations relating to health and sanitation. The toilet facility must be serviced twice weekly and kept stocked with toilet paper, soap, and paper towels.

- b. Toilets. You must provide at least one portable chemical toilet for every 20 workers or fraction of that number at the Work site as soon as construction operations commence. Toilet facilities must be serviced, at a minimum, twice weekly, which includes draining tank and refilling and disinfecting the interior of each toilet unit, and keeping each unit stocked with toilet paper. Toilet facilities must be maintained during the term of the construction period and removed upon completion of the Work.
- c. Stove heaters in temporary offices and sheds must be properly installed to protect combustible walls, floors and roof.
- d. Storage of Materials. If it is necessary to store materials, they must be protected in such a manner as to insure the preservation of their quality and fitness for the work. All stored materials will be inspected at the time of use in the Work even though they may have been inspected and approved before being placed in storage. You may store materials in the areas provided as working areas by the Contract. If no areas are provided, or if the areas provided are insufficient, you must provide the space required at your expense. Upon completion of the Work, you must clean and restore the storage sites and working areas to their original condition at your expense.

All materials and equipment must be received at the Work undamaged. The Commissioner has the right to reject any method of packing and shipping that, in the Commissioner's opinion, will not adequately protect the materials and equipment against damage while they are in transit or storage or that will damage existing structures.

- e. Storage Sheds. You and each Subcontractor must provide suitable watertight storage sheds for your, or their own, use as needed. You and each Subcontractor are responsible for and must pay for any electric services to your or their storage sheds. However, the electrical Work must be performed by a licensed electrical Subcontractor. You are responsible for materials stored in the open; they must be arranged in an orderly manner and properly protected against the elements and damage.
4. Working Space. You must provide working space for your own use and for each of your Subcontractors. It must provide sufficient space for benches, tools, material storage and for such other purposes as may be required to properly perform and expedite the Work. Allocation of such Work areas is subject to approval by the Commissioner. You must maintain all Work areas in a clean and orderly condition and take whatever precautions as may be necessary adjacent to the new Work. You must clean, repair or replace any damage to Work site due to improper protection at no additional cost to the City.

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5. **Equipment and Falsework:** You must determine the methods to be employed, the procedures to be followed, the equipment, plant, falsework, shoring, bracing, and other temporary structures and equipment to be used on the Work, subject to the requirements of the Contract. Only adequate and safe procedures, methods, structures, and equipment must be used. You must furnish and maintain and are solely responsible for all equipment such as temporary ladders, ramps, runways, hoists, scaffolding, and similar items required for proper execution of Work. All such apparatus, equipment and construction must meet the requirements of Federal, State and local laws concerning the safety and protection of employees. No hoist, scaffolding or other equipment must be erected at such location as will interfere with general construction or progress of other trades. Hoists, scaffolding or other equipment must be located at sufficient distance from exterior walls to prevent staining or marring of any permanent Work. All suspended scaffolding and staging must be lowered to ground level at the end of each work day.
6. **Project Signs.** You must erect and maintain signs identifying the Project and indicating City, and to the extent applicable, State and Federal participation. Work under this item includes constructing and erecting project signs of the size and material specified in the Contract drawings. These signs must be erected in locations approved by the Commissioner and must be maintained throughout the term of this Contract. You are responsible for the immediate removal of graffiti. If you are notified of graffiti, you must remove such within 24 hours. The signs must not be removed until you receive such notice from the Commissioner. No separate payment will be made for furnishing, erecting and maintaining the project signs; it is incidental to the Contract.

J. Reports and Plans

1. **Daily Progress Reports.** You and all Subcontractors must prepare and submit to the Commissioner daily progress reports on the various parts of the Work. The report must include the number of workers and the classification of the trades involved, equipment used and any pertinent information regarding possible delays in the Work.
2. **Procedures, Methods and Equipment.** You will determine the methods to be employed, the procedure to be followed, the equipment, plant, falsework, shoring, bracing and other temporary structures and equipment to be used on the Work, subject to the requirements of the Contract. Only adequate and safe procedures, methods, structures and equipment must be used. Any approval, constructive or otherwise, by the Commissioner of such methods, procedures and equipment in no way relieves you of any of your obligations under this Contract.

XVII. ENVIRONMENTAL REQUIREMENTS

A. Compliance with Environmental Laws

1. You must comply with all Environmental Laws including those listed in the Economic Disclosure Statement and Affidavit (EDS), which you must execute and have notarized, and any analogous future local, State or Federal ordinance or statute, rule and regulation promulgated under or under the foregoing, and any other present or future law, ordinance, rule, regulation, permit or permit condition, order, or directive which regulates, relates to, imposes liability for or establishes standards of conduct concerning any Hazardous

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Materials that may be set forth by the Federal government, any state or any political subdivision thereof, or any agency, court or body of the Federal government, any state or any political subdivision thereof exercising executive, legislative, judicial, regulatory or administrative functions.

2. If you are required under any Environmental Laws to file any notice or report of a release or threatened release of Hazardous Materials or Special Wastes on, under, or about any premises you use to perform the Work required under this Contract, you must provide a copy of the report or notice to the City. In the event of a release or threatened release of Hazardous Materials or special waste into the environment, or in the event of any claim, demand, action or notice is made against you regarding your failure or alleged failure to comply with any Environmental Law, you must notify the City pursuant to Section XVIII.C, "Disposal of Waste Materials, Construction Debris, Soils and Waste," below.
3. If you fail to comply with any Environmental Law, the City may terminate this Contract in accordance with the default provisions of this Contract and may adversely affect your eligibility for future contract awards.

B. Environmental Permits

1. You must show evidence of, and keep current throughout the term of this Contract, all waste hauling, special waste hauling, disposal permits and insurance certificates required by Federal, State, City or other local governmental body or agency pursuant to any Environmental Law.
2. When requested by the Chief Procurement Officer, you must submit copies of all hauling permits required by any Environmental Law. Copies of all permits and insurance certificates that require periodic renewal must be forwarded to the Chief Procurement Officer throughout the duration of this Contract. Noncompliance with this requirement may be cause for rejection of the bid and/or termination of this Contract and declaring you non-responsible in future bids.
3. Environmental Records and Reports. You are required to prepare and maintain proper, accurate and complete records of accounts of all transactions related to the performance of this Contract, including:
 - a. Vehicle maintenance records;
 - b. Safety and accident reports;
 - c. IEPA or OSHA manifests;
 - d. Disposal records, including disposal site used, date, truck number and disposal weight, bills of lading, manifests, or other confirmatory receipts signed by a representative of accepting facility for each load of material; and
 - e. Permit documentation and all other documentation and transactions pertaining to all Environmental Laws.

C. Disposal of Materials, Construction Debris, Soil and Waste

1. You are responsible for the proper disposal of all materials, construction debris, soil and other waste. Hauling and disposal by a Subcontractor does not relieve you from

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responsibility for proper disposal. Disposal of all materials, construction debris, soil, and other wastes must be at a disposal site that is properly licensed and permitted to accept the particular materials, construction debris, soil and other wastes delivered to it in accordance with all Environmental Laws. You must identify the disposal site(s) or transfer station(s) to which you have contractual access and for which proper, sanitary landfill permits and/or licenses have been obtained.

2. You must provide the Commissioner or his designated representative with copies of all load tickets, manifests, bills of lading, scale tickets and other pertinent documents. When requested by the Chief Procurement Officer, you must provide copies of all permits and/or licenses for the proposed transfer station and/or landfill. If the transfer station and/or landfill you propose to use does not possess the necessary permits and/or licenses to accept the materials, construction debris, soil or other wastes, you must replace the transfer station and/or landfill submitted as part of their bid proposal at no additional cost to the City. If you dispose of materials, construction debris, soil or other wastes at a site that is not properly permitted, you will be responsible for all costs associated with the removal of the waste to a properly licensed/permitted landfill or disposal site.
3. You must notify the Commissioner, within 24 hours, of receipt of any environmental complaints, fines, citations, violations or notices of violation ("Environmental Claim") by any governmental body or regulatory agency against you by any third party relating to the loading, hauling or disposal of materials, construction debris, soil or other wastes. You must provide evidence to the Commissioner that any such Environmental Claim has been addressed to the satisfaction of its issuer or initiator.
4. You must notify the City of any community meetings, media involvement or media coverage related to the loading, hauling or disposal of materials, construction debris, soil and other wastes under this Contract in which you are asked to participate.
5. You must verify, in writing, whenever requested by the Commissioner, that all materials, construction debris, and other waste you accept from the City have been disposed of in compliance with all Environmental Laws.
6. The form for identifying your debris disposal/handling site(s) and acknowledging terms and conditions relating thereto which you have executed and attached to this Contract is incorporated by reference (the "Form"). In addition to the representations and requirements contained in the Form, you acknowledge that unless otherwise authorized in writing by the Commissioner of Environment, you must not continue to use a disposal/handling site identified in the Form that (i) has been cited as being in violation of any environmental law or regulation or of any City ordinance; or (ii) does not have a necessary permit. If only one site was identified in the Form, you must arrange for a substitute disposal/handling site that meets the requirements specified in the Form and provide a revised Form to the Commissioner of Environment. You further acknowledge that any such substitution is at no additional cost to the City, regardless of the reason necessitating such substitution.

D. Equipment and Environmental Control During Transport

You must haul materials, construction debris, soil and other wastes in vehicles and/or containers complying with all applicable Environmental Laws. All equipment used to transfer

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materials, construction debris, soil and other wastes must be designed to prevent spillage during the hauling operation. Your equipment must fully comply with all City, State and Federal Regulations, laws and ordinances pertaining to size, load weight, safety and any Environmental Law.

E. Environmental Control

In performing the Work, you must become thoroughly familiar with all Federal, State, and local statutes, ordinances, and directives with respect to the elimination of excessive noise and pollution of air, water, and soil due to construction and other operations. Attention must be given to reduce the noise of heavy construction equipment and to the control of dust, smoke, and fumes from construction equipment and other operations on the Work site, and the dirt and noise created by heavy truck operations over City streets in accordance with ordinances of the City and orders of the Commissioner. The discharge of Hazardous Materials into waterways and City sewers is not permitted.

F. Open Dumping Prohibited

The removal of all recyclable material and garbage, refuse or other waste material, including broken concrete, bricks, rock, paving asphalt and incidental debris generated from all construction or demolition activities performed under this Contract, must be transported to a facility that is zoned and permitted to accept the material under Chapter 11-4 of the Municipal Code and all applicable local, State, and Federal regulations.

You must retain bills of lading, manifests, or other confirmatory receipts signed by a representative of accepting facility for each load of material and make them available to the City upon request

G. Environmental Protection

You must comply with, and must cause your Subcontractors to comply with, all Federal environmental and resource conservation laws and regulations, whether existing or promulgated later, as they apply to this Contract. You must include these provisions in all subcontracts. Some, but not all, of the major Federal laws that may affect this Contract include the National Environmental Policy Act of 1969, as amended, 42 USC §§ 4321 *et seq.*; the Clean Air Act, as amended, 42 USC §§ 7401 *et seq.* and scattered sections of 29 USC; the Clean Water Act, as amended, scattered sections of 33 USC and 12 USC; the Resource Conservation and Recovery Act, as amended, 42 USC §§ 6901 *et seq.*; and the Comprehensive Environmental Response, Compensation, and Liability Act, as amended, 42 USC §§ 9601 *et seq.*. You and your Subcontractors must also comply with U.S. DOT statutory requirements on environmental matters at 49 USC § 5324(b); Council on Environmental Quality regulations on compliance with the National Environmental Policy Act of 1969, as amended, 40 CFR Part 1500 *et seq.*; and U.S. DOT regulations, "Environmental Impact and Related Procedures," 23 CFR Part 771 and 49 CFR Part 622.

1. Air Quality. You must comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 USC §§ 7401 *et seq.* Specifically, you must comply with applicable requirements of U.S. EPA regulations, "Conformity to State of Federal Implementation Plans of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 USC or the Federal Transit Act," 40 CFR

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Part 51, Subpart T; and "Determining Conformity of Federal Actions to State or Federal Implementation Plans," 40 CFR Part 93; and National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR § 61.145. You further must report and require each Subcontractor at any tier to report any violation of these requirements resulting from any Contract implementation activity to the City and the appropriate U.S. EPA Regional Office.

2. Clean Water. You must comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 USC §§ 1251 *et seq.* You further must report and require each Subcontractor at any tier to report any violation of these requirements resulting from any Contract implementation activity to the City and the appropriate U.S. EPA Regional Office.
3. List of Violating Facilities. You acknowledge that any facility to be used in the performance of the Contract or to benefit from the Contract must not be listed on the U.S. EPA List of Violating Facilities ("List"), and you must promptly notify the City if you receive any communication from the U.S. EPA that such a facility is under consideration for inclusion on the List.
4. Preference for Recycled Products. To the extent practicable and economically feasible and to the extent that it does not reduce or impair the quality of the Work, you must use recycled products in performance of the Contract pursuant to U.S. Environment Protection Agency (U.S. EPA) guidelines at 40 CFR Parts 247-253, which implement section 6002 of the Resource Conservation and Recovery Act, as amended, 42 USC § 6962.

H. Clean Diesel Fleet: Emissions Reduction (MCC 2-92-595) (where applicable)

If this Contract is for construction, demolition, restoration, repair, renovation, environmental remediation or environmental abatement of any building, structure, tunnel, excavation, roadway, bridge, transit station or parcel of land and the estimated value of this Contract is \$2,000,000 or more:

Contractor must comply with the Clean Diesel Contracting Ordinance, MCC Section 2-92-595.

2. Contractor and any Subcontractor(s) must utilize Ultra Low Sulfur Diesel Fuel (ULSD) for any heavy-duty diesel-powered vehicle, non-road vehicle or non-road equipment used in the performance of the Contract.
3. Contractor and any Subcontractor(s) must minimize idling of motor vehicles and non-road vehicles used in the performance of the Contract during periods of inactivity, and must comply with the anti-idling requirements imposed by any applicable federal, state, or local law.
4. Contractor and any Subcontractor(s), may not use any of the following vehicles and equipment in the performance of the contract:
 - (i) any heavy-duty diesel vehicle not meeting or exceeding the US EPA's emission standards for heavy-duty diesel vehicles for the 1998 engine model year, unless such vehicle is fitted with a verified diesel emission control retrofit device; or

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- (ii) any non-road vehicle or non-road equipment not meeting or exceeding the US EPA's Tier 1 Non-road Diesel Standards, unless such vehicle or equipment is fitted with a verified diesel emission control retrofit device.
5. Any heavy-duty diesel vehicles, non-road vehicles and non-road equipment used in the performance of this Contract must incorporate such engine or retrofit technology so that the Contractor, through such engine or retrofit technology used directly by the Contractor and all subcontractors, shall have a minimum of 3.0 clean fleet score per a reporting period, as calculated by using the methodology described in MCC subsection 2-92-595(c)(5). Contractor may exclude from the calculation of the clean fleet score up to fifty percent of all of the heavy-duty diesel vehicles, non-road vehicles and non-road equipment used in the performance of the contract during a reporting period that are owned or leased by any firm that the CPO has granted a clean fleet score annual waiver certificate pursuant to MCC subsection 2-92-595 (f). However, pursuant to MCC subsection 2-92-595(b)(6), if this contract is advertised after January 1, 2020, the minimum clean fleet score is increased to 4.0, and Contractor may exclude from the calculation up to only twenty five percent of vehicles owned or leased by a firm that has received a clean fleet score waiver certificate instead of fifty percent.
6. The City may conduct an audit of the Contractor or inspect any vehicle or equipment used in the performance of the Contract to ensure compliance with the requirements specified above. In the event that Contractor or any Subcontractor fails to utilize ULSD or fails to minimize idling or comply with antiidling requirements, Contractor will be subject to liquidated damages of \$5,000 per day for each violation and each day of noncompliance will be a separate violation; provided, however, the damages will not exceed \$50,000 for any one vehicle or piece of equipment, as specified in MCC Section 2-92-595(e). Such liquidated damages are imposed not as a penalty but as an estimate of the damages that the City will sustain from delay in completion of the project and inspection and other enforcement costs, as well as the resultant damages to the public health of its citizens, which damages by their nature are not capable of precise proof. The City is authorized to withhold and deduct from monies otherwise payable to the contractor the amount of liquidated damages due to the City.
7. Contractor understands that pursuant to MCC subsection 2-92-595(e)(6), any person knowingly making a false statement of material fact to any City department with respect to compliance with the contract provisions specified in MCC subsection 2-92-595(e) Chicago may be fined not less than \$1,000 or more than \$5,000 for each statement.

XVIII. INSURANCE, INDEMNITY AND BONDS

A. Indemnity

1. You must protect, defend, indemnify, and hold the City, its officers, officials, representatives, and employees (collectively the "Indemnitees"), harmless from and against any and all claims, damages, demands, injury or death, in consequence of granting this Contract or arising out of or being in any way connected with your performance under this Contract except for matters shown by final judgment to have been

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caused by or attributable to the negligence of Indemnitees. This indemnification obligation is effective to the maximum extent permitted by applicable law. This indemnity extends to all legal costs, including attorney fees, costs, liens, judgments, settlements, penalties, professional fees, and other expenses incurred by the City, including fines and penalties imposed by public bodies, and the reasonable settlement of such claims. This indemnification obligation is not limited by any amount of insurance required under this Contract. Further, the indemnification obligation contained in this section will survive the expiration or termination of this Contract.

2. You will be solely responsible for the defense of any and all claims, demands, or suits against Indemnitees, including claims by your employees, subcontractors, agents, or servants even though the claimant may allege that the Indemnitees were in charge of the Work or alleged negligence on the part of Indemnitees. The City will have the right, at its sole option, to participate in the defense of any such suit, without relieving you of your obligations under this section.
3. "Injury" or "damage" as these words are used in this section will be construed to include injury or damage consequent upon the failure of or use or misuse by you, your Subcontractors, agents, servants, or employees, of any scaffolding, hoist cranes, stays, ladders, supports, rigging, blocking or any and all other kinds of items of equipment, whether or not they are owned, furnished, or loaned by the Indemnitees.
4. You will promptly provide, or cause to be provided, to the Commissioner and City Corporation Counsel copies of all notices that you may receive of any claims, actions, or suits that may be given or filed in connection with your performance or the performance of any Subcontractor and for which the Indemnitees are entitled to indemnification under this Contract and to give the Indemnitees authority, information and assistance for the defense of any claim or action.

B. Contribution

To the extent permissible by law, you waive any limits on your liability that you would otherwise have by virtue of the Worker's Compensation Act or any other related law or judicial decision (such as *Kotecki v. Cyclops Welding Corporation*, 146 Ill. 2d 155 (1991)). The City, however, does not waive any limitations it may have on its liability under the Worker's Compensation Act, the Illinois Pension Code or any other statute.

C. Admiralty

In addition, you waive the right to receive the benefits of or to invoke the protection afforded by all maritime statutory limitations of liability, including the Limitation of Vessel Owner's Liability Act, 48 U.S.C. § 183 *et seq.*, that could act to diminish your liability for any harm or damage arising from your performance of your obligations under the Contract in any manner or for all claims or other costs arising from or occasioned by your operations on any waterways, including Lake Michigan and the Chicago River. This provision is not intended to avoid or waive Federal jurisdiction under the applicable admiralty laws. This waiver extends only to the Indemnitees, and not to third parties seeking recovery for claims solely against you.

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1. Without limiting your waiver, you specifically consent to pay all sums in respect of any claims against the Indemnitees and other costs suffered by the Indemnitees arising from or occasioned by your operations in or on waterways, including the following:
 - a. Loss or damage to any other ship, vessel or boat caused proximately or otherwise by your vessel, or loss of the cargo or the other ship, vessel or boat;
 - b. Loss of life or personal injury, or for any cost of life salvage;
 - c. Loss or damage to any harbor, dock, building, graving or otherwise, slipway, pontoon, pier, quay, tunnel, jetty, stage, buoy, cables of any kind, or other fixed or movable object or property whatsoever;
 - d. The cost of the removal, raising or destruction of the wreck of any vessel you employ in performing your obligations under the Contract;
 - e. If a vessel is disabled or otherwise, the cost of towage or other salvage of any vessel you employ in performing your obligations under the Contract;
 - f. Loss or damage to the bottom, banks, or shoreline of the waterway.

D. Performance and Payment Bonds

You must, before award of the Contract, deliver to the Chief Procurement Officer a performance and payment bond in the amount set forth in Book 2. Any performance bond that you provide must comply with the provisions of 30 ILCS 550/1 *et seq.*, as amended, and of § 2-92-030 of the Municipal Code, as amended. It must also be in the form of the performance and payment bond form included in Book 2. The surety or sureties issuing the bond must be acceptable to the Comptroller and must have a Best's Key Rating Guide of "B+," Class XI or greater and be listed in the most recently published "Listing of Approved Sureties" of the U.S. Department of the Treasury Circular 570, with underwriting limitations in excess of the Contract Price. The bond must cover the warranty period required by the Contract.

In case of your neglect, failure, or refusal to provide satisfactory sureties when so directed within 10 days after such notification, pursuant to § 2-92-040 of the Municipal Code the Chief Procurement Officer may declare this Contract forfeit, but such forfeiture will not release you or your surety or sureties from any liability that may have accrued before the date of the forfeiture.

If at any time the surety or sureties, or any one of them, upon the bond become insolvent, or are, in the sole opinion of the Chief Procurement Officer, unsatisfactory, or unable to respond to damages in case of liability on such bond, the Chief Procurement Officer will notify you and direct that you furnish a bond issued by a satisfactory surety or sureties forthwith.

E. Insurance

You must procure and maintain at all times, at your own expense, through the completion of the warranty period, the types of insurance specified in Book 2 of the Contract, with insurance companies authorized to do business in the State of Illinois, covering all operations under this Contract, whether performed by you or by Subcontractors. Upon written request by the Commissioner, you must allow the Commissioner to review and copy any original insurance policies you are obligated to maintain under this policy.

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You waive any and every claim or right of recovery from the City for all injuries and losses arising under this Contract or in any way related to the Work, including any claim for loss of or damage to the Work or to the contents of it, which injury, loss or damage is covered or is required to be covered by valid and collectible insurance policies, to the extent that such injury, loss or damage is recoverable under the insurance policies. As this waiver will preclude the assignment of any claim by subrogation (or otherwise) to an insurance company (or any other person), you must give each insurance company that has issued, or in the future may issue, your policies of insurance, written notice of the terms of this waiver, and to have the insurance policies properly endorsed, if necessary, to prevent the invalidation of insurance coverage by reason of the waiver. You must require each Subcontractor to include similar waivers of subrogation in favor of the City.

The City reserves the right to change, modify or delete insurance requirements set forth in the Contract, including the right to request that you provide additional types of insurance.

XIX. CLAIMS AND DISPUTES

A. General

Compliance with the provisions in this Article XIX is a precondition to seeking judicial review of an adverse decision of the Chief Procurement Officer. **You must not withhold performance of and must prosecute any Work required by the Commissioner while your claim, including judicial resolution, if any, is pending. You must prosecute all of your Work including any disputed Work with the same diligence and effort as if no dispute existed.** Neither the Chief Procurement Officer's determination (see Section XIX.C.3 below), nor the continued performance by either party, constitutes an admission as to any factual and/or legal position in connection with the dispute or a waiver of any rights under the Contract.

B. Claims

1. This provision applies to all claims under this Contract, including those for time, money, or both.
2. Procedures. Within 14 days after a basis for claim arises, you must submit your claim in writing to the City's resident engineer or its project manager ("Commissioner's Representative). This written claim to the Commissioner's Representative will constitute "notice" to the City for purposes of determining initial timeliness of the claim; oral notice is insufficient. If you and the Commissioner's Representative are unable promptly (depending upon the complexity of the matter) to resolve the claim, you must forward your claim in writing to the Commissioner together with the documents listed in (a) through (d) below (collectively, "your documents"). You must include:
 - a. A general statement of the basis for the claim,
 - b. Reference to the applicable Contract provisions,
 - c. All records that support the claim, and
 - d. All documents that relate to it, such as correspondence, and that are reasonably necessary for the Commissioner's understanding to resolve the claim.

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It is your responsibility to furnish your documents to the Commissioner at the time you forward the claim to him, as, with or without the supporting documentation, the Commissioner has 30 days to respond in writing to you after he has received the claim. Incomplete information may result in an adverse response. The response may be in the form of a contract modification.

If within the 30 days the Commissioner neither responds nor forwards the claim to the Chief Procurement Officer in lieu of responding, the claim will be considered denied, unless you and the Commissioner have agreed to extend the time for him to complete his response. The Commissioner may, at his sole option, forgo the opportunity to respond directly to your claim by referring it with all your documentation and a Request for Resolution of Dispute to the Chief Procurement Officer and supplying such additional documentation as the Chief Procurement Officer may require of him.

C. Disputes

1. Invoking Dispute Resolution Procedures. If you dispute the Commissioner's resolution or denial of your claim, or if your claim is deemed denied, you have 10 days to forward your claim and your documentation to the Chief Procurement Officer indicating to him that you are requesting resolution of a dispute and showing that you have complied with the preceding claims procedures. Your 10-day period to invoke dispute resolution by the Chief Procurement Officer is counted from the date the Commissioner's written resolution was sent to you, or, if he has not responded or forwarded the claim, from the date on which the time for the Commissioner's response lapsed.
2. Waiver. If you fail to file a Request for Resolution of Dispute with the Chief Procurement Officer within the 10-day period you will have waived your claim, the right to make the claim later, and the right to dispute its resolution or denial.
3. Dispute Procedures. Once the dispute resolution procedures are invoked, the Chief Procurement Officer will proceed to a final and binding decision under such rules and regulations as he from time to time promulgates. A copy of those rules and/or regulations is available through the Department of Procurement Services. The Chief Procurement Officer's decision will be implemented through a Contract Modification, if required, that will be made a part of the Contract with your signature or without it should you refuse to sign the Contract Modification. If either you or the Commissioner disagree(s) with the decision of the Chief Procurement Officer, the exclusive remedy is judicial review by a common law *writ of certiorari*. Unless such review is sought within 35 days of receipt of the Chief Procurement Officer's decision, all rights to seek judicial review are waived.

XX. EVENTS OF DEFAULT AND TERMINATION

A. Chief Procurement Officer's Right

1. The Chief Procurement Officer may, at his sole discretion, exercise the right to send you notice under Sections XX.C.1 or XX.C.2. Whether to declare you in default is within the sole discretion of the Chief Procurement Officer and neither that decision nor the factual basis for it is subject to review or challenge under Article XIX, "Claims and Disputes."
2. If the Chief Procurement Officer terminates this Contract under the provisions of Section XX.C.1 or XX.C.2, the Commissioner may use the material and equipment, whether

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owned or leased, that is within the scope of the Work or necessary for completion of the Work paid for by the City (whether located on or off the Work site), to complete the Work and you will receive no further payment until the Work is completed. If, however, the cost of completion exceeds the unpaid balance of the Contract, you must pay the difference to the City immediately upon demand.

B. Events of Default

Your failure to perform any of your obligations under the Contract, including one or more of the following, is an event of default:

1. Failure to begin the Work at the time specified;
2. Failure to perform the Work with sufficient workers and equipment or with sufficient materials to insure the completion of Work or any part of the Work within the time specified by the Contract;
3. Failure to perform the Work in accordance with the Contract;
4. Failure to promptly remove materials, repair, or replace Work that was or were rejected as defective or unsuitable;
5. Unauthorized discontinuation of the Work;
6. Insolvency, bankruptcy or assignment for the benefit of creditors that impairs your ability to pay Subcontractors or perform the Work;
7. Failure to pay Subcontractors or material suppliers;
8. Failure to carry on the Work in a manner acceptable to the Commissioner;
9. Failure to observe Federal, State, or local laws or regulations governing safety and security requirements, including all environmental requirements;
10. Failure to comply with any other term of this Contract that states an event of default or failure to comply with any term of this Contract in any material respect; and
11. Failure to identify disposal site(s) for materials, construction debris, soil and other wastes or to submit such information when requested by the Chief Procurement Officer.
12. Disqualification as a MBE or WBE of the Contractor or any joint venture partner, subcontractor or supplier if its status as an MBE or WBE was a factor in the award of the Contract and such status was misrepresented by the Contractor.
13. Failure to notify City of change in information submitted in Contractor's original Economic Disclosure Statement ("EDS") and to submit a new EDS;
14. Default under any other City contract;
15. Violation of any City ordinance, even if unrelated to contract performance.
16. Failure to comply with the Child Support Arrearage Ordinance, § 2-92-415 of the Municipal Code;

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C. Remedies

If an event of default occurs, the Chief Procurement Officer, at his sole discretion, may send you notice of his intent to exercise remedies pursuant to the following:

1. **Opportunity to Cure:** The Chief Procurement Officer may provide you the opportunity to cure the default. If he does so, you must cure the default within 10 days after notice from the Chief Procurement Officer is given. If the Chief Procurement Officer receives written notification from the Commissioner that you have not cured the default within the 10-day cure period, the Chief Procurement Officer may at any time after that terminate the Contract, in which event the termination of the Contract is final and effective.
2. **Termination:** The Chief Procurement Officer may terminate the Contract. Written notification of the default and termination of the Contract will be provided to you and the bond company by the Chief Procurement Officer. The Chief Procurement Officer's decision and declaration of termination is final and effective.
3. In addition to the foregoing, upon an event of default as defined in Section XX.B, "Events of Default," the City may invoke any or all of the following remedies:
 - a. The right of set-off against any payments due or to become due to you;
 - b. The right to take over and complete the Work, or any part of it, either directly or through others. The City may use your Subcontractors, materials and equipment to complete the Work. If the City notifies you that it is invoking this remedy, all rights you may have in or under your subcontracts are assigned to the City, subject to the City's right to take assignment of all or only selected subcontracts, at the City's discretion. The sole obligation accepted by the City under such subcontracts is to pay for Work satisfactorily performed after the date of the assignment. In the event a conditional assignment has not been executed, you must execute, or cause to be executed, any assignment, agreement, or other document that may be necessary, in the sole opinion of the Corporation Counsel, to evidence or effect compliance with this provision. You must promptly deliver such documents upon the City's request. In the case of any subcontract so assigned and accepted by the City, you remain liable to the Subcontractors for any payment already invoiced to and paid by the City, and for any claim, suit, or cause of action based on or resulting from any error, omission, negligence, fraud, willful or intentionally tortious conduct, or any other act or omission, or breach of Contract, by you, your officers, employees, agents, and other Subcontractors, arising before the date of assignment to the City, when such claim, suit, or cause of action has not been discharged, disposed of, or otherwise resolved as of that date. You must notify your Subcontractors of these requirements;
 - c. In the event of termination, all costs and changes incurred by the City, together with the cost of completing the Work, are deducted from any moneys due or that may become due to you. When the expense incurred by the City exceeds the sum that would have been payable under the Contract, you and the surety are liable and must pay to the City the amount of the excess;
 - d. The right to terminate the Contract as to any or all of the Work yet to be performed;

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- e. The right of specific performance, an injunction, or any other appropriate equitable remedy, as may be applicable;
- f. The right to money damages, including all expert witness or other consultant fees, court costs, and attorneys' fees that the City may incur in connection with any claim, suit, or action based upon, related to, or arising from, directly or indirectly, an event of default under this Contract;
- g. The right to withhold all or any part of your compensation;
- h. The right to terminate any or all of any other contracts that you may have with the City; and
- i. The right to deem you non-responsible in future contracts to be awarded by the City.

D. Nonexclusivity of Remedies

The remedies under the terms of this Contract are not intended to be exclusive of any other remedies provided, but each and every such remedy is cumulative and is in addition to any other remedies, existing now or hereafter, at law, or in equity. No delay or omission to exercise any right or power accruing upon any event of default impairs any such right or power, nor constitutes a waiver of any event of default or acquiescence in it, and every such right and power may be exercised from time to time and as often as may be deemed expedient.

E. Adjudication of Termination

If the Contract is terminated by the City for cause and it is subsequently determined by a court of competent jurisdiction that the termination was without cause, the termination will thereupon be deemed under Section XX.F, "Early Termination," and the provisions of Section XX.F, "Early Termination," apply.

F. Early Termination

1. The City, through the Chief Procurement Officer, may terminate your Work by written notice stating the effective date of the termination. Immediately upon receipt of the notice, you must provide similar written notice to the affected Subcontractor(s), whereupon you and Subcontractor(s) must, except for services necessary for the orderly termination of the Work.
 - a. Stop all Work and place no further order or subcontracts for materials, services, equipment or supplies;
 - b. Assign to the City, in the manner and to the extent directed, all of your rights under Work orders, purchase orders and subcontracts relating to the portion of the Work that has been completed;
 - c. Terminate Work orders, purchase orders and subcontracts outstanding to the extent that they relate to the Work and are not assigned to the City;
 - d. Take any action necessary to protect property in your possession in which the City has or may acquire an interest; and
 - e. Take any other action toward termination of the Work that the City may direct.

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2. If all or a portion of your Work is terminated under this Section, "Early Termination," you are entitled to payment of those costs relating to the completed portion of the Work. No payment will be made for Work not actually performed. Deductions will be made by the City for any amounts previously paid to you and for any amounts that may be due the City, or that the City may offset or withhold by the terms of this Contract. Thus, the City will pay you, subject to the limitations set forth in this Contract, the sum of the following costs:
 - a. That portion of the Contract Price related to the Work you completed immediately before notice of termination less the payments for progress or changes previously made; and
 - b. Expenses incurred for which you are liable as the result of your termination of respective Work orders, purchase orders or subcontracts related to the notice of termination. The total amount of all payments to you must not, in any event, exceed the proportion that the Work actually performed (including materials delivered to the Project site minus credits for returned goods or canceled orders) at the date of termination bears to the entire Work to be performed under this Contract. Any payment to you under this subsection will be made in accordance with the provisions of Article XIII, "Payments."
3. After receipt of a notice of termination under this Section XX.F, "Early Terminations," you must submit to the Commissioner your final invoice in the form required, with supporting documentation. The Commissioner may require certified payrolls, receipts and other proof of expenditures. The final invoice must be submitted promptly, but in no event more than 60 days after the effective date of termination. Failure to submit the final invoice within 60 days after the effective date of termination constitutes a waiver of the final invoice.

G. Non-Appropriation

If no funds or insufficient funds are appropriated and budgeted in any fiscal period of the City for payments to be made under this Contract, then the City will notify you of that occurrence and this Contract will terminate on the earlier of the last day of the fiscal period for which sufficient appropriation was made or whenever the funds appropriated for payment under this Contract are exhausted. No payments will be made to you under this Contract beyond those amounts appropriated and budgeted by the City to fund payments under it.

XXI. COMPLIANCE WITH ALL LAWS

A. Contractor Must Comply with All Laws

Contractor must observe and comply with all Applicable Laws, in effect now or later and whether or not they appear in the Agreement, including those specifically referenced herein or in any of the Contract Documents. Contractor must pay all taxes and obtain all licenses, certificates and other authorizations required in connection with the performance of its obligations hereunder, and Contractor must require all subcontractors to do so. Contractor is fully responsible for ascertaining and complying with all agency and code requirements applicable to the Work.

By entering into this Contract with the City, Contractor certifies to the best of its knowledge and belief that it, its principals and any subcontractors used in the performance of this contract, meet City requirements and have not violated any City or sister agency policy, codes, state,

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federal, or local laws, rules or regulations and have not been subject to any debarment, suspension or other disciplinary action by any government agency. Additionally, if at any time the contractor becomes aware of such information, it must immediately disclose it to the City.

B. Civil Rights Act of 1964, Title VI, Compliance With Nondiscrimination Requirements

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations

The contractor will comply with federal nondiscrimination laws, regulations, and authorities, as they may be amended from time to time (Acts and Regulations), which include:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- Title IX of the Education Amendments of 1972, as amended, prohibits discrimination because of sex in education programs or activities (20 U.S.C. 1681 et seq);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

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- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, religion, color, national origin, or sex in any activity carried out with a grant from the FAA).

2. Non-discrimination

The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21 (Nondiscrimination in Federally-Assisted Programs of the US Department of Transportation).

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment

In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports

The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City or applicable federal agency (e.g. Federal Aviation Administration, Federal Highway Administration, Federal Transit Authority, Transportation Security Administration, Department of Housing and Urban Development, etc.) providing funding to the City department(s) on this contract to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the federal agency, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance

In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the City will impose such contract sanctions as it or the relevant federal funding agency may determine to be appropriate, including, but not limited to:

- A. Withholding payments to the contractor under the contract until the contractor complies; and/or
- B. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions

The contractor will include the provisions of above paragraphs 1, "Compliance With Regulations" through 6 "Incorporation of Provisions" in every subcontract, including

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procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the sponsor or the applicable federal agency may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

7. Other Non-Discrimination Requirements

A. ILLINOIS HUMAN RIGHTS ACT

1. GENERALLY

Contractor must comply with the Illinois Human Rights Act, 775 ILCS 5/1-1 01 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Employment Opportunity Clause, 44 Ill. Admin. Code 750 Appendix A, and as further described below.

Contractor must comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended; and all other applicable state laws, rules, regulations and executive orders.

2. STATE OF ILLINOIS DUTIES OF PUBLIC CONTRACTORS (44 ILL. ADMIN. CODE 750 ET SEQ.)

Contractor shall comply with its obligations for public contractors under state law. These rules require that contractor examine all its job classifications to determine whether minorities or women are underutilized, and if underutilization exists in any job classification, the contractor must take appropriate affirmative action. 44 Ill. Admin. Code 750.110. Underutilization means "having fewer minority/female workers in a particular job classification than would reasonably be expected by their availability." 44 Ill. Admin. Code 750.120.

When required by the state rules, contractors shall develop and implement written affirmative action plans to overcome underutilization of minorities and/or women, including, at minimum, a description of the contractor's workforce analysis and goals and timetables for recruitment efforts, per 44 Ill. Admin. Code 750.130. Contractors shall also state in all solicitations that all applicants be afforded equal employment opportunity without discrimination ("because of race, color, religion, sex, marital status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, sexual orientation, military status, order of protection status or unfavorable discharge from military service," 44 Ill. Admin. Code 750.150), and advise in writing their personnel, referral sources, and labor organizations of the contractor's obligations under state law and any affirmative action plan.

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**3. STATE OF ILLINOIS EQUAL EMPLOYMENT OPPORTUNITY
CLAUSE**

In the event of the Contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause or the Illinois Human Rights Act, the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the Contractor agrees as follows:

A) That Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and, further, that he or she will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any underutilization.

B) That, if Contractor hires additional employees in order to perform this contract or any portion of this contract, Contractor will determine the availability (in accordance with 44 Ill. Admin. Code Part 750) of minorities and women in the areas from which Contractor may reasonably recruit and Contractor will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.

C) That, in all solicitations or advertisements for employees placed Contractor or on Contractor's behalf, Contractor will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service.

D) That Contractor will send to each labor organization or representative of workers with which Contractor has or is bound by a collective bargaining or other agreement or understanding, a notice advising the labor organization or representative of the Contractor's obligations under the Illinois Human Rights Act and 44 Ill. Admin. Code Part 750. If any labor organization or representative fails or refuses to cooperate with the Contractor in Contractor's efforts to comply with the Act and this Part, the Contractor will promptly notify the Illinois Department of Human Rights and the City and will recruit employees from other sources when necessary to fulfill its obligations under the contract.

E) That Contractor will submit reports as required by 44 Ill. Admin. Code Part 750, furnish all relevant information as may from time to time be requested by the Illinois Department of Human Rights or the City, and

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in all respects comply with the Illinois Human Rights Act and 44 Ill. Admin. Code Part 750.

F) That Contractor will permit access to all relevant books, records, accounts and work sites by personnel of the City and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Illinois Department of Human Rights's Rules and Regulations.

G) That Contractor will include verbatim or by reference the provisions of this clause in every subcontract awarded under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify the City and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply with the provisions. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

B. CHICAGO HUMAN RIGHTS ORDINANCE MCC CH. 6-10 (FORMERLY CH. 2-160)

Contractor must comply with the Chicago Human Rights Ordinance, MCC Ch. 2-160, Sect. 2-160-010 et seq., as amended; and all other applicable municipal code provisions, rules, regulations and executive orders.

Contractor must furnish or shall cause each of its Subcontractors to furnish such reports and information as requested by the Chicago Commission on Human Relations.

C. CITY OF CHICAGO EQUAL EMPLOYMENT OPPORTUNITY GOALS MCC 2-92-390

The City has established by ordinance equal employment opportunity goals for construction projects with an estimated contract value of \$100,000 or more. The City's yearly goals, as a percentage of construction aggregated work hours per category of worker, are as follows:

- A) 25% by minority journeyworkers and apprentices;
- B) 7% by women journey workers and apprentices;
- C) 40% by minority laborers; and
- D) 10% by women laborers.

The Contractor is encouraged to meet or exceed these goals. Contractor shall also comply with the State of Illinois equal employment opportunity requirements, as set forth above.

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**D. BUSINESS ENTERPRISES OWNED BY PEOPLE WITH DISABILITIES
(BEPD)**

Pursuant to MCC 2-92-586, Contractor is strongly encouraged to subcontract with businesses certified as business enterprises owned or operated by people with disabilities ("BEPD") as defined in that section or MCC 2-92-337, and to use BEPD businesses as suppliers.

C. Business Relationships with Elected Officials

Pursuant to MCC Sect. 2-156-030(b), it is illegal for any elected official, or any person acting at the direction of such official, to contact either orally or in writing any other City official or employee with respect to any matter involving any person with whom the elected official has any business relationship that creates a financial interest on the part of the official, or the domestic partner or spouse of the official, or from whom or which he has derived any income or compensation during the preceding twelve months or from whom or which he reasonably expects to derive any income or compensation in the following twelve months. In addition, no elected official may participate in any discussion in any City Council committee hearing or in any City Council meeting or vote on any matter involving the person with whom the elected official has any business relationship that creates a financial interest on the part of the official, or the domestic partner or spouse of the official, or from whom or which he has derived any income or compensation during the preceding twelve months or from whom or which he reasonably expects to derive any income or compensation in the following twelve months. Violation of MCC Sect. 2-156-030 by any elected official with respect to this contract will be grounds for termination of this contract. The term financial interest is defined as set forth in MCC Chapter 2-156.

D. Chicago Inspector General

As required by § 2-56 of the Municipal Code, it is the duty of every Contractor, all subcontractors, every applicant for certification of eligibility for a City contract or program, and all officers, directors, agents, partners and employees of any bidder, Contractor, subcontractor or such applicant to cooperate with the Inspector General in any investigation or hearing undertaken pursuant to Chapter 2-56 of the Municipal Code. Contractor must abide by all provisions of Chapter 2-56 of the Municipal Code. All subcontracts must inform subcontractors of the provision and require understanding and compliance.

E. Governmental Ethics Ordinance

As required by § 2-156-120 of the Municipal Code, no payment, gratuity or offer of employment shall be made in connection with any city contract, by or on behalf of a subcontractor to the prime contractor or higher-tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

F. False Statements

False statements made in connection with this Agreement, including statements in, omissions from and failures to timely update the EDS, as well as in any other affidavits, statements or contract documents constitute a material breach of the Agreement (each a "Disclosure Misrepresentation"). Any such Disclosure Misrepresentation renders the Agreement voidable

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at the option of the City, notwithstanding any prior review or acceptance by the City of any materials containing a Disclosure Misrepresentation. In addition, the City may debar Contractor, assert any contract claims or seek other civil or criminal remedies as a result of a Disclosure Misrepresentation (including costs of replacing a terminated Contractor pursuant to Chicago Municipal Ordinance 1-21-010).

G. Americans with Disabilities Act

Contractor must perform all construction or alteration that Contractor undertakes in connection with this Contract in compliance with all federal, state and local laws and regulations regarding accessibility standards for disabled or environmentally limited persons including: Americans with Disabilities Act, P.L. 101-336 (1990) and the Uniform Federal Accessibility Standards ("UFAS") or the American with Disabilities Act ("ADA") and; the Illinois Environmental Barriers Act, 410 ILCS 25/1 *et seq.* (1991), and the regulations promulgated with them. If the above cited standards are inconsistent, Contractor must comply with the standard providing greater accessibility.

H. MacBride Principles Ordinance

If the Contractor conducts any business operations in Northern Ireland, it is hereby required that the contractor shall make all reasonable and good faith efforts to conduct any business operations in Northern Ireland in accordance with the MacBride Principles for Northern Ireland as defined in Illinois Public Act 85-1390 (1988 Ill. Law 3220).

I. Prohibition on Certain Contributions – Mayoral Executive Order No. 2011-4

During the Term of this Agreement, or during any period when an extension of this Agreement is being sought or negotiated, neither the Contractor nor any party with a beneficial interest or ownership interest in the Contractor of more than 7.5%, nor any subcontractor of the Contractor or any owner of a subcontractor with more than 7.5% interest in the subcontractor, nor any person with a familial or domestic relationship, including domestic partners, with any of the above may make themselves, may coerce or compel any employee to make or reimburse any employee for any amount, or otherwise participate in the solicitation of amounts contributed to the Mayor or to the Mayor's political fundraising committee.

Contractor's violation of Mayoral Executive Order No. 2011-4 constitutes an Event of Default for which no opportunity to cure will be granted. Such breach and default entitles the City to all remedies (including without limitation termination for default) under this Agreement, under Other Contract, at law and in equity.

J. Licensing of General Contractors

Important: The failure to comply with the provisions of Chapter 4-36 of the Municipal Code ("Chapter 4-36") may result in ineligibility to bid, inability to perform (or continue) to work, imposition of substantial fines, and/or in the City's revoking the Bidder's "general contractor" license. Information about Chapter 4-36 and application forms are available on the City's website, www.cityofchicago.org. A copy of the entire ordinance is provided in Book 2 of this contract.

As stated elsewhere in the specification, the City reserves the right to reject any or all bids.

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Bidder must be in compliance with the requirements of Chapter 4-36, in the appropriate license class commensurate with the size of this project, if the license is required for the scope of work, **at the time Bidder submits its bid** and, if it is awarded a contract, throughout the term of the contract.

Contractor's failure to be licensed as a "general contractor" at all times throughout the term of the contract, if the license is required for the scope of work, is an **event of default** under the Agreement and the City may exercise any and all rights and remedies permitted under the contract, at law, or in equity.

K. Buy America

Contractor must ensure that, to the extent applicable, Work provided under this Contract complies with any Buy America provisions of the federal government and/or any similar provisions of the State or City.

L. Steel Products

Unless otherwise provided in the Steel Products Procurement Act, 30 ILCS 565/1 *et seq.*, steel products used or supplied in the performance of this contract or any subcontract to this contract must be manufactured or produced in the United States. Knowing violation of this law may result in the filing and prosecution of a complaint by the Attorney General of the State of Illinois and will subject violators to a fine of the greater of \$5,000 or the payment price received as a result of such violation.

M. Wastes

As required by § 11-4-1600(e) of the Municipal Code, violation of §§ 7-28-390 Dumping on public way; 7-28-440 Dumping on real estate without permit; 11-4-1410 Disposal in waters prohibited; 11-4-1420 Ballast tank, bilge tank or other discharge; 11-4-1450 Gas manufacturing residue; 11-4-1500 Treatment and disposal of solid or liquid waste; 11-4-1530 Compliance with rules and regulations required; 11-4-1550 Operational requirements; and 11-4-1560 Screening requirements by the Contractor or any subcontractor during the term of the Agreement, whether or not in the performance of the Agreement, constitutes an event of default. Non-compliance with these terms and conditions may be used by the City as grounds for the termination of the Agreement, and may further affect Contractor's eligibility for future contract awards. The opportunity to cure, if curable, will be granted only at the sole discretion of the Chief Procurement Officer. Such breach and default entitles the City to all remedies under the Contract, at law or in equity.

N. Duty to Report Corrupt Activity

Pursuant to MCC 2-156-018, it is the duty of the Contractor to report to the Inspector General, directly and without undue delay, any and all information concerning conduct which it knows to involve corrupt activity. "Corrupt activity" means any conduct set forth in Subparagraph (a)(1), (2) or (3) of Section 1-23-020 of the MCC. Knowing failure to make such a report will be an event of default under this Contract. Reports may be made to the Inspector General's toll free hotline, 866-IG-TIPLINE (866-448-4754).

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O. Equal Pay

The Contractor will comply with all applicable provisions of the Equal Pay Act of 1963, 29 U.S.C. 206(d) and the Illinois Equal Pay Act of 2003, 820 ILCS 112/1, et seq., as amended, and all applicable related rules and regulations including but not limited to those set forth in 29 CFR Part 1620 and 56 Ill. Adm. Code Part 320.

P. 2014 Hiring Plan Prohibitions

1. The City is subject to the June 16, 2014 "City of Chicago Hiring Plan" (the "2014 City Hiring Plan") entered in *Shakman v. Democratic Organization of Cook County*, Case No 69 C 2145 (United States District Court for the Northern District of Illinois). Among other things, the 2014 City Hiring Plan prohibits the City from hiring persons as governmental employees in non-exempt positions on the basis of political reasons or factors.
2. Contractor is aware that City policy prohibits City employees from directing any individual to apply for a position with Contractor, either as an employee or as a subcontractor, and from directing Contractor to hire an individual as an employee or as a Subcontractor. Accordingly, Contractor must follow its own hiring and contracting procedures, without being influenced by City employees. Any and all personnel provided by Contractor under this Contract are employees or Subcontractors of Contractor, not employees of the City of Chicago. This Contract is not intended to and does not constitute, create, give rise to, or otherwise recognize an employer-employee relationship of any kind between the City and any personnel provided by Contractor.
3. Contractor will not condition, base, or knowingly prejudice or affect any term or aspect of the employment of any personnel provided under this Contract, or offer employment to any individual to provide services under this Contract, based upon or because of any political reason or factor, including, without limitation, any individual's political affiliation, membership in a political organization or party, political support or activity, political financial contributions, promises of such political support, activity or financial contributions, or such individual's political sponsorship or recommendation. For purposes of this Contract, a political organization or party is an identifiable group or entity that has as its primary purpose the support of or opposition to candidates for elected public office. Individual political activities are the activities of individual persons in support of or in opposition to political organizations or parties or candidates for elected public office.
4. In the event of any communication to Contractor by a City employee or City official in violation of paragraph 2 above, or advocating a violation of paragraph 3 above, Contractor will, as soon as is reasonably practicable, report such communication to the Hiring Oversight Section of the City's Office of the Inspector General, and also to the head of the relevant City Department utilizing services provided under this Contract. Contractor will also cooperate with any inquiries by OIG Hiring Oversight.

Q. Contractor's liability – Safety barriers and lights

Whenever any work or improvement shall require the digging up, use, or occupancy of any public way or other public place in the city, substantial covenants requiring such Contractor to put up and maintain such barriers and lights during the night time as will effectually prevent the happening of any accident for which the City might be liable in consequence of such

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digging up, use, or occupancy of any public way or other public place, shall be inserted in the contract and also such other covenants and conditions as experience may prove necessary to save the City harmless from damages. The chief procurement officer shall also provide in such contract that the party contracting with the City shall be liable for all damages occasioned by the digging up, use, or occupancy of such public way or other public place, or which may result therefrom.

R. Electronic Mail Communication

Electronic mail communication between Contractor and City employees must relate only to business matters between Contractor and the City.

S. Disclosure of Ownership Interest in Entities (Electronic Disclosure Statement)

The Contractor understands and will abide by the terms of Section 2-154-020 of the Municipal Code of Chicago regarding disclosure of ownership interest in entities.

T. EDS Update Obligation

Contractor is required to notify the City and update the EDS whenever there is a change in circumstances that makes any certification or information provided in an EDS inaccurate, obsolete or misleading. Failure to notify the City and update the EDS is grounds for declaring the Contractor in default, termination of the Contract for default, and declaring that the Contractor is ineligible for future contracts.

U. Wheel Tax (City Sticker)

Contractor must pay all Wheel Tax required by Chapter 3-56 of the MCC, as amended from time to time. Contractor should take particular notice of MCC 3-56-020 and MCC 3-56-125 which relate to payment of the tax for vehicles that are used on City streets or on City property by City residents. For the purposes of Chapter 3-56, any business that owns, leases or otherwise controls a place of business within the City wherein motor vehicles or semi-trailers are stored, repaired, serviced, or loaded or unloaded in connection with the business is also considered to be a City resident.

V. Safety Enhancing Vehicle Equipment Contracting (MCC 2-92-597)

1. Definitions

For purposes of this section, the following definitions shall apply:

"Commissioner of 2FM" means the City's Commissioner of Department of Fleet and Facility Management.

"Conventional cab" means a large vehicle configuration in which the driver is behind the front axle and the engine is in front of the axle under a discrete hood.

"Convex mirrors" means wide-angle mirrors that enable the operator of a large vehicle to see along the left and right sides of the vehicle by allowing a view of all points on an imaginary horizontal line which is: (i) three feet above the road; and (ii) one foot outside the plane defined by the outer face of the wheels.

"Crossover mirror" means a fender-mounted or hood-mounted mirror that enables the operator of a large vehicle with a conventional cab to see: (i) any person or object at

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least three feet tall passing one foot in front of the vehicle; and (ii) the area from the front bumper to where direct vision is possible.

"Large vehicle" means any motor vehicle with a gross vehicle weight rating exceeding 10,000 pounds, except an ambulance, fire apparatus, low-speed vehicle with maximum speed under 15 mph, or agricultural tractor.

"Lateral protective device" or "vehicle side guard" means an apparatus installed between the front and rear wheels of a large vehicle that is designed to prevent road users from falling underneath the vehicle.

"Subcontractor" means any person that enters into any tier subcontract to perform work on this Contract.

"Volpe side guard standard" means the United States Department of Transportation's Volpe side guard standard published and referred to as US DOT Standard DOT-VNTSC-OSTR-16-05, as amended; or a functionally equivalent national vehicle side guard standard, as determined by the Commissioner of 2FM.

2. Safety Enhancing Requirements

Contractor and any Subcontractor must comply with MCC 2-92-597. Contractor and any Subcontractor must retrofit large vehicles used in the performance of the contract, in accordance with the Phase-In Period provided below, with:

- (A) Lateral protective devices. This requirement shall be considered satisfied if: (i) the vehicle is equipped with vehicle side guards in accordance with the requirements of the Volpe side guard standard; or (ii) the vehicle is so designed or equipped at the side that, by virtue of its shape and characteristics, its component parts can be regarded as replacing or functioning as vehicle side guards in accordance with the Volpe side guard standard; or (iii) the vehicle cannot be retrofitted with lateral protective devices as attested by the contractor or the subcontractor in a statement accompanied by certification from two manufacturers of such devices.
- (B) Left and right side convex mirrors; and
- (C) At least one crossover mirror on the passenger side.

3. Phase-In Period

Except when a Contractor or a Subcontractor is granted a waiver pursuant to MCC 2-92-597(g), the Safety Enhancing Requirements set forth above shall apply to:

- (A) one-fourth of a Contractor's or a Subcontractor's large vehicles used in the performance of the Contract on or after July 1, 2018 but before July 1, 2019;
- (B) one-half of a Contractor's or a Subcontractor's large vehicles used in the performance of the Contract on or after July 1, 2019 but before July 1, 2020;

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- (C) three-fourths of a Contractor's or a Subcontractor's large vehicles used in the performance of the Contract on or after July 1, 2020 but before July 1, 2021;
- (D) all of a Contractor's or a Subcontractor's large vehicles used in the performance of the Contract on or after July 1, 2021.

4. Compliance

Contractor shall submit a written compliance plan to the Commissioner of 2FM with respect to compliance with MCC 2-92-597 within 14 days following the notice to proceed or the placing of the first order under the contract, as applicable.

Every twelve-month period following the notice to proceed or the placing of the first order under the contract, as applicable, or when requested by the Commissioner of 2FM, the contractor must submit to the Commissioner of 2FM, in a form and manner provided by the CPO, a report that includes the following:

- (A) the number of large vehicles used in the performance of the Contract by the Contractor and any Subcontractor;
- (B) the number of large vehicles used in the performance of the Contract by the Contractor and any Subcontractor that are retrofitted with safety enhancing equipment as required as specified above and MCC 2-92-597(b);
- (C) one or more photographs of each large vehicle used in the performance of the Contract by the Contractor and any Subcontractor that is retrofitted with required safety enhancing equipment as specified above and set forth in MCC 2-92-597(b). The photographs must show the large vehicle's license plate number with the safety enhancing equipment fitted on the vehicle; and
- (D) a certification that the Contractor and any Subcontractor in the contract have met the requirements MCC 2-92-597 and the terms of the contract specified pursuant to that section.

5. Time Extension and Annual Waiver Requests

Upon a written request, accompanied by a compliance plan, of a Contractor or Subcontractor of a Contract entered on or before December 31, 2018, the CPO, in consultation with the Department, may grant a time extension of not more than six months for compliance with the requirements of MCC 2-92-597 with regard to the Contract.

Contractor and any Subcontractors may apply to the CPO for an annual waiver from the requirements of MCC 2-92-597. See MCC 2-92-597(g).

6. Costs

All costs that the contractor or any subcontractor may incur to comply with contract requirements imposed pursuant to this section are incidental to the

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overall contract. No additional time or monies shall be granted to the contractor for compliance with these requirements.

7. Enforcement

The CPO or Commissioner is authorized to inspect or to have inspected any large vehicle used in the performance of this Contract in order to ensure compliance with Safety Enhancing Equipment requirements and MCC 2-92-597.

In addition to other remedies provided by law or specified in the Contract, any person who knowingly makes a false statement of material fact to any city agency with respect to compliance with any contract requirements specified pursuant to MCC 2-92-597 or rules promulgated thereunder shall be fined not less than \$1,000.00 nor more than \$5,000.00 for each such false statement. For purposes of MCC 2-92-597, a person knowingly makes a false statement of material fact when such person makes a false statement of material fact as provided in subsection (d) of Section 1-21-010.

W. Policy Prohibiting Sexual Harassment (Section 2-92-612 of the Chicago Municipal Code)

For purposes of this section, "Sexual Harassment" is as defined in MCC 6-10-020. For the avoidance of doubt, Contractor will be considered an "Employer" as defined in MCC 6-10-020.

In accordance with MCC 2-92-612, Contractor must attest by affidavit that Contractor has a written policy, compliant with the requirements of MCC 6-10-040, prohibiting Sexual Harassment. The affidavit must be in a form acceptable to the Chief Procurement Officer. Contractor's affidavit is attached as the Exhibit titled "Sexual Harassment Policy Affidavit."

Contractor's failure to have a written policy prohibiting Sexual Harassment as provided above shall constitute an event of default. In the event of default, the Chief Procurement Officer shall notify Contractor of such noncompliance and may, as appropriate: (i) issue Contractor an opportunity to cure consistent with the default provisions in this Agreement; (ii) terminate the contract; or (iii) take any other action consistent with the default provisions in the contract. This section shall not be construed to prohibit the City from prosecuting any person who knowingly makes a false statement of material fact to the city pursuant to Chapter 1-21 of the MCC, or from availing itself of any other remedies under contract or law.

X. Policy on Non-Disclosure of Salary History (Section 2-92-385 of the Chicago Municipal Code)

For purposes of this section, the following definitions shall apply:

"Contract" means any Agreement or transaction pursuant to which a contractor (i) receives City funds in consideration for services, work or goods provided or rendered, including contracts for legal or other professional services, or (ii) pays the City money in consideration for a license, grant or concession allowing it to conduct a business on City premises, and includes any contracts not awarded or processed by the Department of Procurement Services.

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“Contractor” means the person to whom a contract is awarded.

As a condition of contract award, Contractor shall, as prescribed by the Chief Procurement Officer, attest by affidavit that Contractor has a policy that conforms to the following requirements:

- (1) Contractor shall not screen job applicants based on their wage or salary history, including by requiring that an applicant’s prior wages, including benefits or other compensation, satisfy minimum or maximum criteria; or by requesting or requiring an applicant to disclose prior wages or salary, either (i) as a condition of being interviewed, (ii) as a condition of continuing to be considered for an offer of employment, (iii) as a condition of an offer of employment or an offer of compensation, or (iv) as a condition of employment
- (2) Contractor shall not seek an applicant’s wage or salary history, including benefits or other compensation, from any current or former employer.

Contractor’s affidavit is included in Appendix C to Contractor’s Economic Disclosure Statement.

If Contractor violates the above requirements, Contractor may be deemed ineligible to contract with the City; any contract, extension, or renewal thereof awarded in violation of the above requirements may be voidable at the option of the City. Provided, however, that upon a finding of a violation by Contractor, no contract shall be voided, terminated, or revoked without consideration by the Chief Procurement Officer of such action’s impact on the Contractor’s MBE or WBE subcontractors.

Y. Deemed Inclusion

Provisions required by Applicable Law to be inserted in the Agreement are deemed inserted in the Agreement whether or not they appear in the Agreement or, upon application by either party, the Agreement will be amended to make the insertion; however, in no event will the failure to insert the provisions before or after the Agreement is signed prevent its enforcement.

Z. Business Diversity Program Reporting

1. Policy

Pursuant to Mayoral Executive Order 2021-2, contractors must submit annual reports regarding the contractors’ efforts regarding utilization of MBE and WBE firms, and other historically underutilized firms.

2. Definitions

“Business Diversity Program” means a program or initiative of a business enterprise which encourages or facilitates the use of minority-owned, women-owned, and other historically underutilized businesses as contractors, consultants, suppliers, or service providers for that business.

“Certified Firms” means firms possessing certifications recognized by the City of Chicago pursuant to MCC Chapter 2-92 or 49 CFR Parts 23 or 26. Specifically, MBEs, WBEs, BEPDs, VBEs, and DBEs.

3. Business Diversity Program Reports

Contractor must submit an annual report on July 1 of each year (or other date designated by the CPO) containing information about the Contractor’s Business Diversity Program, if information is available. However, for Contracts awarded June 1 through July 1, the due date for the first annual report will be August 1, all subsequent reports will be due July 1. Information to be provided will include:

- Whether Contractor has a Business Diversity Program.
- Description of the Contractor’s Business Diversity Program, if any.
- Information on expenditure of goods and services from minority-owned firms and women-owned firms during the prior calendar year, expressed in dollars and percentages, to the extent information is available. For reports due in 2021, information on expenditures in both 2019 and 2020 should be provided if available.
- For each year after the first year, information on progress or changes in the program in the prior year, if such information exists.

Reports shall be submitted to a City office or location anticipated to be identified by June 15.

4. Applicability

Contractor must submit the reports required by this Section XXI.Z unless:

- (A) Contractor is a Certified Firm; or
- (B) The Contract is for professional consulting services of an individual who is either the majority owner of the Contractor or is him- or herself the contracting party as a sole proprietor; or
- (C) All active City contracts awarded to Contractor have an award value less than \$100,000 and the aggregate award value of all contracts awarded to Contractor between May 31 of the prior year and May 31 of the current year is less than \$100,000; or
- (D) The CPO has otherwise notified the Contractor in writing that the requirement does not apply or that an exception will be made as outlined in Mayoral Executive Order 2021-2.

However, Contractors not required to report may report voluntarily.

XXII. STATUTORY ADJUSTMENTS TO THE BID

A. City-based Businesses (Chicago Business Preference)

For purposes of this section only, the following definitions shall apply:

“City-based business” means a person who (i) conducts meaningful day-to-day business operations at a facility located within the city and reports such facility to the Internal Revenue Service as a place of employment for the majority of its regular, full-time workforce; (ii) holds all appropriate city licenses; and (iii) is subject to applicable city taxes. These taxes may include the City Wheel Tax as provided at Chapter 3-56 of the MCC.

“City residents,” as defined in Section 2-92-330 of the MCC, means persons domiciled within the city.

“Contract” means any contract, purchase order or agreement awarded by the city and whose cost is to be paid from funds belonging to or administered by the city; provided that the term “contract” does not include: (i) a delegate agency contract; (ii) a lease of real property; or (iii) a collective bargaining agreement.

"Prime Contractor" means a person who is a city- based business and the primary contractor on a contract. A "Prime Contractor" does not include any subcontractors.

"City resident employee" means an individual who resides In the City and who Is employed by a prime contractor in a permanent, full-time employment and whose work is not counted towards the work hours required by Section 2-92-330.

"Socio-economically disadvantaged area" means an area within the City that meets the criteria for designation as a socio-economically disadvantaged area as set forth in rules promulgated by the City's Commissioner of Planning and Development pursuant to Section 2-92-390.

If these Bid Documents pertain to a Contract having an estimated contract value of \$100,000 or more, the CPO may apply a bid preference ("City Based Business Preference") of: (i) four percent of the contract base bid; or (ii) six percent of the contract base bid, if the majority of such prime contractor's employees are city resident employees; or (iii) eight percent of the contract base bid, if such prime contractor is eligible for an incentive under subsection (ii) and the majority of such contractor's city resident employees are residents of a socio-economically disadvantaged area, in accordance with section 2-92-412 of the MCC, to any qualified bidder that is a Prime Contractor. If the CPO has determined that a City Based Business Preference may be applied, it will be indicated on the cover page of the Bid Documents.

If a City Based Business Preference is applied to a Bidder's Bid, the Local Goods Incentive pursuant to Section 2-92-410 of the MCC will not be applied to that same Bid.

Bidders desiring to take advantage of the City Based Business Preference must submit documentation with their Bid that Bidder is a City-Based Business.

B. Alternatively Powered Vehicles Bid Incentive

1. Definitions for Alternatively Powered Vehicles Bid Incentive

For purposes of this Section XXII.C only, the following definitions apply:

"Alternative fuel" has the meaning ascribed to that term in the Energy Policy Act of 1992, and the rules promulgated by the United States Department of Energy pursuant to that Act. The term "alternative fuel" includes but is not limited to natural gas, liquefied petroleum gas, hydrogen, ethanol E85 or electricity;

"Alternatively powered vehicle" means a vehicle that:

- (i) is fueled by alternative fuel; provided that if a vehicle is capable of being powered by alternative fuel and traditional petroleum-based gasoline or petroleum-based diesel fuel, the vehicle must be powered by the alternative fuel for no less than 80% BTUs consumed during the three months prior to the submission of the bid; or

- (ii) is commonly referred to as a hybrid vehicle that is capable of being powered by a combination of any fuel and an alternative power source and the alternative power source includes an energy storage system to store generated or accumulated energy which substantially reduces the fuel use and emissions when compared to a standard vehicle of the same age, type and size; or

- (iii) is fueled by a biodiesel blend; provided that the vehicle is powered by the biodiesel blend for no less than 80% of the gallons consumed during the three months prior to the submission of the bid; or

- (iv) is fueled by traditional petroleum-based gasoline or petroleum-based diesel fuel, but powered by an engine substantially more efficiently designed than a standard vehicle of the same age, type and size; provided that the vehicle is rated by the United States Environmental Protection Agency in the top 5% for fuel efficiency for similar vehicles.

An "alternatively powered vehicle" does not include any vehicle which is: (i) primarily used in a warehouse or similar type of enclosed structure; (ii) required to use, or given credit for using, alternative fuel by any federal, state or local law; or (iii) subject to Section 2-92-595 of the Municipal Code of Chicago.

"Bid incentive" means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid contract.

"Biodiesel blend" has the meaning ascribed to that term in Section 2-92-595 of the Municipal Code of Chicago.

"Construction project" has the meaning ascribed to that term in Section 2-92-335 of the Municipal Code of Chicago.

"Contract" means any contract, purchase order, construction project, or other agreement (other than a delegate agency contract or lease of real property or collective bargaining agreement) awarded by the city and whose cost is to be paid from funds belonging to or administered by the city.

"Contract base bid" means the total dollar amount a contractor bids on a contract without factoring any bid incentive or percentage reductions in the bid amount.

"Eligible business" means a business located within the counties of Cook, DuPage, Kane, Lake, McHenry or Will in the State of Illinois (the "Six County Region"), and as to which: (1) a majority of the business' fleet is located and used within the Six County Region; and (2) a majority of those vehicles located and used within the Six County Region are alternatively powered vehicles.

"Fleet" means 10 or more vehicles that are owned, operated, leased or otherwise controlled by a business.

"Vehicle" means every device powered by a motor or engine and by, upon, or in which any person or property is or may be transported or drawn upon a street or highway, except a "vehicle" shall not include motorized wheelchairs, golf carts, neighborhood electric vehicles, as that term is defined in Section 9-4-010 of the Municipal Code of Chicago, devices moved solely by human power, devices used exclusively upon stationary rails or tracks, or snowmobiles, as defined in the Snowmobile Registration and Safety Act of Illinois.

2. Eligibility for Alternatively Powered Vehicles Bid Incentive

a. Unless otherwise prohibited by any federal, state or local law, for any contract having an estimated contract value of \$100,000 or more advertised, or if not advertised awarded, the chief procurement officer may allocate a bid incentive of 1/2% of the contract base price to a qualified bidder when the qualified bidder is an eligible business. If the CPO has determined that an Alternatively Powered Vehicles Preference may be applied, it will be indicated on the cover page of the Bid Documents.

b. The bid incentive is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the contract price.

c. For purposes of this section the total dollar value of a construction project contract includes both materials and labor.

d. As a condition of being awarded the bid incentive, the eligible business shall continue to meet the definition of an eligible business during the term of the contract.

e. The contractor shall maintain adequate records necessary to monitor compliance with this section and shall submit such reports as required by the chief procurement

officer. Full access to the contractor's and subcontractors' records shall be granted to the chief procurement officer, the commissioner of the supervising department, the inspector general, or any duly authorized representative thereof. The contractor and subcontractors shall maintain all relevant records for a period of no less than seven years after final acceptance of the work.

f. A bidder desiring to receive an incentive pursuant to this section shall include with its bid submission the Affidavit of Eligible Business for Bid Incentive for Alternative Powered Vehicles, which affirms that the bidder satisfies all pertinent requirements as an eligible business.

g. Upon completion of the work, any eligible business that receives a bid preference but that fails to meet the definition as an eligible business during the term of the contract shall be fined in an amount equal to three times the amount of the bid incentive awarded.

h. This section shall not apply to any contract to the extent that the requirements imposed by this section are inconsistent with procedures or standards required by any law or regulation of the United States or the State of Illinois to the extent such inconsistency is not permitted under law or the home rule powers of the city.

C. Bid Incentives for Veteran-Owned Small Businesses and Eligible Joint Ventures

(1) Definitions

For purposes of this section only, the following definitions shall apply:

"Bid incentive" means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid contract.

"Contract base bid" means the total dollar amount a contractor bids on a contract without factoring any bid incentive or percentage reductions to the bid amount.

"Eligible joint venture" means an association of one or more small local business enterprises in combination with one or more veteran-owned business enterprises, proposing to perform as a single for-profit business enterprise, in which each joint venture partner contributes property, capital, efforts, skill and knowledge. Joint ventures must have an agreement in writing specifying the terms and conditions of the relationship between the partners and their respective roles in the contract.

"Owned" means having all of the customary incidents of ownership, including the right of disposition, and sharing in all of the risks, responsibilities and profits commensurate with the degree of ownership.

"Prime contractor" means a person who is the primary contractor on a contract.

"Small local business enterprise" ("SBE") means a local business enterprise which is also a small business enterprise.

"Veteran-owned business enterprise" means an enterprise which: (1) is at least 51 percent owned by one or more veterans, or in the case of a publicly held corporation, at least 51 percent of all classes of the stock of which is owned by one or more veterans, whose management, policies, major decisions and daily business operations are independently managed and controlled by one or more veterans; and (2) has been: (i) certified by the City as a veteran-owned small local business pursuant to MCC 2-92-930; (ii) certified by the County of Cook as a

veteran business enterprise; (iii) certified by the State of Illinois as a qualified service-disabled veteran-owned small business or a qualified veteran-owned small business pursuant to 30 ILCS 500/45-57; or (iv) verified and approved by the United States Department of Veterans Affairs as a service-disabled veteran-owned small business or a veteran-owned small business.

"Veteran" means a person who has served in the United States armed forces and was discharged or separated under honorable conditions.

(2) Bid Incentive

Unless otherwise prohibited by any federal, state or local law, the CPO shall allocate a bid incentive of 5% of the contract base price, in accordance with section 2-92-950 of the MCC, to any qualified bidder that is a veteran-owned business enterprise or an eligible joint venture.

The bid incentive is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the contract price.

Bidders desiring to receive this incentive must submit an affidavit and other supporting documents demonstrating that the bidder satisfies all pertinent requirements as a veteran-owned business enterprise or an eligible joint venture. Bidders should consult the DPS regulations regarding this incentive and be prepared to comply with the self-performance requirements, which in some circumstances affect the calculation of MBE and WBE participation toward contract goals when a small business enterprise involved in receiving this incentive is also a certified MBE or WBE.

As a condition of being awarded the bid incentive, the veteran-owned business enterprise or eligible joint venture shall continue to meet the definition of a veteran-owned business enterprise or an eligible joint venture. If a contract is awarded to the veteran-owned business enterprise or eligible joint venture, upon completion of the work, any veteran-owned business enterprise or eligible joint venture that receives a bid preference but fails to meet the definition of a veteran-owned business enterprise or eligible joint venture during the term of the contract for which the bid incentive was awarded shall be fined in an amount equal to three times the amount of the bid incentive awarded.

The contractor shall maintain adequate records necessary to ensure compliance with this section and shall submit such reports as required by the chief procurement officer. Full access to the contractor's and subcontractors' records shall be granted to the chief procurement officer, the commissioner of the supervising department, the inspector general, or any duly authorized representative thereof. The contractor and subcontractor shall maintain all relevant records a period that is the longer of seven years or as after final acceptance of the work in accordance with the Local Records Act.

D. Bid Incentive for Utilization of Veteran-Owned Subcontractors

"Bid incentive" means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid contract.

"Construction project" means any project to be paid for by the city, but which is not funded in whole or part by any federal or state funds, to construct, remodel or reconstruct any public works, public buildings, public structures, roadways, parkways, bridges, parking facilities or parks, or any portion of any of the same, belonging to the city within its geographical boundaries as they exist or shall exist in the future.

"Contract base bid" means the total dollar amount a contractor bids on a contract without factoring any bid incentive or percentage reductions to the bid amount.

“Prime contractor” means a person who is the primary contractor on a contract.

“Veteran-owned subcontractor” means a subcontractor that: (i) is a veteran-owned business enterprise, as the term is defined in MCC Section 2-92-920; (ii) holds all appropriate city licenses; and (iii) is subject to applicable city taxes; provided that a veteran-owned subcontractor shall not include the prime contractor.

Pursuant to MCC Section 2-92-940, unless otherwise prohibited by any federal, state or local law, the CPO shall allocate to any qualified bidder on any construction project the following bid incentive for utilization of veteran-owned subcontractors in the performance of the contract.

Total Dollar Value of Work Performed by Veteran-Owned Subcontractors as a Percentage of the Total Contract Value	Bid Incentive
1 to 16%	0.5% of the contract base bid
17 to 32%	1% of the contract base bid
33 to 49%	1.5% of the contract base bid
50% or greater	2% of the contract base bid

If a veteran-owned subcontractor subcontracts part of the work to another contractor, only the value of work performed by the veteran-owned subcontractor’s employees shall count towards the bid incentive, unless the sub-subcontractor is a veteran-owned subcontractor.

The bid incentive is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the contract price.

A contractor shall not be eligible to receive in one contract bid, the bid incentive allocated pursuant to this Section 2-92-940 and that allocated pursuant to Section 2-92-410 (bid incentive for certain city-based manufacturers). This bid incentive may not be combined with any other procurement set-aside benefit for a veteran-owned business enterprise under the MCC.

If a veteran-owned subcontractor is also an MBE/WBE, any participation on the contract that is utilized toward MBE/WBE goals on the prime contractor’s compliance plan shall not count toward the total dollar value of work performed by veteran-owned subcontractors for purposes of this Bid Incentive.

The prime contractor shall maintain records adequate to monitor compliance with this section and shall submit such reports as required by the CPO. Full access to the prime contractor’s records shall be granted to the CPO, the commissioner of the supervising department, the inspector general, or any duly authorized representative thereof. The prime contractor and subcontractors shall maintain all relevant records for at least three years after the expiration of the contract.

The CPO may require, at the time of submission of a bid or at any time during the term of the contract, that the bidder or veteran-owned subcontractor submit an affidavit and other supporting documents demonstrating that a subcontractor is a veteran-owned subcontractor.

Upon completion of the work, any prime contractor that has failed to retain the percentage of veteran-owned subcontracts for which a bid incentive was taken into consideration in awarding of a contract shall be fined an amount equal to three times the amount of the bid incentive allocated, unless the prime contractor can demonstrate that due to circumstances beyond the prime contractor's control, the prime contractor for good cause was unable to retain the percentage of veteran-owned subcontractors throughout the duration of the contract period.

E. Apprentice Utilization (Section 2-92-335 Of The Chicago Municipal Code)

(a) For purposes of this section the following definitions apply:

"Apprentice" means any person who (1) is sponsored into an apprenticeship training program by a contractor that is authorized by a union to sponsor apprentices; and (2) has graduated from a Chicago Public Schools high school or is enrolled in, or has graduated from, a construction technology training program administered by the City Colleges of Chicago. The union's apprenticeship training program must be registered with the United States Department of Labor, or approved or recognized by the State of Illinois.

"Bid incentive" means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid construction project.

"Construction project" means any project to be paid for by-D.P.S., but which is not funded in whole or part by any federal funds, to construct, remodel or reconstruct any public works, public buildings, public structures, roadways, parkways, bridges, parking facilities or parks, or any portion of any of the same, belonging to the City within its geographical boundaries as they exist or shall exist in the future.

"Contract base bid" means the total dollar amount a contractor bids on a construction project without factoring any bid incentive or percentage reductions to the bid amount.

"Earned credit" means the amount of the bid incentive allocated to a contractor upon completion of a construction project in which the contractor met or exceeded his or her goals for the utilization of apprentices in performance of the total labor hours performed under the contract.

"Earned credit certificate" means a certificate issued by the chief procurement officer evidencing the amount of earned credit a contractor has been awarded.

"Labor hours" means the total hours of workers receiving an hourly wage who are directly employed at the work site. "Labor hours" shall include hours performed by workers employed by the contractor and all subcontractors working at the work site. "Labor hours" shall not include hours worked by non-working foremen, superintendents, owners and workers who are not subject to prevailing wage requirements.

(b) (1) For any construction project advertised having an estimated contract value of \$100,000.00 or more, and where not otherwise prohibited by federal, state or local law, the chief procurement officer shall allocate to any qualified bidder the following bid incentive for utilization of apprentices in performance of the total labor hours performed under contract.

Percentage of Total Labor Hours Performed By Apprentices	Bid Incentive
5 to 10%	1/2% of bid price

11 to 15%	1% of bid price

The bid incentive shall be calculated and applied in accordance with subsection (b)(2). The bid incentive is used only to calculate an amount to be used in evaluating the bid. The bid incentive does not affect the contract price.

(2) As part of the contract close-out procedure, if the chief procurement officer determines that the contractor has successfully met its apprentice utilization goals, the chief procurement officer shall issue an earned credit certificate that evidences the amount of earned credits allocated to the contractor. The contractor may apply the earned credits as the bid incentive for any future construction project contract bid of equal or greater dollar value.

The earned credit certificate is valid for three years from the date of issuance and shall not be applied towards any future contract bid after the expiration of that period.

The contractor may apply the earned credit certificate on multiple future construction project contract bids during the three-year period in which the certificate is valid, but may only receive one bid incentive for bid evaluation purposes on one construction project contract award. If the contractor applies the earned credit certificate on multiple construction project bids and is the lowest responsive and responsible bidder on more than one construction project bid, the earned credit certificate shall be applied to the construction project first to be advertised by D.P.S., or if multiple construction project bids were advertised on the same date, the earned credit certificate shall be applied only to the construction project with the greatest dollar value.

(c) The contractor shall maintain accurate and detailed books and records necessary to monitor compliance with this section and shall submit such reports as required by the chief procurement officer, or the commissioner of the supervising department.

Full access to the contractor's and subcontractors' records shall be granted to the chief procurement officer, the commissioner of the supervising department, or any duly authorized representative thereof. The contractor and subcontractors shall maintain all relevant records for a period of at least three years after final acceptance of the work.

(d) The chief procurement officer is authorized to adopt, promulgate and enforce reasonable rules pertaining to the administration and enforcement of this section.

F. Ex-Offender Apprentice Utilization (Section 2-92-336 of the Chicago Municipal Code)

(a) For purposes of this section the following definitions apply:

"Apprentice" means any person who is: (1) sponsored into an apprenticeship training program by a contractor that is authorized by a union to sponsor apprentices; (2) participating in a workforce development program of a delegate agency that receives funding from the Department Of Family and Support Services; and (3) an ex-offender. The union's apprenticeship training program must be registered with the United States Department of Labor, or approved or recognized by the State of Illinois. For purposes of this definition, "participating in" means the duration of the pertinent contract or one year, whichever is less.

"Bid incentive" means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid construction project.

"Construction project" means any project to be paid for by the City, but which is not funded in whole or part by any federal or state funds, to construct, remodel or reconstruct any public works,

public buildings, public structures, roadways, parkways, bridges, parking facilities or parks, or any portion of any of the same, belonging to the City within its geographical boundaries as they exist or shall exist in the future.

“Contract base bid” means the total dollar amount a contractor bids on a construction project without factoring any bid incentive or percentage reductions to the bid amount.

“Earned credit” means the amount of the bid incentive allocated to a contractor upon completion of a construction project in which the contractor met or exceeded his or her goals for the utilization of apprentices in performance of the total labor hours performed under the contract.

“Earned credit certificate” means a certificate issued by the chief procurement officer evidencing the amount of earned credit a contractor has been awarded.

“Ex-offender” means a resident of the City of Chicago who has been convicted of an imprisonable offense under the Illinois Criminal Code or another state's penal statute.

“Labor hours” means the total hours of workers receiving an hourly wage who are directly employed at the work site. “Labor hours” shall include hours performed by workers employed by the contractor and all subcontractors working at the work site. “Labor hours” shall not include hours worked by non-working foremen, superintendents, owners and workers who are not subject to prevailing wage requirements.

(b)(1) For any construction project advertised after the effective date of this section having an estimated contract value of \$100,000.00 or more, and where not otherwise prohibited by federal, state or local law, the chief procurement officer shall allocate to any qualified bidder the following bid incentive for utilization of apprentices in performance of the total labor hours performed under the contract.

(2) The Chief Procurement Officer is authorized to limit or preclude the use of apprentices for a particular contract if she determines, following consultation with the Commissioner of Family and Support Services, that the nature of the underlying offense raises concerns of suitability for that contract.

Percentage of Total Labor Hours Performed By Ex-Offender Apprentices	Bid Incentive
5 to 10%	1/2% of bid price
11 to 15%	1% of bid price

The bid incentive shall be calculated and applied in accordance with subsection (c)(2). The bid incentive does not affect the contract price and is used only to calculate an amount to be used in evaluating the bid.

(c)(1) For all construction projects advertised after the effective date of this section, the chief procurement officer shall include the bid incentive provision in all such advertisements, unless the limitation or preclusion of subsection (b)(2) applies.

(2) As part of the contract close-out procedure, if the chief procurement officer determines that the contractor has successfully met its apprentice utilization goals, the chief procurement officer shall issue an earned credit certificate that evidences the amount of earned credits

allocated to the contractor. The contractor may apply the earned credits as the bid incentive for any future construction project contract bid of equal or greater dollar value.

The earned credit certificate is valid for three years from the date of issuance and shall not be applied towards any future contract bid after the expiration of that period.

The contractor may apply the earned credit certificate on multiple future construction project contract bids during the three-year period in which the certificate is valid, but may only receive one bid incentive for bid evaluation purposes on one construction project contract award. If the contractor applies the earned credit certificate on multiple construction project bids and is the lowest responsive and responsible bidder on more than one construction project bid, the earned credit certificate shall be applied to the construction project first to be advertised by D.P.S., or if multiple construction project bids were advertised on the same date, the earned credit certificate shall be applied only to the construction project with the greatest dollar value.

(d) The contractor shall maintain accurate and detailed books and records necessary to monitor compliance with this section and shall submit such reports as required by the chief procurement officer, or the commissioner of the supervising department.

Full access to the contractor's and subcontractors' records shall be granted to the chief procurement officer, the commissioner of the supervising department, or any duly authorized representative thereof. The contractor and subcontractors shall maintain all relevant records for at least three years after final acceptance of the work.

(e) The chief procurement officer is authorized to adopt, promulgate and enforce rules pertaining to the administration and enforcement of this section.

G. Mentoring Program Bid Preference (Section 2-92-535 of the Chicago Municipal Code)

For purposes of this section only, the following definitions shall apply:

"Mentoring agreement" means a written mentor-protégé agreement approved by the CPO with MBEs and WBEs to develop their capacity in becoming self-sufficient, competitive and profitable business enterprises, as defined in Section 2-92-535.

"Subcontractor-to-subcontractor mentoring agreement" means a subcontractor's written mentor-protégé agreement approved by the CPO to develop the capacity of MBE or WBE subcontractors, as defined in Section 2-92-535.

Unless otherwise prohibited by any federal, state or local law, the CPO shall allocate a bid incentive of 1% of the contract base price, in accordance with Section 2-92-535 of the MCC, to any prime contractor that has entered into a mentoring agreement or whose subcontractor has entered into a subcontractor-to-subcontractor mentoring agreement.

Bidders desiring to receive this incentive must submit an affidavit and other supporting documents demonstrating that the bidder satisfies all pertinent requirements as a veteran-owned small local business or an eligible joint venture at the time of bid submission and at any time during the term of the Contract, as requested by the CPO.

As a condition of being awarded the bid preference, the Contractor shall maintain records adequate to monitor compliance with MCC Section 2-92-535 and shall submit such reports as required by the CPO. Full access to the Contractor's records shall be granted to the CPO, the Commissioner of the supervising department, the Inspector General, or any duly authorized representative thereof. The Contractor and subcontractors shall maintain all relevant records for a period of no less than three years after the expiration of the Contract.

Upon completion of the work, any Contractor that has failed to maintain a mentoring agreement or a subcontractor that has a subcontractor-to-subcontractor mentoring agreement, for which a bid preference was taken into consideration in awarding of a contract, shall be fined in an amount equal to three times the amount of the bid preference allocated, unless the Contractor can demonstrate that due to circumstances beyond the Contractor's control, the Contractor for good cause was unable to maintain a mentoring agreement or a subcontractor that has a subcontractor-to-subcontractor mentoring agreement throughout the duration of the Contract period.

H. Commitment Regarding Business Enterprises Owned By People With Disabilities (BEPD)

(a) Policy and Terms. It is the policy of the City that businesses certified as Business Enterprises owned by People with Disabilities (BEPD) in accordance with MCC 2-92-337 et seq., *Regulations Governing Certification of Business Enterprises owned by People with Disabilities*, and all other Regulations promulgated under the aforementioned sections of the Municipal Code; shall have the full and fair opportunities to participate fully in the performance of this Contract. Therefore, the Bidder or Contractor shall not discriminate against any person or business on the basis of disability, and shall take affirmative actions to ensure BEPDs shall have full and fair opportunities to compete for and perform subcontracts for supplies or services.

Failure to carry out the commitments and policies set forth herein shall constitute a material breach of the Contract and may result in the termination of the Contract or such remedy as the City deems appropriate.

(b) Definitions.

For purposes of this section only, the following definitions apply:

(1)“Business Enterprises owned or operated by People with Disabilities” or “BEPD” has the same meaning ascribed to it in section 2-92-586.

(2)“Bid incentive” means an amount deducted, for bid evaluation purposes only, from the contract base bid in order to calculate the bid price to be used to evaluate the bid on a competitively bid contract.

(3)“Contract base bid” means the total dollar amount a contractor bids on a contract without factoring any bid incentive or percentage reductions to the bid amount.

(c) Commitments. Where not otherwise prohibited by federal, state, or local law, the CPO shall allocate to any qualified bidder the following bid incentive for utilization of a BEPD as a prime contractor or subcontractor in the performance of the contract.

% of total dollar contract amount performed by BEPD	Bid incentive
2 to 5%	1% of the contract base bid
6 to 9%	2% of the contract base bid
10 to 13%	3% of the contract base bid
14% or more	4% of the contract base bid

The bid incentive shall be calculated and applied in accordance with the provisions of this section. The bid incentive is used only to calculate an amount to be used in evaluating the bid. The bid incentive does not affect the contract price.

Upon completion of the work, any Contractor that has failed to retain the percentage of BEPD subcontractors for which a bid incentive was taken into consideration in awarding of a contract shall be fined an amount equal to three times the amount of the bid incentive allocated, unless the Contractor can demonstrate that due to circumstances beyond the Contractor's control, the Contractor for good cause was unable to retain the percentage of BEPD participants throughout the duration of the contract period.\

(d) Records and Reports. The Contractor shall maintain accurate and detailed books and records necessary to monitor compliance with this section and shall submit such reports as required by the CPO, or the commissioner of the supervising department.

Full access to the Contractor's and Subcontractor's records shall be granted to the CPO, the commissioner of the supervising department, or any duly authorized representative thereof. The Contractor and Subcontractors shall maintain all relevant records for a period of at least three years after final acceptance of the work.

I. Project Area Subcontractor Bid Incentive

For purposes of this section only, the following definitions shall apply:

"Construction project" means any project to be paid for by the city, but which is not funded in whole or part by any federal or state funds, to construct, remodel or reconstruct any public works, public buildings, public structures, roadways, parkways, bridges, parking facilities or parks, or any portion of any of the same, belonging to the city within its geographical boundaries as they exist or shall exist in the future.

"Department" means the department of procurement services.

"Project-area subcontractor" means a person who: (i) conducts meaningful day-to-day business operations at a facility located within that part of the city designated as the project area in the information for bidders issued by the department and that facility is the place of employment for the majority of that person's regular, full-time workforce; (ii) holds all appropriate city licenses; (iii) is a small business enterprise; and (iv) is subject to applicable city taxes; provided that a project-area subcontractor shall not include the prime contractor.

"Prime Contractor" means a person who is the primary contractor on a contract.

"Small business enterprise" means a small business as defined by the U.S. Small Business Administration, pursuant to the business size standards found in 13 C.F.R. Part 121, relevant to the scope of work the business seeks to perform on city contracts. A business is not an eligible small business enterprise in any city fiscal year in which its gross receipts, averaged over the firm's previous five fiscal years, exceed the size standards of 13 C.F.R. Part 121.

Unless otherwise prohibited by any federal, state or local law, for any construction project advertised after the effective date of this section, the CPO shall allocate to any qualified bidder the following bid incentive for utilization of project-area subcontractors in the performance of the contract:

Total dollar value of work performed by project-area subcontractors as a percentage of the total contract value:	Bid Incentive:
1 to 16%	0.5% of the contract base bid
17 to 32%	1% of the contract base bid
33 to 49%	1.5% of the contract base bid
50% or greater	2% of the contract base bid

If a project-area subcontractor subcontracts part of the work to another contractor, only the value of work performed by the project-area subcontractor's employees shall count towards the bid incentive, unless the sub-subcontractor is a project-area subcontractor.

The bid incentive is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the contract price.

A contractor shall not be eligible to receive in one contract bid, the bid incentive allocated pursuant to this section and that allocated pursuant to section 2-92-410 (Local Manufacture Incentive).

Bidders desiring to receive this incentive must submit an affidavit and other supporting documents demonstrating that the bidder satisfies all pertinent requirements.

The CPO may determine not to allocate a bid incentive under this section, under the following conditions:

- (i) an emergency exists;
- (ii) for cooperative purchasing or cooperative construction contracts; or
- (iii) the chief procurement officer otherwise concludes that the allocation of a bid incentive is not in the city's best interest.

The Contractor must maintain records adequate to monitor compliance with this section and submit such reports as required by the CPO. Full access to the Contractor's records shall be granted to the CPO, the Commissioner, the inspector general, or any duly authorized representative thereof. The Contractor and its subcontractors shall maintain all relevant records for a period of at least three years after the expiration of the Contract, unless the Contract generally requires records to be preserved for a longer period.

The CPO may require, at the time of bidding, at any time during bid evaluation or at any time during the term of the Contract, that bidder/contractor and/or project area subcontractor submit affidavits and other supporting documents demonstrating that a subcontractor is a project-area subcontractor.

Upon completion of the work, any Contractor that has failed to retain the percentage of project-area subcontracts for which a bid incentive was taken into consideration in awarding of a contract shall be fined an amount equal to three times the amount of the bid incentive allocated, unless the Contractor can demonstrate that due to circumstances beyond the Contractor's control, the Contractor for good cause was unable to retain the percentage of project-area subcontractors throughout the duration of the contract term.

J. Bid Incentive to Encourage Diverse Management and Workforce (MCC 2-92-407)

For purposes of this section only, the following definitions shall apply:

"Contract" means the contract, purchase order or agreement awarded by the City and whose cost is to be paid from funds belonging to or administered by the City; provided that the term "Contract" does not include: (i) a delegate agency contract; (ii) a lease of real property; or (iii) a collective bargaining agreement.

"Diverse" means any of the following racial or ethnic groups:

- A. African-Americans or Blacks (persons having origins in any of the Black racial groups of Africa);
- B. Hispanics (persons of Spanish culture with origins in Mexico, South or Central America or the Caribbean Islands, regardless of race);
- C. Asian-Americans (persons having origins in any of the original peoples of East Asia, Southeast Asia, the Indian subcontinent, or the Pacific Islands); and
- D. American Indian, which includes persons having origins in any of the original peoples of North and South America (including Central America) and who maintain tribal affiliation or community attachment; and

- E. Other groups, or other individuals, found by the board to be socially and economically disadvantaged and to have suffered actual racial, ethnic or gender discrimination and decreased opportunities to compete in Chicago area markets or to do business with the City.

“Prime Contractor” means the Contractor and does not include any subcontractors, except that for the purposes of determining a joint venture Prime Contractor’s Workforce, the Workforce of joint venture members may be considered under certain circumstances as described in DPS’s rules regarding this incentive. These rules may be found on the DPS website.

“Management” means (A) business owners, including all shareholders and partners; (B) directors and officers or managers as contemplated under 805 ILCS 5/Art. 8, 805 ILCS 180 or 805 ILCS 185, or similar business organization statute applicable to the business, or (C) key employees performing executive level functions including making significant discretionary, policy or operational decisions affecting the company. To determine whether an employee is in a Management role, an analysis of the employee’s actual job duties (rather than merely stated job duties) will be conducted. “Management” does not mean registered agents who are not also employees. It does not mean independent contractors who would have a fiduciary duty to the business such as accountants and tax advisors, attorneys, or any other non-employees except those set out in (B) or (C) above.

“Workforce” means all who are employed by Contractor in a permanent, full-time employment capacity.

Unless otherwise prohibited by any federal, state or local law, for any contract having an estimated contract value of \$100,000 or more advertised, or if not advertised awarded by competitive bid, the CPO shall allocate to any qualifying bidder the following bid incentive for diverse management and diverse workforce:

Total % of Contractor Management That Is Diverse	Bid Incentive
10% to 20%	0.5% of the contract base bid
Greater than 20% up to 40%	2% of the contract base bid
Greater than 40%	4% of the contract base bid
Total % of Contractor Workforce That Is Diverse	Bid Incentive
10% to 20%	2% of the contract base bid
Greater than 20% up to 40%	4% of the contract base bid
Greater than 40%	6% of the contract base bid

A Prime Contractor may qualify for and apply both the diverse management and diverse workforce bid incentives.

The bid incentive is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the Contract price.

The Prime Contractor shall maintain records adequate to monitor compliance with this section and shall submit such reports as required by the CPO. Full access to the Prime Contractor's records shall be granted to the CPO, the Commissioner of the supervising department, the Inspector General, or any duly authorized representative thereof. The Prime Contractor shall maintain all relevant records for a period of no less than three years after the expiration of the Contract.

At the time of bid, bidders seeking to take advantage of this bid incentive must submit the relevant affidavit(s), including any supplemental information required by such affidavit(s), including in this bid package. Failure to submit the affidavit(s), including all supplemental information required by such affidavit(s), with the bid will render the bidder ineligible for this incentive.

The CPO may require, at the time of submission of a bid or at any time during the term of the Contract, that the bidder or Prime Contractor submit an affidavit and other supporting documents demonstrating that the bidder or Prime Contractor is eligible for the diverse management and/or diverse workforce bid incentives.

Upon completion of the work, any Prime Contractor that has failed to retain the percentage of diverse management and/or diverse workforce for which a bid incentive was taken into consideration in awarding of a contract shall be fined in an amount equal to three times the amount of the bid incentive allocated, unless the Prime Contractor can demonstrate that due to circumstances beyond the Prime Contractor's control, the Prime Contractor for good cause was unable to retain the percentage of diverse management and/or diverse workforce throughout the duration of the Contract period.

XXIII. MISCELLANEOUS

A. Counterparts

This Contract is comprised of several identical counterparts, each to be fully executed by the parties and each to be deemed an original having identical legal effect.

B. Modifications

No changes, modifications, cancellation, or discharge of this Contract, or any part of it, is valid unless in writing and signed by the parties to it, or their respective successors and assigns.

C. No Waiver of Legal Rights

1. The City will not be precluded or estopped from showing the true amount and character of the Work performed and materials furnished by you, or from showing that any measurement, estimate, or certificate is untrue or incorrectly made, or that the Work or materials do not conform in fact to the Contract. The City will not be precluded or estopped from recovering from you and your sureties such damages as the City may sustain by reason of your failure to comply with the terms of the Contract.
2. Neither the acceptance by the City, or any representative of the City, nor any payment for or acceptance of the whole or any part of the Work, nor any extension of time, nor any possession taken by the City, will operate as a waiver by the City of any portion of the Contract, or of any power reserved in it or any right of the City to damages provided in it. A waiver of any breach of the Contract does not constitute a waiver of any other or subsequent breach.
3. Miscellaneous Provisions: Whenever under this Contract, the City by a proper authority waives your performance in any respect or waives a requirement or condition to either the City's or your performance, the waiver so granted, whether express or implied, only applies to the particular instance and is not deemed a waiver forever or for subsequent instance of the performance, requirement, or condition. No such waiver may be construed as a modification of this Contract regardless of the number of times the City may have waived the performance, requirement, or condition.

D. Governing Law

This Contract is governed in accordance with the laws of the State of Illinois without regard to choice of law principles. You irrevocably submit, and will cause your Subcontractors to submit, to the original jurisdiction of those State or Federal courts located within the County of Cook, State of Illinois, with regard to any controversy arising out of, relating to, or in any way concerning the execution or performance of this Contract. You consent to service of process on you, at the option of the City, either by registered or certified mail addressed to the applicable office as provided for in this Contract, by registered or certified mail addressed to the office actually maintained by you, or by personal delivery on any of your officers, directors, or managing or general agents.

E. Consent to Service of Process and Jurisdiction

All judicial proceedings brought against you with respect to this Contract may be brought in (i) any court of the State of Illinois of competent jurisdiction; and (ii) any Federal court of competent jurisdiction located within the boundaries of the Federal court district of the Northern District of Illinois, and by execution and delivery of this Contract, you accept, for yourself and in connection with your properties, generally and unconditionally, the exclusive jurisdiction of those courts, and irrevocably agree to be bound by any final judgment rendered by them from which no appeal has been taken or is available. You designate and appoint the representative identified on the signature page to this Contract under the heading "Designation of Agent for Service Process" as your agent in Chicago, Illinois to receive on your behalf service of all process in any such proceedings in the court (which representative must be available to receive the service at all times), the service being acknowledged by the representative to effective and binding service in every respect. The agent may be changed only upon the giving of written notice by you to the City of the name and address of a new Agent for Service of Process who works within the geographical boundaries of the City of Chicago and is retained or employed by you. You irrevocably waive any objection (including any objection of the laying of venue or based on the grounds of *forum non conveniens*) which you may now or later have to bring any action or proceeding with respect to this Contract in the jurisdiction set forth above. Nothing in this section affects the right to serve process in any other manner permitted by law or limits the right of the City to bring proceedings against you in the courts of any other jurisdiction.

F. Contractor Cooperation

You must act in good faith in the performance of this Contract and co-operate with the City and any other City contractors at the site to assure timely completion of the Work. You must implement such measures as may be necessary to ensure that your staff and your Subcontractors are bound by the provisions of this Contract.

G. Joint and Several Liability

If you, or your successors or assigns, if any, are comprised of more than one individual or other legal entity (or a combination of them), then each and every obligation or undertaking stated in this Contract that you are to fulfill or perform is the joint and several obligation or undertaking of each such individual or other legal entity.

H. No Third Party Beneficiaries

Except as may otherwise be provided in this Contract, this Contract is solely for the benefit of the parties and nothing in this Contract is intended to create any third party beneficiary rights for Subcontractors or other third parties.

I. Notices

Notices, unless expressly provided for otherwise in this Contract, must be in writing and must be delivered personally or by placing in the United States mail, first class and certified, return receipt requested, with postage prepaid and addressed as follows:

1. If to the City: Commissioner, (Addresses of Department set forth in Book Two)

2. With Copies to: The Chief Procurement Officer, City Hall, 121 North LaSalle, Room 403, Chicago, IL 60602;
3. If to you: The address identified on your Proposal; and
4. With Copies to: Your bonding company.

Notices delivered by mail are deemed effective three days after mailing in accordance with this Section. Notices delivered personally are deemed effective upon receipt. Refusal to accept notice has the same effect as if notice were delivered. The addresses stated in this Contract may be revised without need for modification or amendment of this Contract, as long as written notification is given in accordance with this Section.

J. Authority

1. Contractor: Your execution of this Contract is authorized and signature(s) of each person signing on your behalf has been made with complete and full authority to commit you to all terms and conditions of this Contract, including every representation, certification, and warranty contained in it, attached to it and collectively incorporated by reference in it, or that may be required by the terms and conditions of this Contract. If other than a sole proprietorship, you must provide satisfactory evidence that the execution of the Contract is authorized in accordance with the business entities rules and procedures.
2. Consents and Approvals: Unless otherwise expressly stated in this Contract, any consents and approvals to be given by the City are made by the Commissioner.

K. Software License Agreements

The City reserves the right to negotiate software license agreements directly with the software supplier.

XXIV. SPECIAL CONDITIONS REGARDING MINORITY OWNED BUSINESS ENTERPRISE COMMITMENT, WOMEN OWNED BUSINESS ENTERPRISE COMMITMENT, AND VETERAN OWNED BUSINESS ENTERPRISE COMMITMENT IN CONSTRUCTION CONTRACTS

I. Policy and Terms

As set forth in 2-92-650 *et seq.* of the Municipal Code of Chicago (MCC) it is the policy of the City of Chicago that businesses certified as Minority-owned Business Enterprises (MBEs) and Women-owned Business Enterprises (WBEs) in accordance with Section 2-92-420 *et seq.* of the MCC and Regulations Governing Certification of Minority and Women-owned Businesses, and all other Regulations promulgated under the aforementioned sections of the Municipal Code, as well as MBEs and WBEs certified by Cook County, Illinois, shall have full and fair opportunities to participate fully in the performance of this contract. Therefore, bidders shall not discriminate against any person or business on the basis of race, color, national origin, or sex, and shall take affirmative actions to ensure that MBEs and WBEs shall have full and fair opportunities to compete for and perform subcontracts for supplies or services.

Under the City's MBE/WBE Construction Program as set forth in MCC 2-92-650 *et seq.*, the program-wide aspirational goals are 26% Minority Owned Business Enterprise participation and 6% Women Owned Business Enterprise participation.

Pursuant to Section 2-92-955 of the Municipal Code of Chicago, the Chief Procurement Officer is authorized to establish a contract-specific participation goal to veteran-owned business enterprises (VBEs), as defined in Section 2-92-920 of the Municipal Code of Chicago, if the contract has an estimated value in excess of \$10,000, and there are least three VBEs in each of one or more areas of specialty germane to the contract, and the contract-specific goal is not more than 3% of the contract's value.

Pursuant to MCC 2-92-535, the prime contractor may apply be awarded an additional 0.5 percent credit, up to a maximum of a total of 5 percent additional credit, for every 1 percent of the value of a contract self-performed by MBEs or WBEs, or combination thereof, that have entered into a mentoring agreement with the contractor or subcontractor-to-subcontractor mentoring agreement. This up to 5% may be applied to the Contract Specific Goals, or it may be in addition to the Contract Specific Goals.

As provided in Section 2-92-720(e), Diversity Credit Program credits awarded by the City's affirmative action advisory board may also be applied to the contract specific goals.

Failure to carry out the commitments and policies set forth herein shall constitute a material breach of the contract and may result in the termination of the contract or such remedy as the City of Chicago deems appropriate.

Contract Specific Goals and Bids

A bid may be rejected as non-responsive if it fails to submit one or more of the following with its bid demonstrating its good faith efforts to meet the Contract Specific Goals by reaching out to MBEs, WBEs, and VBEs to perform work on the contract:

- A. An MBE/WBE compliance plan demonstrating how the bidder plans to meet the Contract Specific Goals (Schedule D);
- B. A VBE compliance plan demonstrating how the bidder plans to meet the VBE Contract Specific Goals (Schedule D-V); and/or
- C. Documentation of Good Faith Efforts (Schedule H).

If a bidder's compliance plan falls short of the Contract Specific Goals, the bidder must include either a Schedule H demonstrating that it has made Good Faith Efforts to find MBE, WBE, and VBE firms to participate or a request for a reduction or waiver of the goals.

Accordingly, the bidder or contractor commits to make good faith efforts to expend at least the following percentages of the total contract price (inclusive of any and all modifications and amendments), if awarded the contract:

MBE Contract Specific Goal: [SEE BOOK 2]
WBE Contract Specific Goal: [SEE BOOK 2]
VBE Contract Specific Goal: [SEE BOOK 2]

This Contract Specific Goal provision shall supersede any conflicting language or provisions that may be contained in this document.

For purposes of evaluating the bidder's responsiveness, the MBE, WBE, and VBE Contract Specific Goals shall be percentages of the bidder's total base bid. However, the MBE, WBE, and VBE Contract Specific Goals shall apply to the total value of this contract, including all amendments and modifications.

Contract Specific Goals and Contract Modifications

1. The MBE, WBE, and VBE Contract Specific Goals established at the time of contract bid shall also apply to any modifications to the Contract after award. That is, any additional work and/or money added to the Contract must also adhere to these Special Conditions requiring Contractor to (sub)contract with MBEs, WBEs, and VBEs to meet the Contract Specific Goals.
 - a. Contractor must assist the Construction Manager or user Department in preparing its "proposed contract modification" by evaluating the subject matter of the modification and determining whether there are opportunities for MBE, WBE, or VBE participation and at what rates.
 - b. Contractor must produce a statement listing the MBEs/WBEs/VBEs that will be utilized on any contract modification. The statement must include the percentage of utilization of the firms. If no MBE/WBE/VBE participation is available, an explanation of good faith efforts to obtain participation must be included.
2. The Chief Procurement Officer shall review each proposed contract modification and amendment that by itself or aggregated with previous modification/amendment requests, increases the contract value by ten percent (10%) of the initial award, or \$50,000, whichever is less, for opportunities to increase the participation of MBEs or WBEs already involved in the Contract.

II. Definitions

“Area of Specialty” means the description of a MBE’s, WBE’s, or VBE’s activity that has been determined by the Chief Procurement Officer to be most reflective of the firm’s claimed specialty or expertise. Each MBE, WBE, and VBE letter of certification contains a description of the firm’s Area of Specialty. Credit toward the Contract Specific Goals shall be limited to the participation of firms performing within their Area of Specialty. The Department of Procurement Services does not make any representation concerning the ability of any MBE, WBE, or VBE to perform work within its Area of Specialty. It is the responsibility of the bidder or contractor to determine the capability and capacity of MBEs, WBEs, and VBEs to perform the work proposed.

“Broker” means a person or entity that fills orders by purchasing or receiving supplies from a third party supplier rather than out of its own existing inventory and provides no commercially useful function other than acting as a conduit between his or her supplier and his or her customer.

“Chief Procurement Officer” or “CPO” means the chief procurement officer of the City of Chicago or his or her designee.

“Commercially Useful Function” means responsibility for the execution of a distinct element of the work of the contract, which is carried out by actually performing, managing, and supervising the work involved, evidencing the responsibilities and risks of a business owner such as negotiating the terms of (sub)contracts, taking on a financial risk commensurate with the contract or its subcontract, responsibility for acquiring the appropriate lines of credit and/or loans, or fulfilling responsibilities as a joint venture partner as described in the joint venture agreement.

“Construction Contract” means a contract, purchase order or agreement (other than lease of real property) for the construction, repair, or improvement of any building, bridge, roadway, sidewalk, alley, railroad or other structure or infrastructure, awarded by any officer or agency of the City, other than the City Council, and whose cost is to be paid from City funds.

“Contract Specific Goals” means the subcontracting goals for MBE, WBE, and VBE participation established for a particular contract.

“Contracting Equity Officer” means the Contracting Equity Officer of the Office of Contracting Equity.

“Contractor” means any person or business entity that has entered into a construction contract with the City, and includes all partners, affiliates and joint ventures of such person or entity.

“Directory” means the Directory of Certified Firms maintained and published by the Chief Procurement Officer. The Directory identifies firms that have been certified as MBEs, WBEs, and VBEs, and includes the date of their last certifications and the areas of specialty in which they have been certified. Bidders and contractors are responsible for verifying the current certification status of all proposed MBE, WBE, and VBE firms.

“Good Faith Efforts” means actions undertaken by a bidder or contractor to achieve a Contract Specific Goal that, by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program’s requirements.

“Joint venture” means an association of a MBE, WBE, or VBE firm and one or more other firms to carry out a single, for-profit business enterprise, for which each joint venture partner contributes property, capital, efforts, skills and knowledge, and in which the MBE, WBE, or VBE is responsible for a distinct, clearly defined portion of the work of the contract and whose share in the capital contribution, control, management, risks, and profits of the joint venture are commensurate with its ownership interest.

"Mentor-Protégé Agreement" means an agreement between a prime and MBE or WBE subcontractor ("Mentoring Agreement"), or an agreement between a prime's subcontractor and MBE or WBE subcontractor ("Subcontractor-to-Subcontractor Mentoring Agreement"), pursuant to MCC 2-92-535, that is approved by the City of Chicago and complies with all requirements of MCC 2-92-535 and any rules and regulations promulgated by the Chief Procurement Officer.

“Minority-owned Business Enterprise” or “MBE” means a firm awarded certification as a small, local minority owned and controlled business in accordance with City Ordinances and Regulations as well as a firm awarded certification as an MBE by Cook County, Illinois. However, it does not mean a firm that has been found ineligible or which has been decertified by the City or Cook County.

“Supplier” or “Distributor” refers to a company that owns, operates, or maintains a store, warehouse or other establishment in which materials, supplies, articles or equipment are bought, kept in stock and regularly sold or leased to the public in the usual course of business. A regular distributor or supplier is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for performance of the Contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a regular distributor the firm must engage in, as its principal business and in its own name, the purchase and sale of the products in question. A regular distributor in such bulk items as steel, cement, gravel, stone, and petroleum products need not keep such products in stock if it owns or operates distribution equipment.

“Veteran-owned Business Enterprise” or “VBE” means a firm awarded certification as a veteran-owned business enterprise in accordance with the City ordinances and Regulations. It does not mean a firm that has been found to be ineligible or which has been decertified by the City.

“Women Business Enterprise” or “WBE” means a firm awarded certification as a small, local women owned and controlled business in accordance with City Ordinances and Regulations as well as a firm awarded certification as a WBE by Cook County, Illinois. However, it does not mean a firm that has been found ineligible or which has been decertified by the City or Cook County.

III. Joint Ventures

The formation of joint ventures to provide MBEs, WBEs, and VBEs with capacity and experience at the prime contracting level, and thereby meet Contract Specific Goals (in whole or in part) is encouraged. A joint venture for MBE or WBE credit may consist of any combination of MBEs, WBEs, and non-certified firms as long as one member is an MBE

or WBE. A joint venture for VBE credit may consist of any combination of VBEs and non-certified firms as long as one member is a VBE.

A. The joint venture may be eligible for credit towards the Contract Specific Goals only if:

1. The MBE, WBE, or VBE joint venture partner's share in the capital contribution, control, management, risks and profits of the joint venture is equal to its ownership interest;
2. The MBE, WBE, or VBE joint venture partner is responsible for a distinct, clearly defined portion of the requirements of the contract for which it is at risk;
3. Each joint venture partner executes the bid to the City; and
4. The joint venture partners have entered into a written agreement specifying the terms and conditions of the relationship between the partners and their relationship and responsibilities to the contract, and all such terms and conditions are in accordance with the conditions set forth in Items 1, 2, and 3 above in this Paragraph A.

B. The Chief Procurement Officer shall evaluate the proposed joint venture agreement, the Schedule B submitted on behalf of the proposed joint venture, and all related documents to determine whether these requirements have been satisfied. The Chief Procurement Officer shall also consider the record of the joint venture partners on other City of Chicago contracts. The decision of the Chief Procurement Officer regarding the eligibility of the joint venture for credit towards meeting the Contract Specific Goals, and the portion of those goals met by the joint venture, shall be final.

The joint venture may receive MBE or WBE credit for work performed by the MBE or WBE joint venture partner(s) or VBE credit for work performed by VBE joint venture partners equal to the value of work performed by the MBE or WBE with its own forces for a distinct, clearly defined portion of the work.

Additionally, if employees of the joint venture entity itself (as opposed to employees of the MBE, WBE, or VBE partner) perform the work then the value of the work may be counted toward the Contract Specific Goals at a rate equal to the MBE, WBE, or VBE firm's percentage of participation in the joint venture as described in Schedule B.

The Chief Procurement Officer may also count the dollar value of work subcontracted to other MBEs, WBEs, and VBEs. Work performed by the forces of a non-certified joint venture partner shall not be counted toward the Contract Specific Goals.

C. Schedule B: MBE/WBE/VBE Affidavit of Joint Venture

Where the bidder's Compliance Plan includes the participation of any MBE, WBE, or VBE as a joint venture partner, the bidder must submit with its bid the appropriate Schedule B and the proposed joint venture agreement. These documents must both clearly evidence that the MBE, WBE, or VBE joint venture partner(s) will be responsible for a clearly defined portion of the work to be performed, and that the MBE's, WBE's, or VBE's responsibilities

and risks are proportionate to its ownership percentage. The proposed joint venture agreement must include specific details related to:

1. The parties' contributions of capital, personnel, and equipment and share of the costs of insurance and bonding;
2. Work items to be performed by the MBE's, WBE's, or VBE's own forces and/or work to be performed by employees of the newly formed joint venture entity;
3. Work items to be performed under the supervision of the MBE, WBE, or VBE joint venture partner; and
4. The MBE's, WBE's, or VBE's commitment of management, supervisory, and operative personnel to the performance of the contract.

NOTE: Vague, general descriptions of the responsibilities of the MBE, WBE, or VBE joint venture partner do not provide any basis for awarding credit. For example, descriptions such as "participate in the budgeting process," "assist with hiring," or "work with managers to improve customer service" do not identify distinct, clearly defined portions of the work. Roles assigned should require activities that are performed on a regular, recurring basis rather than as needed. The roles must also be pertinent to the nature of the business for which credit is being sought. For instance, if the scope of work required by the City entails the delivery of goods or services to various sites in the City, stating that the MBE, WBE, or VBE joint venture partner will be responsible for the performance of all routine maintenance and all repairs required to the vehicles used to deliver such goods or services is pertinent to the nature of the business for which credit is being sought.

IV. Counting MBE, WBE, and VBE Participation Towards the Contract Specific Goals

Refer to this section when preparing the MBE/WBE and VBE compliance plans and completing Schedule D-1 and D-V for guidance on what value of the participation by MBEs, WBEs, and VBEs will be counted toward the stated Contract Specific Goals. The "Percent Amount of Participation" depends on whether and with whom an MBE, WBE, or VBE subcontracts out any portion of its work and other factors.

Firms that are certified as both MBE and WBE, MBE and VBE, WBE and VBE, or any combination thereof may only be listed on a bidder's compliance plan as either a MBE, WBE, or a VBE to demonstrate compliance with the Contract Specific Goals. For example, a firm certified as both a MBE, or a WBE, or a VBE may only listed on the bidder's compliance plan under one of the categories, but not both or all three. Additionally, if a firm that is certified as both a MBE and a WBE, MBE and VBE, WBE and VBE or any combination thereof could not self-perform 100% of a contract, it would have to show good faith efforts to meet the Contract Specific Goals by including in its compliance plan work to be performed by another MBE, WBE, or VBE firm, depending on which certification that dual-certified firm chooses to count itself as.

- A. Only expenditures to firms that perform a **Commercially Useful Function** as defined above may count toward the Contract Specific Goals.
 1. The Chief Procurement Officer will determine whether a firm is performing a commercially useful function by evaluating the amount of work subcontracted,

whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the credit claimed for its performance of the work, industry practices, and other relevant factors.

2. A MBE, WBE, or VBE does not perform a commercially useful function if its participation is only required to receive payments in order to obtain the appearance of MBE, WBE, or VBE participation. The Chief Procurement Officer may examine similar commercial transactions, particularly those in which MBEs, WBEs, or VBEs do not participate, to determine whether non-MBE, non-WBE, and non-VBE firms perform the same function in the marketplace to make a determination.
- B. Only the value of the dollars paid to the MBE, WBE, or VBE firm for work that it performs in its **Area of Specialty** in which it is certified counts toward the Contract Specific Goals.

Only payments made to MBE, WBE, and VBE firms that meet BOTH the Commercially Useful Function and Area of Specialty requirements above will be counted toward the Contract Specific Goals.

- C. If the MBE, WBE, or VBE performs the work itself:
1. 100% of the value of work actually performed by the MBE's, WBE's, or VBE's own forces shall be counted toward the Contract Specific Goals, including the cost of supplies purchased or equipment leased by the MBE, WBE, or VBE from third parties or second tier subcontractors in order to perform its (sub)contract with its own forces. 0% of the value of work at the project site that a MBE, WBE, or VBE subcontracts to a non-certified firm counts toward the Contract Specific Goals
- D. If the MBE, WBE, or VBE is a manufacturer:
1. 100% of expenditures to an MBE, WBE, or VBE manufacturer for items needed for the Contract shall be counted toward the Contract Specific Goals. A manufacturer is a firm that operates or maintains a factory or establishment that produces on the premises the materials or supplies obtained by the bidder or contractor.
- E. If the MBE, WBE, or VBE is a distributor or supplier:
1. 60% of expenditures for materials and supplies purchased from an MBE, WBE, or VBE that is certified as a regular dealer or supplier shall be counted toward the Contract Specific Goals.
- F. If the MBE, WBE, or VBE is a broker:
1. 0% of expenditures paid to brokers will be counted toward the Contract Specific Goals.
 2. As defined above, Brokers provide no commercially useful function.
- G. If the MBE, WBE, or VBE is a member of the joint venture contractor/bidder:

1. A joint venture may count the portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the contract that the MBE, WBE, or VBE performs with its own forces toward the Contract Specific Goals.
 - i. OR if employees of this distinct joint venture entity perform the work then the value of the work may be counted toward the Contract Specific Goals at a rate equal to the MBE, WBE, or VBE firm's percentage of participation in the joint venture as described in Schedule B.
2. Note: a joint venture may also count the dollar value of work subcontracted to other MBEs, WBEs, and VBEs, however, work subcontracted out to non-certified firms may not be counted.

H. If the MBE, WBE, or VBE subcontracts out any of its work:

1. 100% of the value of the work subcontracted to other MBEs, WBEs, or VBEs performing work in its Area of Specialty may be counted toward the Contract Specific Goals.
2. 0% of the value of work that a MBE, WBE, or VBE subcontracts to a non-certified firm counts toward the Contract Specific Goals (except for the cost of supplies purchased or equipment leased by the MBE or WBE from third parties or second tier subcontractors in order to perform its (sub)contract with its own forces as allowed by C.1. above).
3. The fees or commissions charged by an MBE, WBE, or VBE for providing a *bona fide* service, such as professional, technical, consulting or managerial services or for providing bonds or insurance or the procurement of essential personnel, facilities, equipment, materials or supplies required for performance of the Contract, may be counted toward the Contract Specific Goals, provided that the fee or commission is determined by the Chief Procurement Officer to be reasonable and not excessive as compared with fees customarily allowed for similar services.
4. The fees charged for delivery of materials and supplies required on a job site by an MBE, WBE, or VBE (but not the cost of the materials and supplies themselves) when the hauler, trucker, or delivery service is not also the manufacturer of or a regular dealer in the materials and supplies, may be counted toward the Contract Specific Goals, provided that the fee is determined by the Chief Procurement Officer to be reasonable and not excessive as compared with fees customarily allowed for similar services.
5. The fees or commissions charged by an MBE, WBE, or VBE for providing any bonds or insurance, but not the cost of the premium itself, specifically required for the performance of the Contract, provided that the fee or commission is determined by the Chief Procurement Officer to be reasonable and not excessive as compared with fees customarily allowed for similar services.

V. Procedure to Determine Bid Compliance

The following Schedules and requirements govern the bidder's or contractor's MBE/WBE and VBE Proposal and must be submitted in accordance with the guidelines stated:

A. Schedule B: MBE/WBE/VBE Affidavit of Joint Venture

1. Where the bidder's Compliance Plan includes the participation of any MBE, WBE, or VBE as a joint venture partner, the bidder must submit with its bid the appropriate Schedule B and the proposed joint venture agreement. See Section III above for detailed requirements.

B. Schedule C: MBE/WBE Letter of Intent to Perform as a Subcontractor or Supplier

The bidder must submit the appropriate Schedule C with the bid for each MBE and WBE included on the Schedule D. Suppliers must submit the Schedule C for Suppliers, first tier subcontractors must submit a Schedule C for Subcontractors to the Prime Contractor and second or lower tier subcontractors must submit a Schedule C for second tier Subcontractors. Each Schedule C must accurately detail the work to be performed by the MBE or WBE and the agreed upon rates/prices. Each Schedule C must also include a separate sheet as an attachment on which the MBE or WBE fully describes its proposed scope of work, including a description of the commercially useful function being performed by the MBE or WBE in its Area of Specialty. If a facsimile copy of the Schedule C has been submitted with the bid, an executed original Schedule C must be submitted by the bidder for each MBE and WBE included on the Schedule D within five (5) business days after the date of the bid opening.

C. Schedule D: Compliance Plan Regarding MBE and WBE Utilization

The bidder must submit a Schedule D with the bid. An approved Compliance Plan is required before a contract may commence.

The Compliance Plan must commit to the utilization of each listed MBE and WBE. The bidder is responsible for calculating the dollar equivalent of the MBE and WBE Contract Specific Goals as percentages of the total base bid. All Compliance Plan commitments must conform to the Schedule Cs.

A bidder or contractor may not modify its Compliance Plan after bid opening except as directed by the Department of Procurement Services to correct minor errors or omissions. Bidders shall not be permitted to add MBEs or WBEs after bid opening to meet the Contract Specific Goals, however, contractors are encouraged to add additional MBE/WBE vendors to their approved compliance plan during the performance of the contract when additional opportunities for participation are identified. Except in cases where substantial, documented justification is provided, the bidder or contractor shall not reduce the dollar commitment made to any MBE or WBE in order to achieve conformity between the Schedule Cs and Schedule D. All terms and conditions for MBE and WBE participation on the contract must be negotiated and agreed to between the bidder or contractor and the MBE or WBE prior to the submission of the Compliance Plan. If a proposed MBE or WBE ceases to be available after submission of the Compliance Plan, the bidder or contractor must comply with the provisions in Section VII.

D. Letters of Certification

A copy of each proposed MBE's and WBE's Letter of Certification from the City of Chicago or Cook County, Illinois, must be submitted with the bid. Letters of Certification includes a statement of the MBE's or WBE's area(s) of specialty. The MBE's or WBE's scope of work as detailed in the Schedule C must conform to its area(s) of specialty. Where a MBE or WBE is proposed to perform work not covered by its Letter of Certification, the MBE or WBE must request the addition of a new area at least 30 calendar days prior to the bid opening.

E. The following Schedules and described documents constitute the bidder's VBE proposal, and must be submitted in accordance with the guidelines stated:

- (1) Schedule C-V: Letter of Intent from VBE to Perform as Subcontractor, Supplier and/or Consultant.

The bidder must submit the appropriate Schedule C-V with the bid for each VBE included on the Schedule D-V. Suppliers must submit the Schedule C-V for Suppliers, first tier subcontractors must submit a Schedule C-V for Subcontractors to the Prime Contractor and second or lower tier subcontractors must submit a Schedule C-V for second tier Subcontractors. Each Schedule C-V must be executed by each VBE and accurately detail the work to be performed by the VBE and the agreed upon rates/prices. Each Schedule C must also include a separate sheet as an attachment on which the VBE fully describes its proposed scope of work, including a description of the commercially useful function being performed by the VBE in its Area of Specialty. If a facsimile copy of the Schedule C-V has been submitted with the bid, an executed original Schedule C-V must be submitted by the bidder for each VBE included on the Schedule D-V within five business days after the date of the bid opening.

Failure to submit a completed Schedule C-V in accordance with this section shall entitle the City to deem the bid/proposal non-responsive and therefore reject the bid/proposal.

- (2) Letters of Certification.

A copy of each proposed VBE firm's current VBE Letter of Certification from 1) the City certifying the firm as a VBE, 2) Cook County certifying the firm as a VBE, 3) the State of Illinois certifying the firm as a qualified service-disabled veteran-owned small business or qualified veteran-owned small business pursuant to 30 ILCS 500/45-57 or 4) the United State Department of Veterans Affairs approving the firm as a service-disabled veteran-owned small business or veteran-owned small business must be submitted with the bid/proposal. All VBE Letters of Certification issued by the City of Chicago include a statement of the VBE firm's Area of Specialty. The VBE firm's scope of work, as detailed by their Schedule C-V, must conform to their stated Area of Specialty. Letters of Certification for VBEs that the City has found to be ineligible or decertified will not be accepted.

- (3) Schedule B: Affidavit of Joint Venture, and Joint Venture Agreements (if applicable).

If the bidder's VBE proposal includes the participation of a VBE as joint venture on any tier (either as the bidder or as a subcontractor), the bidder must provide a copy of the joint venture agreement and a Schedule B along with all other requirements listed in Article III, "Joint Ventures," above. In order to demonstrate the VBE partner's share in the ownership, control, management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details related to: (1) contributions of capital and equipment; (2) work responsibilities or other performance to be undertaken by the VBE; and (3) the commitment of management, supervisory and operative personnel employed by the VBE to be dedicated to the performance of the contract. The joint venture agreement must also clearly define each partner's authority to contractually obligate the joint venture and each partner's authority to expend joint venture funds (e.g., check signing authority).

- (4) Schedule D-V: Required Schedules Regarding VBE Utilization

Bidders must submit, together with the bid, a completed Schedule D-V committing them to the utilization of each listed VBE firm. Except in cases where the bidder has submitted a request for a complete waiver of or variance from the VBE commitment in accordance with the provisions herein, the bidder must commit to the expenditure of a specific dollar amount of participation by each VBE firm included on their Schedule D-V. The total dollar commitment to proposed VBEs must at least equal the VBE goal. Bidders are responsible for calculating the dollar equivalent of the VBE goals as percentages of their total base bids or in the case of Term Agreements, depends upon requirements agreements and blanket agreements, as percentages of the total estimated usage. All commitments made by the bidder's Schedule D-V must conform to those presented in the submitted Schedule C-V. If Schedule C-V is submitted after the opening, the bidder may submit a revised Schedule D-V (executed and notarized to conform with the Schedules C-V). Bidders shall not be permitted to add VBEs after bid opening to meet the Contract Specific Goals, however, contractors are encouraged to add additional VBE vendors to their approved compliance plan during the performance of the contract when additional opportunities for participation are identified. Except in cases where substantial and documented justification is provided, as determined by the Chief Procurement Officer in her sole discretion, bidders will not be allowed to reduce the dollar commitment made to any VBE in order to achieve conformity between the Schedules C-V and D-V.

All commitments for joint venture agreements must be delineated in the Schedule B.

F. Schedule F: Report of Subcontractor Solicitations

- A Schedule F must be submitted with the bid, documenting all subcontractors and suppliers solicited for participation on the contract by the bidder. Failure to submit the Schedule F may render the bid non-responsive.

G. Schedule H: Documentation of Good Faith Efforts

1. If a bidder determines that it is unable to meet the Contract Specific Goals, it must document its good faith efforts to do so, including the submission of its Schedule H.
2. If the bidder submits a Compliance Plan indicating that the bidder will meet the Contract Specific Goals, and, after review of the bidder's Compliance plan, the City determines that the bidder has not met the Contract Specific Goals, in full or in part, the bidder must submit its Schedule H no later than three business days after notification by the Chief Procurement Officer of its status as the apparent lowest bidder. Failure to submit a complete Schedule H will cause the bid to be rejected as non-responsive.
3. Documentation must include but is not necessarily limited to:
 - a. A detailed statement of efforts to identify and select portions of work identified in the bid solicitation for subcontracting to MBEs, WBEs, and VBEs;
 - b. A listing of all MBEs, WBEs, and VBEs contacted for the bid solicitation that includes:
 - i. Names, addresses, emails and telephone numbers of firms solicited;
 - ii. Date and time of contact;
 - iii. Person contacted;
 - iv. Method of contact (letter, telephone call, facsimile, electronic mail, etc.).
 - c. Evidence of contact, including:
 - i. Project identification and location;
 - ii. Classification/commodity of work items for which quotations were sought;
 - iii. Date, item, and location for acceptance of subcontractor bids;
 - iv. Detailed statements summarizing direct negotiations with appropriate MBEs, WBEs, and VBEs for specific portions of the work and indicating why agreements were not reached.
 - v. Bids received from all subcontractors.
 - d. Documentation of bidder or contractor contacts with at least one of the Assist Agencies. The current list of Assist Agencies can be found on the DPS website.
- H. Agreements between a bidder or contractor and an MBE, WBE, or VBE in which the MBE, WBE, or VBE promises not to provide subcontracting quotations to other bidders or contractors are prohibited.
- I. Prior to award, the bidder agrees to promptly cooperate with the Department of Procurement Services in submitting to interviews, allowing entry to places of business, providing further documentation, or soliciting the cooperation of a proposed MBE, WBE, or VBE. Failure to cooperate may render the bid non-responsive.

- J. If the City determines that the Compliance Plan contains minor errors or omissions, the bidder or contractor must submit a revised Compliance Plan within five (5) business days after notification by the City that remedies the minor errors or omissions. Failure to correct all minor errors or omissions may result in the determination that a bid is non-responsive.
- K. No later than three (3) business days after receipt of the executed contract, the contractor must execute a complete subcontract agreement or purchase order with each MBE and WBE listed in the Compliance Plan, and provide copies of each subcontract agreement or purchase order to the Department of Procurement Services upon request.
- L. Any applications for City approval of a Mentor Protégé agreement must be included with the bid. If the application is not approved, the bidder must show that it has made good faith efforts to meet the contract specific goals.

VI. Demonstration of Good Faith Efforts

- A. In evaluating the Schedule H to determine whether the bidder or contractor has made good faith efforts, the performance of other bidders or contractors in meeting the goals may be considered.
- B. The Chief Procurement Officer shall consider, at a minimum, the bidder's efforts to:
 - 1. Solicit through reasonable and available means at least 50% (or at least five when there are more than eleven certified firms in the commodity area) of the appropriate MBE/WBE/VBE firms certified in the anticipated scopes of subcontracting of the contract, as documented by the Schedule H. Bidder must solicit MBEs, WBEs, and VBEs no later than seven days before the date bids are due in order to count the solicitation as part of its good faith efforts showing. The bidder or contractor must take appropriate steps to follow up initial solicitations with interested MBEs, WBEs, or VBEs.
 - 2. Advertise the contract opportunities in media and other venues oriented toward MBEs, WBEs, and VBEs.
 - 3. Provide interested MBEs, WBEs, or VBEs with adequate information about the plans, specifications, and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
 - 4. Negotiate in good faith with interested MBEs, WBEs, or VBEs that have submitted bids. That there may be some additional costs involved in soliciting and using MBEs, WBEs, and VBEs is not a sufficient reason for a bidder's failure to meet the Contract Specific Goals, as long as such costs are reasonable.
 - 5. Not reject MBEs, WBEs, or VBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The MBE's, WBE's, or VBE's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations are not legitimate causes for rejecting or not soliciting bids to meet the Contract Specific Goals.

6. Make a portion of the work available to MBE, WBE, or VBE subcontractors and suppliers and selecting those portions of the work or material consistent with the available MBE, WBE, or VBE subcontractors and suppliers, so as to facilitate meeting the Contract Specific Goals.
 7. Provide subcontracting opportunities for MBEs, WBEs, and VBEs, despite the ability or desire of a bidder or contractor to perform the work of a contract with its own organization. A bidder or contractor who desires to self-perform the work of a contract must demonstrate good faith efforts unless the Contract Specific Goals have been met.
 8. Select portions of the work to be performed by MBEs, WBEs, or VBEs in order to increase the likelihood that the goals will be met. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE, WBE, or VBE participation, even when the bidder or contractor might otherwise prefer to perform these work items with its own forces.
 9. Make efforts to assist interested MBEs, WBEs, or VBEs in obtaining bonding, lines of credit, or insurance as required by the City or bidder or contractor.
 10. Make efforts to assist interested MBEs, WBEs, or VBEs in obtaining necessary equipment, supplies, materials, or related assistance or services; and
 11. Effectively use the services of the City; minority or women community organizations; minority or women assistance groups; local, state, and federal minority or women business assistance offices; and other organizations to provide assistance in the recruitment and placement of MBEs, WBEs, or VBEs.
- C. If the bidder disagrees with the City's determination that it did not make good faith efforts, the bidder may file a protest pursuant to the Department of Procurement Services Solicitation and Contracting Process Protest Procedures within 10 business days of a final adverse decision by the Chief Procurement Officer.

VII. Changes to Compliance Plan

- A. No changes to the Compliance Plan or contractual MBE, WBE, and VBE commitments or substitution of MBE, WBE, or VBE subcontractors may be made without the prior written approval of the Chief Procurement Officer. Unauthorized changes or substitutions, including performing the work designated for an MBE, WBE, or VBE subcontractor with the contractor's own forces, shall be a violation of these Special Conditions and a breach of the contract with the City, and may cause termination of the executed Contract for breach, and/or subject the bidder or contractor to contract remedies or other sanctions. The facts supporting the request for changes must not have been known nor reasonably could have been known by the parties prior to entering into the subcontract. Bid shopping is prohibited. The bidder or contractor must negotiate with the subcontractor to resolve the problem. If

requested by either party, the Department of Procurement Services shall facilitate such a meeting. Where there has been a mistake or disagreement about the scope of work, the MBE, WBE, or VBE can be substituted only where an agreement cannot be reached for a reasonable price for the correct scope of work.

- B. Substitutions of a MBE, WBE, or VBE subcontractor shall be permitted only on the following basis:
 - 1. Unavailability after receipt of reasonable notice to proceed;
 - 2. Failure of performance;
 - 3. Financial incapacity;
 - 4. Refusal by the subcontractor to honor the bid or proposal price or scope;
 - 5. Mistake of fact or law about the elements of the scope of work of a solicitation where a reasonable price cannot be agreed;
 - 6. Failure of the subcontractor to meet insurance, licensing or bonding requirements;
 - 7. The subcontractor's withdrawal of its bid or proposal; or
 - 8. De-certification of the subcontractor as an MBE, WBE, or VBE. (Graduation from the MBE/WBE or VBE program does not constitute de-certification.)
 - 9. Termination of a Mentor-Protégé Agreement.
- C. If it becomes necessary to substitute an MBE, WBE, or VBE or otherwise change the Compliance Plan, the procedure will be as follows:
 - 1. The bidder or contractor must notify the Chief Procurement Officer in writing of the request to substitute a MBE, WBE, or VBE or otherwise change the Compliance Plan. The request must state specific reasons for the substitution or change. A letter from the MBE, WBE, or VBE to be substituted or affected by the change stating that it cannot perform on the contract or that it agrees with the change in its scope of work must be submitted with the request.
 - 2. The City will approve or deny a request for substitution or other change within 15 business days of receipt of the request. Contractor must notify the City if substitution must occur immediately due to operational emergency so that requests for substitution or change may be timely given.

3. Where the bidder or contractor has established the basis for the substitution to the satisfaction of the Chief Procurement Officer, it must make good faith efforts to meet the Contract Specific Goal by substituting an MBE, WBE, or VBE subcontractor. Documentation of a replacement MBE, WBE, or VBE, or of good faith efforts, must meet the requirements in sections V and VI. If the MBE, WBE, or VBE Contract Specific Goal cannot be reached and good faith efforts have been made, as determined by the Chief Procurement Officer, the bidder or contractor may substitute with a non-MBE, non-WBE, or non-VBE.
 4. If a bidder or contractor plans to hire a subcontractor for any scope of work that was not previously disclosed in the Compliance Plan, the bidder or contractor must obtain the approval of the Chief Procurement Officer to modify the Compliance Plan and must make good faith efforts to ensure that MBEs, WBEs, or VBEs have a fair opportunity to bid on the new scope of work.
 5. A new subcontract must be executed and submitted to the Chief Procurement Officer within five business days of the bidder's or contractor's receipt of City approval for the substitution or other change.
- D. The City shall not be required to approve extra payment for escalated costs incurred by the contractor when a substitution of subcontractors becomes necessary to comply with MBE/WBE/VBE contract requirements.

VIII. Reporting and Record Keeping

- A. During the term of the contract, the Contractor and its non-certified subcontractors must submit partial and final waivers of lien from MBE, WBE, and VBE subcontractors that show the accurate cumulative dollar amount of subcontractor payments made to date. Upon acceptance of the Final Quantities from the City of Chicago, FINAL certified waivers of lien from the MBE, WBE, and VBE subcontractors must be attached to the contractor's acceptance letter and forwarded to the Department of Procurement Services, Attention: Chief Procurement Officer.
- B. The Contractor will be responsible for reporting payments to all subcontractors on a monthly basis in the form of an electronic audit. Upon the first payment issued by the City of Chicago to the contractor for services performed, on the first day of each month and every month thereafter, email and/or fax audit notifications will be sent out to the contractor with instructions to report payments that have been made in the prior month to each MBE, WBE, and VBE. The reporting of payments to all subcontractors must be entered into the Certification and Compliance Monitoring System (C2), or whatever reporting system is currently in place, on or before the fifteenth (15th) day of each month.
- C. Once the prime contractor has reported payments made to each MBE, WBE, and VBE, including zero dollar amount payments, the MBE, WBE, or VBE will receive an email and/or fax notification requesting them to log into the system and confirm payments received. All monthly confirmations must be reported on or before the 20th day of each month. Contractor and subcontractor reporting to the C2 system must be completed by the 25th of each month or payments may be withheld.

- D. All subcontract agreements between the contractor and MBE/WBE/VBE firms or any first tier non-certified firm and lower tier MBE/WBE/VBE firms must contain language requiring the MBE/WBE/VBE to respond to email and/or fax notifications from the City of Chicago requiring them to report payments received for the prime or the non-certified firm.

Access to the Certification and Compliance Monitoring System (C2), which is a web based reporting system, can be found at: <http://chicago.mwdbe.com>

- E. The Chief Procurement Officer or any party designated by the, Chief Procurement Officer shall have access to the contractor's books and records, including without limitation payroll records, tax returns and records and books of account, to determine the contractor's compliance with its commitment to MBE, WBE, and VBE participation and the status of any MBE, WBE, or VBE performing any portion of the contract. This provision shall be in addition to, and not a substitute for, any other provision allowing inspection of the contractor's records by any officer or official of the City for any purpose.
- F. The contractor shall maintain records of all relevant data with respect to the utilization of MBEs, WBEs, and VBEs, retaining these records for a period of at least five years after final acceptance of the work. Full access to these records shall be granted to City, federal or state authorities or other authorized persons.

IX. Non-Compliance

- A. Without limitation, the following shall constitute a material breach of this contract and entitle the City to declare a default, terminate the contract, and exercise those remedies provided for in the contract at law or in equity: (1) failure to demonstrate good faith efforts; and (2) disqualification as a MBE, WBE, or VBE of the contractor or any joint venture partner, subcontractor or supplier if its status as an MBE, WBE, or VBE was a factor in the award of the contract and such status was misrepresented by the contractor.
- B. Payments due to the contractor may be withheld until corrective action is taken.
- C. Pursuant to 2-92-740, or 2-92-955, as applicable, remedies or sanctions may include disqualification from contracting or subcontracting on additional City contracts for up to three years, and the amount of the discrepancy between the amount of the commitment in the Compliance Plan, as such amount may be amended through change orders or otherwise over the term of the contract, and the amount paid to MBEs or WBEs. The consequences provided herein shall be in addition to any other criminal or civil liability to which such entities may be subject.
- D. The contractor shall have the right to protest the final determination of non-compliance and the imposition of any penalty by the Chief Procurement Officer pursuant to 2-92-740 of the Municipal Code of the City of Chicago, within 15 business days of the final determination.

X. Arbitration

If the City determines that a contractor has not made good faith efforts to fulfill its Compliance Plan, the affected MBE, WBE, or VBE may recover damages, suffered by such entity as a result of being underutilized, from the contractor.

Disputes between the contractor and the MBE, WBE, or VBE shall be resolved by binding arbitration before the American Arbitration Association (AAA), with reasonable expenses, including attorney's fees and arbitrator's fees, being recoverable by a prevailing MBE, WBE, or VBE. Participation in such arbitration is a material provision of the Construction Contract to which these Special Conditions are an Exhibit. This provision is intended for the benefit of any MBE, WBE, or VBE affected by the contractor's failure to fulfill its Compliance Plan and grants such entity specific third party beneficiary rights. These rights are non-waivable and take precedence over any agreement to the contrary, including but not limited to those contained in a subcontract, suborder, or communicated orally between a contractor and an MBE, WBE, or VBE. Failure by the Contractor to participate in any such arbitration is a material breach of the Construction Contract.

An MBE, WBE, or VBE seeking arbitration shall serve written notice upon the contractor and file a demand for arbitration with the AAA in Chicago, IL. The dispute shall be arbitrated in accordance with the Commercial Arbitration Rules of the AAA. All arbitration fees are to be paid *pro rata* by the parties; however, as noted above, reasonable expenses, including the arbitrator's fees, may be recoverable by a prevailing MBE, WBE, or VBE.

The MBE, WBE, or VBE must copy the City on the Demand for Arbitration within 10 business days after filing with the AAA. The MBE, WBE, or VBE must copy the City on the arbitrator's decision within 10 business days of receipt of the decision. Judgment upon the arbitrator's award may be entered in any court of competent jurisdiction.

XI. Equal Employment Opportunity

Compliance with the requirements set forth in these Regulations will not diminish or supplant equal employment opportunity and civil rights provisions as required by law related to bidder or contractor and subcontractor obligations.

**BOOK 2
INSTRUCTIONS AND EXECUTION DOCUMENTS**

TRAFFIC SIGNAL TERM AGREEMENT

CDOT PROJECT NO.: B-3-703

SPECIFICATION NO.: 1296012

RFQ NO.: 69296

CITY OF CHICAGO



**BRANDON JOHNSON
MAYOR**

Prepared by
Department of Transportation (CDOT)
Contracts Section

WILLIAM CHEAKS, JR.
Commissioner of Department of Transportation
2 N. LaSalle Street, Suite 1110
Chicago, Illinois 60602-2570

ANNE ZHANG, P.E.
Managing Deputy Commissioner – Division of Engineering

Issued by the
DEPARTMENT OF PROCUREMENT SERVICES

SHARLA D. ROBERTS
ACTING CHIEF PROCUREMENT OFFICER

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All Signatures To Be Sworn To Before A Notary Public

Any contract entered into as a result of this bid process is governed by the terms and conditions set forth in Book 1 "Terms and Conditions for Construction" for CDOT projects funded by the City, as amended and incorporated as if fully set forth here by this reference; and by Book 2, Book 3 (if applicable), plans, drawings, exhibits, and attachments as appropriate.

BOOK 2 - INSTRUCTIONS AND EXECUTION DOCUMENTS

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BOOK 2 - INSTRUCTIONS AND EXECUTION DOCUMENTS

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DOCUMENT SUBMITTAL CHECKLIST

This checklist is intended to assist you. Missing forms may invalidate your bid. Please ensure that you have completed the forms and indicate such by placing an "X" next to each completed item:

1.		Schedule of Prices
2.		Submit the Appropriate Proposal: Proposal To Be Completed By a Corporation (if applicable); or Proposal To Be Completed By A Partnership; or Proposal To Be Completed By a Joint Venture; or Proposal To Be Completed By a Sole Proprietor
3.		Affidavit of Uncompleted Work
4.		Department of Procurement Services Bid Bond
5.		Contractor's Affidavit Regarding Removal of all Waste Materials and Identification of All Legal Dump Sites
6.		Schedule B – MBE/WBE/VBE Affidavit of Joint Venture
7.		Schedule C – MBE/WBE Letter of Intent to Perform as a Subcontractor or a Supplier
8.		Schedule C-V – VBE Letter of Intent to Perform as a Subcontractor to the Prime Contractor
9.		Schedule D – Compliance Plan Regarding MBE and WBE Utilization
10.		Schedule D-V – Compliance Plan Regarding VBE Utilization
11.		Schedule F – Report of Subcontractor Solicitations
12.		Schedule H – Documentation of Good Faith Efforts
13.		City of Chicago On-Line Economic Disclosure Statement and Affidavit and Appendix A
14.		Affidavit of Chicago Business (If Applicable)
15.		Affidavit re Alternately Powered Vehicle Bid Incentive (If Applicable)
16.		Veteran-Owned Businesses and Eligible Joint Ventures Affidavit
17.		Bidder's Commitment to Utilize Veteran-Owned Subcontractors Affidavit
18.		Bidder's Commitment to Utilize Apprentices
19.		Request to Apply Bid Incentive: Apprentice Utilization (MCC 2-92-335)
20.		Bidder's Commitment to Utilize Ex-Offender Apprentices
21.		Request to Apply Bid Incentive: Ex-Offender Apprentice Utilization (MCC 2-92-336)
22.		Mentoring Program Bid Preference Affidavit
23.		Bidder's Commitment to Utilize Business Enterprises Owned by People With Disabilities (BEPD)
24.		Sexual Harassment Policy Affidavit (2-92-612)
25.		Bidder's Commitment to Encourage Diverse Management And Workforce (MC 2-92-407)
26.		Bidder's Commitment to Utilize Project Area Subcontractors

SECTION ONE

PROJECT INFORMATION

The following Specifications supplement the “Requirements for Bidding and Instructions for Bidders” found in Section Two of this document.

Proposals will be received by the Chief Procurement Officer of the City of Chicago for:

**TRAFFIC SIGNAL TERM AGREEMENT SPECIFICATION NO.: 1296012
CDOT PROJECT NO.: B-3-703**

all in accordance with Contract Documents set forth below.

General Description of Work

The work for which proposals are invited consist of furnishing all labor, materials and equipment required to make improvements to existing or to install new traffic signal equipment at various locations within the City of Chicago. Types of improvements may include but are not limited to new signal installations, traffic signal modernizations, turn arrow installations, LED and pedestrian countdown signal installations, and accessible signal installations.

This includes but is not limited to removal and replacement of traffic signals, street lighting, concrete foundations, traffic signal controllers, street lighting controllers, electrical conduit, video system detection cameras and processors; pavement resurfacing, removal, and replacement of pavement, sidewalk, curb and gutter; removal and replacement of pavement markings and signage, as described in the detail specifications, including all appurtenant work and accessories, to the complete satisfaction of, approval and acceptance by the City.

This description of work is intended to be general in nature and is neither a complete description nor a limitation on the work to be performed. Contractor shall perform all Work described in the Contract Documents or reasonably inferable as necessary to produce the results specified therein, except to the extent specifically indicated in the Contract Documents to be the responsibility of others.

Fund Source: City

Bid Deposit: 5% of Total Base Bid

MBE/WBE/VBE Participation Goal: MBE – 30%; WBE – 10% VBE – 1%

Project Area Participation Goal: 7.5%

Pursuant to Municipal Code Section 2-92-330 the City has established that the Project Area for this contract will include all 77 community areas, meeting the City’s 7.5% Chicago Residency Requirement.

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Award of Contract

Proposals will be compared based on the **Award Criteria Figure**, correctly computed, and a contract, if awarded, will be awarded to the lowest responsive and responsible bidder, in the amount of the Total Base Bid.

The City reserves the right to check all calculations and to correct all extensions in case of error.

The contract upper limit shall be One Hundred and Twenty million dollars (**\$120,000,000**). This is the maximum value for the potential 6-year term of the contract if all extension options are exercised. The City may, by notice in writing to the Contractor, increase the contract upper limit.

Pre Bid Conference

A pre bid conference will be held at the date, time and location indicated in the advertisement for bids. All interested parties are **strongly encouraged** to attend. The City may answer questions or clarify the terms of the bid documents at the conference. Written answers may be provided following the conference. Questions and requests for clarification may be submitted via email or online discussion on iSupplier, or may be raised at the conference; however, verbal questions and requests for clarification will be accepted only at the conference. All written questions or requests for clarification must be sent by email or sent via online discussion, and directed to the attention of Sadi Sandoval, Senior Procurement Specialist, Department of Procurement Services, sadi.sandoval@cityofchicago.org. The City will not accept any questions for the ten (10) day period preceding the bid opening date.

On-Line EDS

The Bidder shall complete an online EDS prior to the bid due date. A bidder who does not file an electronic EDS prior to the bid due date may be found non-responsive and its bid rejected. If you are unable to complete the online EDS and print a Certificate of Filing prior to the response due date, the City will accept a paper EDS provided written justification is provided explaining the Bidders good faith efforts to complete it before the response due date and the reasons why it could not be completed.

ONLINE EDS FILING REQUIRED PRIOR TO BID OPENING

The Bidder must complete an online EDS prior to the bid opening date.

A Bidder that does not file an electronic EDS prior to the bid opening will be found non-responsive and its bid will be rejected unless a paper EDS and written justification is submitted with the bid as explained in the above paragraph.

ONLINE EDS WEB LINK

The web link for the Online EDS is <https://webapps.cityofchicago.org/EDSWeb>

Work Orders

The Chicago Department of Transportation (CDOT) will prepare Work Orders for the work to be performed under this contract prior to the commencement of the work. A Work Order will include the following information: Name of Contractor; Contract Number; Location(s); Scope of

Project Information

Work; and estimated dollar amount based on estimated quantities. Payment will be based on measured quantities in accordance with the contract bid item.

Performance Bond

The Contractor will be required to execute and provide a Performance and Payment Bond in the amount of thirty-three and one third percent (33 1/3%) of the Maximum Compensation per Term on Form P.W.O. 62, a specimen of which is bound herein. The Performance and Payment Bond must provide for completion of all Work Orders that have been or will be issued in a given construction year.

The paragraph above for performance bonds supersedes item #11 Performance Bond of the Requirements for Bidding and Instructions for Bidders found on Page 51 of this specification document.

Term of Contract

CDOT's typical construction season commences on or about March 1st and runs through November 30th, weather permitting. Non-weather dependent construction work may be required between November 30th and March 31st. This Contract will begin at the date of formal award and continue through March 31, 2028, unless terminated prior to this date according to the Termination provisions or extended as provided for herein.

Any quantities shown on the Proposal Pages are estimated quantities for the initial Term of the Contract and as such are for bid canvassing purposes only. The City reserves the right to increase or decrease the quantities. The City will be obligated to pay for only quantities of Work that are performed and accepted under Work Orders issued by the Department.

Extension Option

The City of Chicago will have the option to extend the Initial term of this Contract for two **additional two-year terms**, which will commence on **April 1, 2029** and will terminate no later than **March 31, 2031**. The Contractor will be notified of the City's election to exercise such option no later than **December 31, 2028**. Work during such **1st term extension** will be performed in accordance with the same terms and conditions of this contract, except that the City **will allow the Contractor a price escalation** in accordance with the provision for "Price Escalation" defined herein.

The City of Chicago will also have the option to extend the **1st term extension** of this Contract for a **final two-year term**, which will commence on **April 1, 2031** and will terminate no later than **March 31, 2033**. The Contractor will be notified of the City's election to exercise such option no later than **December 31, 2030**. Work during such **2nd term extension** period will be performed in accordance with the same terms and conditions of this contract, except that the City **will allow the Contractor a price escalation**, in accordance with the provision for "Price Escalation" defined herein, for this final two-year period.

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Term	Commence date	End date
Initial	Date of formal award	March 31, 2029
1 st extension	April 1, 2029	March 31, 2031
2 nd extension	April 1, 2031	March 31, 2033

Price Adjustment

The original bid prices are valid for the initial term of the Contract, which begins with the start date of the Contract and ends on **March 31, 2029**. If the City extends the contract, the bid prices may be adjusted (increased or decreased) only at the beginning of that extension period of the Contract. The increase or decrease will be based upon changes in the Construction Cost Index (CCI) published in the ENR, Engineering News-Record (a division of McGraw-Hill Companies) for Chicago, Illinois. CCI indices are published monthly. Any price adjustment will ultimately be at the Chief Procurement Officer's discretion.

The "Base Year" for the purposes of this clause will be the 12-month period which preceded the contract award date. The "Base Year Index" is determined by summing the monthly CCI indices for each of the months of the "Base Year" and dividing by 12. The "Option Extension Index" is determined by summing the monthly CCI indices for the 12-month period beginning **April 2028 through March 2029** and dividing by 12.

The "Price Adjustment Factor" for the option period is determined by dividing the "Option Extension Index" by the "Base Year Index". The "New Price" for each item is equal to the product derived by multiplying Original Bid Price by the "Price Adjustment Factor," as illustrated below:

$$\text{NP (each item)} = \text{OBP} \times \text{PAJ}, \text{ where NP=New Price, OBP=Original Bid Price, and PAJ=Price Adjustment Factor.}$$

All the above computation will be carried out to 5 decimal places and then rounded to 4 decimal places.

Adjusted prices for the **first extension option** period will be valid from **April 1, 2029 through March 31, 2031**.

*The new Contract Prices will apply to any work performed after the beginning of the of the first extension period of the Contract. Any work order issued prior to **April 1, 2029** **WILL NOT** be considered for price escalation.*

For the second extension period, the Price Adjustment will be calculated as described above except that the base year will be **April 2030 through March 2031**.

Adjusted prices for this **second extension period** will be valid from **April 1, 2031 through March 31, 2033**.

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*The New Contract Prices will apply to any work performed after the beginning of the second extension period of the Contract. Any work order issued prior to **April 1, 2031** **WILL NOT** be considered for price escalation.*

If, during the term of the Contract, the manner in which the Construction Cost Index is determined by ENR is substantially revised, including a change in the base index year, the City will make an adjustment in the revised index that would produce results equivalent, as nearly as possible, to those that would have been obtained if the Construction Cost Index had not been so revised. If the Construction Cost Index becomes unavailable to the public because publication is discontinued, or otherwise, or if equivalent data is not readily available to enable the City to make the adjustment, then the City will substitute for it a comparable index based upon changes in the cost of construction published by a governmental agency or, if no such index is available, then a comparable index published by a university or a recognized trade publication.

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CONTRACT INSURANCE REQUIREMENTS

CDOT-084-CONSTRUCTION-LARGE \$3 MILLION OR ABOVE

Contractor must provide and maintain at Contractor's own expense, during the term of the Agreement and during the time period following expiration if Contractor is required to return and perform any work, services, or operations, the insurance coverages and requirements specified below, insuring all work, services, or operations related to the Agreement.

A. INSURANCE REQUIRED FROM CONTRACTOR

1) Workers' Compensation and Employer's Liability (Primary and Umbrella)

Workers' Compensation Insurance, as prescribed by applicable law covering all employees who are to provide a service under this Agreement and Employer's Liability coverage with limits of not less than **\$1,000,000** each accident; **\$1,000,000** disease-policy limit and **\$1,000,000** disease-each employee, or the full per occurrence limits of the policy, whichever is greater.

The Contractor may use a combination of primary and Excess/Umbrella policy/policies to satisfy the limits of liability required herein. The Excess/Umbrella policy/policies must provide the same coverages/follow form as the underlying policy/policies.

2) Commercial General Liability

Commercial General Liability Insurance or equivalent must be maintained with limits of not less than **\$1,000,000** per occurrence and **\$2,000,000** aggregate for bodily injury, personal injury, and property damage liability. Coverages must include but not be limited to, the following: all premises and operations, products/completed operations (for a minimum of two (2) years following project completion), explosion, collapse, underground, separation of insureds, defense, contractual liability (not to include endorsement CG 21 39 or equivalent), no exclusion for damage to work performed by Subcontractors, any limitation of coverage for designated premises or project is not permitted (not to include endorsement CG 21 44 or equivalent) and any endorsement modifying or deleting the exception to the Employer's Liability exclusion is not permitted. Where the general aggregate limit applies, the general aggregate must apply per project/location and once per policy period if applicable, or Contractor may obtain separate insurance to provide the required limits which will not be subject to depletion because of claims arising out of any other work or activity of Contractor. If a general aggregate applies to products/completed operations, the general aggregate limits must apply per project and once per policy period.

The City must be provided additional insured status with respect to liability arising out of Contractor's work, services or operations and completed operations performed on behalf of the City. Such additional insured coverage must be provided on ISO form CG 2010 10 01 and CG 2037 10 01 or on an endorsement form at least as broad for ongoing operations and completed operations. The City's additional insured status must apply to liability and defense of suits arising out of Contractor's acts or omissions, whether such liability is attributable to the Contractor or to the City. The full policy limits and scope of protection also will apply to the City as an additional insured, even if they exceed the City's minimum limits required herein. A copy of the physical 'Additional Insured' endorsement must accompany the Certificate of Insurance when submitted. Contractor's liability insurance must be primary without right of contribution by any other insurance or self-insurance maintained by or available to the City.

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The Contractor may use a combination of primary and Excess/Umbrella policy/policies to satisfy the limits of liability required herein. The Excess/Umbrella policy/policies must provide the same coverages/follow form as the underlying policy/policies.

3) Automobile Liability

A Business Auto Policy covering any motor vehicles (owned, non-owned and hired) which are used in connection with work, services, or operations to be performed, must be maintained by the Contractor. Limits of not less than **\$1,000,000** per accident for bodily injury and property damage and covering the ownership, maintenance, or use of any auto whether owned, leased, non-owned or hired used in the performance of the work or services. The City is to be added as an additional insured on a primary, non-contributory basis. A copy of the physical 'Additional Insured' endorsement must accompany the Certificate of Insurance when submitted.

The Contractor may use a combination of primary and Excess/Umbrella policy/policies to satisfy the limits of liability required herein. The Excess/Umbrella policy/policies must provide the same coverages/follow form as the underlying policy/policies.

4) Umbrella or Excess

Umbrella or Excess Liability Insurance must be maintained with limits of not less than **\$10,000,000** per occurrence, or the full per occurrence limits of the policy, whichever is greater. The policy/policies must provide the same coverages/follow form as the underlying Commercial General Liability, Automobile Liability, Employers Liability and Completed Operations coverage required herein and expressly provide that the Excess or Umbrella policy/policies will drop down over reduced and/or exhausted aggregate limit, if any, of the underlying insurance. The Excess/Umbrella policy/policies must be primary without the right of contribution by any other insurance or self-insurance maintained by or available to the City.

The Contractor may use a combination of primary and Excess/Umbrella policies to satisfy the limits of liability required under Workers' Compensation, Employer's Liability, Commercial General Liability, and Automobile Liability.

Insurance coverages that begin with “when,” “if,” or “where,” are considered conditional, and it is the Contractor's responsibility to obtain the applicable coverage when performing such work, service, or operation as described in the conditional coverage paragraph(s). If it is determined that conditional coverage is not initially applicable, it is the Contractor's continuing responsibility to update the insurance coverage as needed. If at any time, the Contractor or City determines that a conditional coverage is applicable, the Contractor shall not perform the work, service, or operation in connection with the contract until evidence of all applicable insurance coverage is provided to the City.

5) Professional Liability (when applicable)

When any professional consultants perform work, services, or operations in connection with this Agreement, Professional Liability Insurance covering acts, errors, or omissions must be maintained with limits of not less than **\$5,000,000** per claim. Coverage must include, but not be limited to,

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technology errors and omissions and pollution liability if environmental site assessments are conducted, when applicable. When policies are renewed or replaced, the policy retroactive date must coincide with, or precede start of work under the Agreement. A claims-made policy which is not renewed or replaced must have an extended reporting period of two (2) years.

6) Cyber Liability and Tech E & O Insurance (when applicable)

If any personal identifiable information, personal identifiable credit information, or protected health information is collected and maintained by Contractor; Cyber Liability must be maintained with limits of not less than \$5,000,000 for cyber incident and coverage must include the following:

- Liability for network security failures or privacy breaches, including loss or unauthorized access, use or disclosure of City of Chicago data, whether by Vendor or any subcontractor or cloud service provider used by Vendor;
- Costs associated with a privacy breach, including notification of affected individuals, customer support, forensics, crises management / public relations consulting, legal services of a privacy attorney, credit monitoring and identity fraud resolution services for affected individuals;
- Expenses related to regulatory compliance, government investigations, fines, fees, assessments, and penalties where insurable by law;
- Liability for technological products and services provided by or created by Vendor, including intellectual property infringement or misappropriation.
- Liability for professional services provided by Vendor;
- PCI fines, fees, penalties, and assessments;
- Cyber extortion payment and response costs;
- First and Third-Party Business Interruption Loss resulting from a network security failure or system failure;
- Costs of restoring, updating, or replacing data; and
- Liability losses connected to network security, privacy, and media liability.

The City must be named as an additional insured. A copy of the physical 'Additional Insured' endorsement must accompany the Certificate of Insurance when submitted. Certificates of Insurance and Additional Insured Endorsements reflecting applicable limits, sub-limits, self-insured retentions and deductibles must be provided upon request. The certificate must confirm the required coverages in the 'Additional Comments' section or Contractor must provide a copy of the declarations page confirming the details of the cyber insurance policy. Contractor will be responsible for all deductibles, self-insured retentions or waiting period requirements. Contractor shall provide any coverage sublimits under the policy. In the event Contractor maintains broader coverage and/or higher limits than the minimums shown above, the City of Chicago shall be entitled to the broader coverage and/or higher limits maintained by Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available. If the Cyber Liability and Tech E&O policy is written on a claims-made basis, the retroactive date should be prior to the commencement of this agreement/addendum. If the policy is written on a claims-made basis and non-renewed at any time during and up until the completion of the project or services, Contractor shall maintain coverage that meets these requirements for a period of not less than three years from the date of completion of the project or services with a retroactive date prior to the commencement of the project or services or shall purchase an Extended

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Reporting Period for at least a three year period. All insurance carrier(s) must carry an A.M. Best rating of at least A-, Class VIII.

7) Pollution Liability Insurance (when applicable)

When any remediation work or services performed involves a potential pollution risk that may arise from the operations in connection with the project that may fall under the scope and direction of the Contractor, the Contractor or any Subcontractor in connection with the Project must maintain applicable Pollution Liability Insurance with limits no less than **\$5,000,000** per occurrence or claim and **\$10,000,000** aggregate per policy period of one year. Coverage must be provided or caused to be provided, covering bodily injury, property damage and other losses caused by pollution conditions. Coverage must include but not be limited to completed operations, contractual liability, defense, excavation, environmental cleanup, remediation, disposal and if applicable, include transportation and owned and non-owned disposal site coverage. When policies are renewed or replaced, the policy retroactive date must coincide with or precede, start of work on the Agreement. A claims-made policy which is not renewed or replaced must have an extended reporting period of two (2) years. If the services involve lead based paint or asbestos identification/remediation, the Policy shall not contain a lead-based paint or asbestos exclusion.

The City must be provided with an additional insured status with respect to liability arising out of Contractor's work, services or operations performed on behalf of the City. The City's additional insured status must apply to liability and defense of suits arising out of Contractor's acts or omissions, whether such liability is attributable to the Contractor or to the City on an additional insured endorsement form acceptable to the City. The City is to be named as an additional insured on a primary, non-contributory basis. The Contractor and any Subcontractor(s) shall comply with any additional insurance requirements that are stipulated by the Interstate Commerce Commission's regulations, Title 49 of the Code of Federal Regulations, Department of Transportation; Title 40 of the Code of Federal Regulations, Protection of the Environment and any other federal, state or local regulations concerning the removal and transportation of Hazardous Materials.

The full policy limits and scope of protection shall also apply to the City as an additional insured, even if they exceed the City's minimum limits required herein. Contractor's liability insurance must be primary without right of contribution by any other insurance or self-insurance maintained by or available to the City.

8) Valuable Papers (when applicable)

When any plans, designs, drawings, specifications, media, data, records, reports, and other documents are produced or used under this Agreement, Valuable Papers Insurance must be maintained in an amount to insure against any loss whatsoever and must have limits sufficient to pay for the re-creation and reconstruction of such records.

9) Blanket Crime (when applicable)

When applicable, Contractor must maintain Crime Insurance or equivalent covering all persons handling funds under this Agreement, against loss by employee dishonesty, forgery or alteration, funds transfer fraud, robbery, theft, destruction or disappearance, computer fraud, credit card forgery, and other related crime risks. The policy limit shall be written to cover losses in the amount

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of the maximum monies collected or received and in the possession of Contractor at any given time under this Agreement.

10) Garage Liability (when applicable)

Where the business operations entail automobile or truck garages, Commercial Garage Liability Insurance or equivalent must be maintained with limits of not less than **\$1,000,000** per occurrence and **\$2,000,000** aggregate/accident for Garage Operations – Covered Autos, Garage Operations - Other than Covered Auto and Personal Injury for bodily injury and property damage liability. Coverage must include but not be limited to the following: all premises and operations, products/completed operations, separation of insureds, defense, and contractual liability must be included. Coverage extensions must include Garage Keepers Legal Liability for limits of a minimum of **\$250,000** on a Primary basis for Comprehensive and Collision coverages.

The City must be provided with an additional insured status with respect to liability arising out of Contractor's work, services or operations performed on behalf of the City. The City's additional insured status must apply to liability and defense of suits arising out of Contractor's acts or omissions, whether such liability is attributable to the Contractor or to the City on an additional insured endorsement form acceptable to the City. The full policy limits and scope of protection also will apply to the City as an additional insured, even if they exceed the City's minimum limits required herein. A copy of the physical 'Additional Insured' endorsement must accompany the Certificate of Insurance when submitted. Contractor's liability insurance must be primary without right of contribution by any other insurance or self-insurance maintained by or available to the City.

The Contractor may use a combination of primary and Excess/Umbrella policy/policies to satisfy the limits of liability required herein. The Excess/Umbrella policy/policies must provide the same coverages/follow form as the underlying policy/policies. The Contractor is responsible for all loss or damage to personal property (including materials, equipment, tools and supplies) owned, rented or used by the Contractor.

11) Property (when applicable)

Contractor is responsible for all loss or damage to City property at full replacement cost as a result of the Agreement.

Contractor is responsible for all loss or damage to personal property (including materials, equipment, tools and supplies) owned, rented or used by Contractor.

12) Builders Risk (when applicable)

When Contractor undertakes any construction, including improvements, betterments, and/or repairs to real property, the Contractor must provide All Risk Builders Risk Insurance at replacement cost for materials, supplies, equipment, machinery, and fixtures that are or will be part of the project. Coverage(s) must include but are not limited to, the following: material stored off-site and in-transit, collapse, water including leakage, overflow, sewer backup or seepage, debris removal, landscaping and faulty workmanship or materials. The City of Chicago is to be named as an additional insured and loss payee.

13) Miscellaneous Medical Professional Liability (when applicable)

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When applicable, Miscellaneous Medical Professional Liability Insurance must be maintained or cause to be maintained, covering acts, errors, or omissions related to the supplying of or failure to supply medical services or health care services by paramedics with limits of not less than **\$5,000,000** per claim. When policies are renewed or replaced, the policy retroactive date must coincide with, or precede commencement of medical services under this Agreement. A claims-made policy which is not renewed or replaced must have an extended reporting period of two (2) years.

14) Railroad Protective Liability (when applicable)

When, in connection with this Agreement, any work is to be done within 50 feet adjacent to or on property owned by a railroad or public transit entity, Contractor shall procure and maintain, or cause to be procured and maintained, with respect to the operations that Contractor or any Subcontractor shall perform, railroad protective liability insurance in the name of such railroad or public transit entity. The policy shall have limits of not less than **\$2,000,000** per occurrence, combined single limit, and **\$6,000,000** in the aggregate for losses arising out of injuries to or death of all persons, and for damage to or destruction of property, including the loss of use thereof.

15) Marine Protection & Indemnity (when applicable)

When Contractor undertakes any marine operation in connection with this Agreement, Contractor must provide Marine Protection & Indemnity coverage with limits of not less than **\$1,000,000** per occurrence. Coverage must include, but not be limited to: property damage and bodily injury to third parties, injuries to crew members if not provided through other insurance; damage to wharves, piers and other structures, and collision. The City of Chicago is to be named as an additional insured.

B. Additional Requirements

Evidence of Insurance. Contractor must furnish the City of Chicago, Certificates of Insurance (COI) and additional insured endorsement, or other evidence of insurance, to be in force on the date of this Agreement, and renewal COIs and endorsement, or such similar evidence, if the coverages have an expiration or renewal date occurring during the term of this Agreement. The Contractor must submit evidence of insurance prior to execution of Agreement. The receipt of any COI does not constitute agreement by the City that the insurance requirements in the Agreement have been fully met or that the insurance policies indicated on the COI are in compliance with all requirements of Agreement. The failure of the City to obtain, nor the City's receipt of, or failure to object to a non-complying insurance certificate, endorsement or other insurance evidence from Contractor, its insurance broker(s) and/or insurer(s) will not be construed as a waiver by the City of any of the required insurance provisions. Contractor must advise all insurers of the Agreement provisions regarding insurance. The City in no way warrants that the insurance required herein is sufficient to protect the Contractor for liabilities which may arise from or relate to the Agreement. The City reserves the right to obtain complete, certified copies of any required insurance policies at any time.

Failure to Maintain Insurance. Failure of the Contractor to comply with required coverage and terms and conditions outlined herein will not limit Contractor's liability or responsibility nor does it relieve Contractor of the obligation to provide insurance as specified in this Agreement. Nonfulfillment of the insurance conditions may constitute a violation of the Agreement, and the

Project Information

City retains the right to suspend this Agreement until proper evidence of insurance is provided, or the Agreement may be terminated.

Notice of Material Change, Cancellation or Non-Renewal. Consistent with State law, Contractor must provide for sixty (60) days prior written notice to be given to the City in the event coverage is substantially changed, canceled or non-renewed and ten (10) days prior written notice for non-payment of premium. See 215 ILCS 5/143.16 and 143.17(a). A copy of the physical endorsements must accompany the Certificate of Insurance for General Liability, Automobile Liability and Workers Compensation in order to comply with the insurance requirements.

Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions on referenced insurance coverages must be borne by Contractor.

Waiver of Subrogation. Contractor hereby waives its rights and its insurer(s)' rights of, and agrees to require their insurers to waive their rights of, subrogation against the City under all required insurance herein for any loss arising from or relating to this Agreement. The Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether the City receives a waiver of subrogation endorsement for Contractor's insurer(s).

Contractors Insurance Primary. All insurance required of Contractor under this Agreement shall be endorsed to state that Contractor's insurance policy is primary and not contributory with any insurance carrier by the City.

Acceptability of Insurers. Insurance is to be placed with insurers authorized to conduct business in the state with a current A.M. Best rating of no less than A-, Class VIII, unless otherwise approved by the City.

No Limitation as to Contractor's Liabilities. The coverages and limits furnished by the Contractor in no way limit the Contractor's liabilities and responsibilities specified within the Agreement or by law.

No Contribution by the City. Any insurance or self-insurance programs maintained by the City do not contribute with insurance provided by Contractor under this Agreement.

Insurance not Limited by Indemnification. The required insurance to be carried is not limited by any limitations expressed in the indemnification language in this Agreement or any limitation placed on the indemnity in this Agreement given as a matter of law.

Insurance and Limits Maintained. If Contractor maintains higher limits and/or broader coverage than the minimums shown herein, the City requires and shall be entitled the higher limits and/or broader coverage maintained by Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

Joint Venture or Limited Liability Company. If Contractor is a joint venture or limited liability company, the insurance policies must name the joint venture or limited liability company as a named insured.

Other Insurance obtained by Contractor. If Contractor desires additional coverages, the Contractor will be responsible for the acquisition and cost.

Insurance required of Subcontractors. Contractor shall name the Subcontractor(s) as a named insured(s) under Contractor's insurance or Contractor will require each Subcontractor(s) to provide and maintain Commercial General Liability, Commercial Automobile Liability, Worker's Compensation, Employers Liability and Professional Liability Insurance, and when applicable Excess/Umbrella Liability Insurance with coverage at least as broad as in outlined in Section A,

Project Information

Insurance Required. The limits of coverage will be determined by Contractor. Contractor shall determine if Subcontractor(s) must also provide any additional coverage or other coverage outlined in Section A, Insurance Required. The Contractor is responsible for ensuring that each Subcontractor has named the City of Chicago as an additional insured where required, as well as specifically naming the City of Chicago as an additional insured on any endorsement form at least as broad and acceptable to the City. The Contractor is also responsible for ensuring that each Subcontractor has complied with the required coverage and terms and conditions outlined in this Section B, Additional Requirements. When requested by the City, the Contractor must provide to the City Certificates of Insurance and additional insured endorsements or other evidence of insurance. The City reserves the right to obtain complete, certified copies of any required insurance policies at any time. Failure of the Subcontractor(s) to comply with required coverage and terms and conditions outlined herein will not limit Contractor's liability or responsibility.

City's Right to Modify. Notwithstanding any provisions in the Agreement to the contrary, the City, Department of Finance, Risk Management Division maintains the right to modify, delete, alter or change these requirements.

Project Information

INSURANCE CERTIFICATE OF COVERAGE

Named Insured: _____
 Address: _____

 (City) (State) (Zip)

Specification #: _____
 RFP: _____
 Project#: _____
 Contract#: _____

Description of Operation/Location	

The insurance policies and endorsements indicated below have been issued to the designated named insured with the policy limits as set forth herein covering the operation described within the contract involving the named insured and the City of Chicago. The Certificate issuer agrees that in the event of cancellation, non-renewal or material change involving the indicated policies, the issuer will provide at least sixty (60) days prior written notice of such change to the City of Chicago at the address shown on this Certificate. This certificate is issued to the City of Chicago in consideration of the contract entered into with the named insured, and it is mutually understood that the City of Chicago relies on this certificate as a basis for continuing such agreement with the named insured:

Type of Insurance	Insurer Name	Policy Number	Expiration Date	Limits of Liability All Limits in Thousands
General Liability ☐ Claims made ☐ Occurrence ☐ Premise-Operations ☐ Explosion/Collapse Underground ☐ Products/Completed Operations ☐ Blanket Coverage ☐ Broad Form ☐ Independent Contractors ☐ Personal and Advertising Injury ☐ Pollution				CSL Per Occurrence \$ _____ General \$ _____ Specimen \$ _____ eted \$ _____
Automobile Liability ☐ Excess Liability ☐ Umbrella Liability				CSL Per Occurrence \$ _____ Each Occurrence \$ _____
Worker's Compensation and Employer's Liability				Statutory/Illinois Employers Liability \$ _____
Builders Risk/Course of Construction				Amount of Contract \$ _____
Professional Liability				\$ _____
Owner Contractors Protective				\$ _____
Other				\$ _____

- a) Each Insurance policy required by this agreement, excepting policies for worker's compensation and professional liability, will read: "The City of Chicago is an additional insured as respects operations and activities of, or on behalf of the named insured, performed under contract with or permit from the City of Chicago."
- b) The General, Automobile and Excess/Umbrella Liability Policies described provide for severability of Interest (cross liability) applicable to the named insured and the City.
- c) Workers Compensation and Property Insurers shall waive all rights of subrogation against the City of Chicago.
- d) The receipt of this certificate by the City does not constitute agreement by the City that the insurance requirements in the contract have been fully met, or that the insurance policies indicated by this certificate are in compliance with all contract requirements.

Name and Address of Certificate Holder and Recipient of Notice	
Certificate Holder/Additional Insured City of Chicago Department of Procurement Services 121 N. LaSalle St., #806 Chicago, IL 60602	Signature of Authorized Rep.: _____ Agency/Company: _____ Address: _____ Telephone: _____

For City use only

Name of City Department requesting certificate: (Using Dept.) _____ ZIP Code: _____
 Address: _____
 Attention: _____

Project Information

Bidder, if selected for award of contract, must register with the City's online insurance certificate portal prior to contract award using the designated email registration link provided at [WWW.MYCOITRACKING.COM] and as specified in this document. Accordingly, Contractor must provide a valid email address for both the Contractor and Contractor's insurance agent or provider, as described in further detail in this document.

A Bidder who does not fulfill the requirements to register and submit a certificate of insurance (COI) shall be deemed nonresponsive and its bid shall be rejected, except as otherwise provided below.

If a Bidder is unable to register and submit the COI through the City's online insurance certificate portal and instead submits a printed insurance certificate prior to the contract start date, the City may accept a paper COI provided written justification is provided explaining the Bidder's good faith efforts to comply with the terms of this section and the reasons why the submission could not be completed.

Instructions for registering and submitting the certification of insurance are available at the following URL: <http://www.cityofchicago.org/COI>. Subsequent to the contract start date, Contractor is responsible for ensuring that any requests for insurance documentation during the contract term are completed through the City's online insurance certificate portal and that all information uploaded is accurate and meets the Insurance Requirements.

Project Information

Registration and Submittal of Certificate of Insurance through myCOI

You will receive a registration e-mail from registration@myCOItracking.com. Please follow the instructions in the e-mail to complete your registration with myCOI. Outlined within this exhibit are step by step instructions on how to register.

Contractor's organizational contact for this contract and insurance related matters as well as your insurance agent's contact information will be needed for registration.

You do not need to provide a certificate of insurance during your registration; myCOI will work with your agent using the information provided during registration to obtain the certificate of insurance directly from your agent.

Once the certificate of insurance is submitted by your agent and is approved for compliance by myCOI notification will be provided.

Please add the following e-mail addresses to your safe sender list to ensure you receive all e-mail communication from myCOI: registration@myCOItracking.com, certificaterequest@myCOIsolution.com

If you have any questions, please contact myCOI directly at 317-759-9426, Ext. 105 or via e-mail at support@myCOItracking.com.

Project Information



TRACKING SUCCESS

The Vendor Registration Process

myCOI's vendor registration takes approximately five minutes to complete. You, as the vendor, will set-up your sign-in information and provide some basic contact information for your insurance agent.

From here, you will not be contacted by myCOI unless your insurance agent is not responsive to our requests. This five minute registration process is intended to replace the hours of frustration vendors can experience when they are placed in the middle of communications between their insurance agent and a compliance administrator.

The screenshot shows an email from myCOI to "Sample Company, LLC". The email header includes the myCOI logo and the text "TRACKING SUCCESS". The main body of the email contains the following text:

Sample Company, LLC
Please Register Today!



Demo Account has requested that you join their online certificate of insurance tracking portal.

To register, please click the link below. If you have already signed up for a company other than Demo Account, you may use the same username/password.

[Click Here to Register!](#)

You are receiving this message because your contract with Demo Account requires that you submit a Certificate of Insurance. Demo Account is using this system to make the process more efficient for all people involved, including you.

Account Setup

To register, all you need is an internet connection and less than 5 minutes. During registration, all of your insurance agent(s) contact information will be collected.

Agent Information Required:

- Name
- Address
- Phone Number
- Email Address

Benefits to You

- Certificates of insurance are collected directly from your insurance agent so that you are able to use the time you would otherwise be spending managing certificates focusing on your business.
- If your agent does not submit a compliant certificate in a timely manner, you will be notified.

Further Questions

You may visit our [Knowledge Base](#) to view frequently asked questions and other support articles. If you have a specific question, please email or call us using the contact information below.

Thank you for your participation,
Your Name
Title

myCOI | www.mycolitracking.com
(888) 662-8448 ext 105
support@mycolitracking.com

If you cannot click on the "Click Here to Register" link above, copy and paste this link into your internet browsers address bar:
<https://secure.mycolitracking.com/Communication/VendorRegistration.aspx?code=509aa2400c6411aa8f029940c5a550d>

powered by 
www.myCOITracking.com

The process begins with you receiving a registration invitation from myCOI. Selecting the "Click Here to Register" link will begin take you directly to the registration page.

The first page of the registration will ask you to set up a user name and password.

myCOI Tracking Success. (888) 692-6448 | [Get help](#)

1 Registration 2 Contact Information 3 Insurance Agents 4 Confirm Registration

Please create a new account or log in

To complete this registration you will need the following information about your insurance agent(s):

- Agent name
- Agency name
- Agency address
- Agency phone number
- Agent email address
- Policy lines written by your agent

If you do not have the above information, you should contact your insurance agent before proceeding.

[Why am I being asked to register?](#)

☒ I need to create a new account with myCOI

☐ I already have an account with myCOI and want to log in with it

USERNAME

PASSWORD

CONFIRM PASSWORD

[Forgot your username or password?](#)

Password must be at least 8 characters and must contain:

- At least 1 uppercase letter
- At least 1 lowercase letter
- At least 1 number or special character (e.g. !, ?, *, etc.)

Next >

Help

Next, you will then set a security question.

myCOI Tracking Success. (888) 692-6448 | [Get help](#)

1 Registration 2 Contact Information 3 Insurance Agents 4 Confirm Registration

Set Your Security Question & Answer

If you should ever forget your password and need to reset it, you will be asked to provide the answer to your chosen security question.

SECURITY QUESTION

What was your childhood nickname?

What is the name of your favorite childhood friend?

What is your oldest sibling's birthday month and year? (e.g., January 1900)

What is your oldest sibling's middle name?

What was your childhood phone number including area code? (e.g., 000-000-0000)

What was the name of your first stuffed animal?

What was the last name of your third grade teacher?

What is your youngest brother's birthday month and year? (e.g., January 1900)

In what city or town was your first job?

What is the name of a college you applied to but didn't attend?

< Back

Next >

Help

The next part of the registration will ask you to review and confirm that the contact

Proposal Pages

information myCOI has on file is correct. If the information is incorrect, you will revise the information on this screen before moving forward.

Your Contact Information

This is the person from your organization to whom myCOI will send notification regarding your compliance status.

* Indicates a required field.

COMPANY NAME *

FIRST NAME *

LAST NAME *

ADDRESS 1 *

ADDRESS 2

CITY *

COUNTRY *

UNITED STATES

STATE/PROVINCE *

ALASKA

POSTAL CODE *

PHONE *

EXT:

SECONDARY PHONE

EXT:

FAX *

I DON'T HAVE A FAX NUMBER

EMAIL *

COMPANY TAX ID

YEAR COMPANY STARTED

DO YOU HAVE EMPLOYEES IN THE FOLLOWING STATES? (CHECK ALL THAT APPLY)

[WHAT'S THIS?](#)

☐ NORTH DAKOTA ☐ OHIO ☐ WASHINGTON ☐ WYOMING

Help

Next you will be asked to add your insurance agent contact information and select the policy lines the insurance agent writes for you. If you have multiple insurance agents, there is an "add another agent" button located at the bottom of the screen.

1 Registration **2** Contact Information **3** Insurance Agents **4** Confirm Registration

Agent Contact Information

This is the person we will contact to provide certificates of insurance for the policy lines you indicate on the right. You may need to call your insurance agent to get this information.

* Indicates a required field.

AGENT NAME *

AGENCY *

ADDRESS 1 *

ADDRESS 2

CITY *

COUNTRY *

UNITED STATES

STATE/PROVINCE *

ALASKA

POSTAL CODE *

PHONE *

EXT:

ALTERNATE PHONE

EXT:

AGENCY FAX

AGENCY EMAIL *

Select the types of insurance this agent writes for you:

☒ GENERAL LIABILITY

☐ AUTOMOBILE LIABILITY

☐ UMBRELLA/EXCESS

☐ WORKERS COMPENSATION

☐ PROPERTY INSURANCE

☐ PROFESSIONAL LIABILITY

☐ POLLUTION / ENVIRONMENTAL

☐ CARGO LIABILITY

☐ LEASED EQUIPMENT

☐ RIGGER'S LIABILITY

☐ BAILEE'S CUSTOMERS GOODS

☐ INSTALLATION FLOATER

☐ WAREHOUSE LIABILITY

☐ BUILDER'S RISK

☐ STOP GAP

☐ LIQUOR LIABILITY

☐ BOILER & MACHINERY

☐ I HAVE A WORK COMP WAIVER/CLEARANCE

[< Back](#) [Add Another Agent](#) [I'm Done >](#)

Help

Proposal Pages

Once you are finished adding your insurance agent(s), click the "I'm Done" button.

Including the agent's correct email address and selecting the correct types of insurance the agent writes is critical to myCOI's success in obtaining the necessary insurance documents.

On the next screen, you will be able to confirm the information you entered for your insurance agent(s). You are able to go back and revise the information if needed. Once you have confirmed that all insurance agents have been added and all data is correct, click the "Next" button.



Review Insurance Agents

WORKERS COMP WAIVER/SELF-INSURED

If you have a Workers Compensation Waiver or are Self-Insured, you must add your personal contact information as the Agent for the related policy lines.

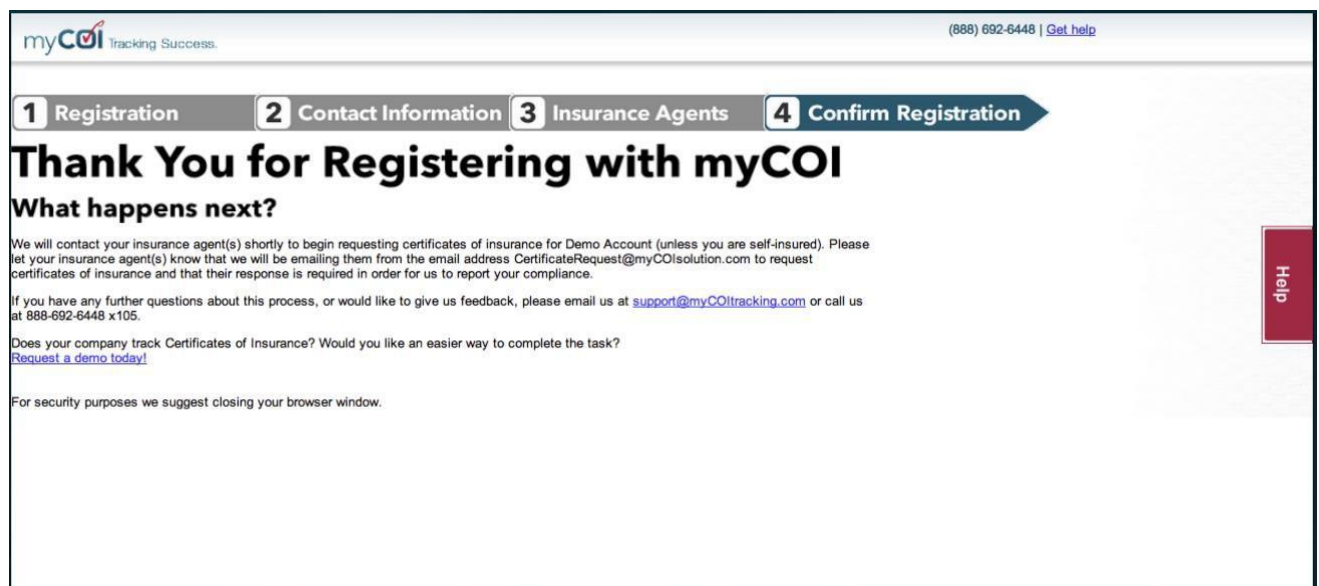
[Add Another Agent](#)

Name	Agency	# Lines of Coverage	Agent Type	Edit	Delete
ABC Agent	123 Agency	6	Insurance Agent		

[< Back](#)

[Next >](#)

This completes the myCOI registration process! The myCOI system will automatically reach out to your insurance agent(s), using the email address you provided during registration, to obtain a copy of the certificate of insurance and any other necessary insurance related documents.



Need more help?

Our myCOI Care Team is always there for you!

[1-317-759-9426 ext 105](tel:1-317-759-9426)

support@myCOItracking.com

PROPOSAL

The undersigned proposes to construct

**TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO.: B-3-703**

as required by this Contract, to perform all Work required, and to provide and furnish the required performance and payment bond and all of the labor, materials, tools, equipment, expendable and otherwise, and all accessories and transportation services necessary to perform and complete the Work required in a workmanlike manner and within the specified time the Work required, all in accordance with the Contract Documents, at the unit and lump sum prices hereinafter set forth in the Schedule of Prices; and

Further, the undersigned agrees that upon receipt of written notice of acceptance of this Proposal, he will furnish a satisfactory Performance Bond within seven (7) calendar days; and

Further, the undersigned declares that he has carefully examined the Contract Documents, Addenda (if any), and Exhibits on file at the Department of Transportation; that he has inspected in detail the site of the proposed Work; that he has familiarized himself with all of the conditions affecting the Contract; that he has familiarized himself as to the Work to be done and the conditions under which it must be carried out; that he understands that in making this Proposal he waives all rights to plead any misunderstanding regarding the same; and

Further, the undersigned declares that he has filled out and signed the "Economic Disclosure Statement" form and all other forms requiring Bidders' signature; and

Further, the undersigned understands that he shall be prepared to provide the satisfactory documentation to the Chief Procurement Officer relating to his performance ability and possession of necessary facilities, pecuniary resources and adequate insurance as called for in Article 6 entitled "Competency of Bidder" of the "Requirements for Bidding and Instructions for Bidders"; and

Further, the undersigned firm certifies that it is not barred from contracting with any unit of State or local government as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid-rotating; and

Further, the undersigned understands that he must show the lump sum price, and the Award Criteria Figure and that if not so made, his Proposal may be rejected as irregular; and

Further, the undersigned understands that he must show in the Schedule of Prices the unit or lump sum price, as the case may be for which he proposes to perform each item of work, and that all extensions and the summation for the base bid amount must be made by him, and that if not so made his Proposal may be rejected as irregular; and

Further, the undersigned declares that the price stated for each item is based on the projected cost of that item at the time that the Work is to be performed, and also includes a proportionate amount of the total cost of the entire Work in full compliance with the Contract Documents and the requirements of the Commissioner and City Chief Procurement Officer, and constitutes

Proposal Pages

compensation in full for performing and completing the work pertaining to said item, free of all claims, liens and charges whatsoever; and

Further, the undersigned declares that the prices herein are in compliance with all applicable laws, ordinances, regulations and codes of the Federal, State and City government having jurisdiction.

NOTE: THE BIDDER SHOULD NOT ADD ANY CONDITIONS OR QUALIFYING STATEMENTS TO HIS PROPOSAL, AS SUCH ADDITIONS MAY CAUSE THE PROPOSAL TO BE DECLARED INFORMAL AND AS NOT BEING RESPONSIVE TO THE ADVERTISEMENT FOR BIDS.

Further, the undersigned declares that he has filled in the required percentages in the “Award Criteria” Determination forms.

TIME OF COMPLETION

It is understood and agreed that TIME IS OF THE ESSENCE IN THIS CONTRACT, and the Contractor agrees to begin actual work covered by this Contract after notification by the Commissioner to commence work and to prosecute the same with all due diligence so as to complete the entire work under the Contract as specified for each **Work Order Type** below. It is understood that “Completion” shall mean completion to the point of acceptance by the Commissioner, i.e. substantial completion/beneficial occupancy.

The Contractor may prosecute the work through two shifts each day if he deems such action necessary in order to complete the work within the specified time period. However, no work will be permitted between the hours of 9:00 p.m. and 8:00 a.m. Any variation from these restricted working hours to include extended shift hours and daytime work, if any, can only be permitted with the written approval of the Commissioner.

The Commissioner will issue Work Orders throughout the duration of the contract. Upon receipt, the Contractor shall apply for permits within three (3) calendar days and provide a procurement and construction schedule to the Commissioner for approval within seven (7) calendar days.

Prior to starting construction, the Contractor shall provide verification of material procurement, catalog cut submittals, schedule, permits and any other preparatory items for review and approval. Construction on all Work Orders may not commence until such time all required submittals, schedules and permits have been submitted and approved.

The time required for material procurement and construction completion of a Work Order will be determined by the Commissioner and based upon the following criteria:

Proposal Pages

Work Order Type	Required Time of Material Procurement from the initial receipt of Work Order	Required Time of Construction Completion from receipt of material date
Work Order <u>with</u> Controller and without Civil restoration	90 Calendar Days	30 Calendar Days
Work Order <u>with</u> Controller and <u>with</u> Civil restoration	90 Calendar Days	60 Calendar Days
Work Order without Controller and without Civil restoration	30 Calendar Days	30 Calendar Days
Work Order without Controller and <u>with</u> Civil Restoration	30 Calendar Days	60 Calendar Days

If the Contractor determines he cannot meet the criteria above for a given Work Order, he must provide to the Commissioner for approval within seven (7) calendar days of receipt of the work order a revised work order schedule and justification for the schedule change in writing. If the Commissioner denies the revised schedule, the original contract requirements contained herein shall apply.

The Contractor may prosecute the work through two shifts each day if he deems such action necessary in order to complete the work within the specified time period. However, no work will be permitted between the hours of 9:00 p.m. and 8:00 a.m. Any variation from these restricted working hours to include extended shift hours and daytime work, if any, can only be permitted with the written approval of the Commissioner.

In the event that progress falls behind the approved schedule, work shall proceed on a twenty-four (24) hour per day basis without additional compensation, if so ordered by the Commissioner, to comply with the requirements of this Section.

PUNCH LIST TIME OF COMPLETION

It is also understood and agreed that TIME IS OF THE ESSENCE IN CLOSING OUT THE JOB SITE WORK OF THIS CONTRACT, and the Contractor agrees to begin work immediately after receipt of formal comprehensive list of minor miscellaneous or finishing work also known as "Punch List" work.

Further, upon physical completion of the Work and final inspection of same, a final "Punch List" will be transmitted to the Contractor from the Commissioner. This final "Punch List" will consist of not only physical work items requiring corrective action, but will also include all applicable Contractor submittals as may be required by the Contract. It is understood and agreed that **all** final "Punch List" work will be prosecuted expeditiously and completed, in total, within thirty (30) calendar days of the date of the transmittal to the Contractor. Failure to complete **all** final "Punch List" items within the thirty (30) calendar day time limit shall be construed as failure to prosecute work of the contract and, as such, will subject the Contractor to the

Proposal Pages

assessment of project liquidated damages in the amount(s) specified under the “Liquidated Damages” section of this proposal. These damages will be assessed continuously from the time of the expiration of the thirty (30) calendar day time limit until such time as **all** final “Punch List” items are completed to the satisfaction of the Commissioner.

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LIQUIDATED DAMAGES

Failure of the Contractor to complete the Work under this Contract within the specified completion time will result in the incurrence by the City of additional construction and engineering costs, including but not limited to supervision and inspection, together with other tangible and intangible losses. Therefore, if any work shall remain uncompleted after the time specified for the completion of the work or after any authorized extension of such stipulated time, the Contractor shall pay to the City the sum listed below for each and every day that such work remains uncompleted, and such moneys shall be paid as liquidated damages, not a penalty, to partially cover costs and losses by the City.

Failure to Meet Scheduled Start or Completion Date	\$1000 per Work Order/Calendar Day
Failure to complete Punch List	\$500 per Calendar Day
Traffic Control Deficiency	\$1000 per Deficiency/Calendar Day

The City shall recover said liquidated damages by deducting the amount thereof out of any moneys due or that may become due, and if said moneys are insufficient to cover said damages, then the Contractor or the Surety shall pay the amount due.

Nothing herein contained shall be construed as limiting the right of the City to recover from the Contractor any and all amounts due or to become due, and any and all costs and expenses sustained by the City for improper performance hereunder, repudiation of the Contract by the Contractor, failure to perform or breach or breaches in any other respect, including but not limited to defective workmanship or materials.

The date for commencement of work will not be counted as a calendar day but each subsequent day thereafter from midnight to midnight will be counted as one calendar day and the last day counted will be the day on which the Contractor shall have completed and the Commissioner shall have accepted the entire work under this Contract.

INTERIM COMPLETION AND LIQUIDATED DAMAGES (CALENDAR DAYS)

The Contractor understands and agrees not to mobilize for construction for each work order until such time the traffic signal controller work order (if applicable) is delivered to the Department of Transportation, Division of Electrical Operation. Contractor agrees to mobilize to an intersection immediately following delivery of the traffic signal controller, or upon written authorization of the Commissioner.

The Contractor agrees to prosecute all work with due diligence for each Work Order within the calendar days shown above. Completion shall include all bid items associated with each Work Order through pavement marking and regulatory signage installation. The Contractor will be assessed liquidated damages in the amounts shown above per calendar day for each Work Order not completed with the indicated number of calendar days.

UNIT PRICES

Unit prices will be used to determine the amount to ADD TO or DEDUCT FROM contract price for any properly authorized additional or omitted work. Unit prices shall be inclusive of the cost of materials, work, layout, drafting, balancing and testing, tools and sundries, overhead and profit, supervision and any and all other costs of whatsoever nature in connection therewith for work in place and accepted or omitted as the case may be. The calculation for determining the

Proposal Pages

number of units of work shall be actual surface, volume, length, hours and number of individual items listed for the class of work complete in place and accepted or omitted. No allowance for waste, loss, breakage, damage or difficulties shall be made.

Unit Schedule of Prices for all applicable materials related to the Work under this Contract shall be inserted in the spaces provided, in this proposal.

The Chief Procurement Officer reserves the right to make corrections, after receiving the bids, to any clerical error apparent on the Line Items, including but not limited to obviously incorrect units or misplaced decimal points, or arithmetic error. The Bidder must bid all line items set forth on the Proposal Pages, except to the extent that the Specifications expressly allows otherwise. In the event that a comparison of the Bidder's "Unit Price" and "Total Price" submitted for any line item reveals a calculation error or other discrepancy, the Unit Price will prevail.

SCHEDULE OF PRICES

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
1	20800150	TRENCH BACKFILL	CUYD	1030		
2	31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CUYD	4020		
3	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQYD	7890		
4	20101100C	TREE PROTECTION	EACH	72		
5	202Z0220C	EARTH EXCAVATION (SOIL TO LANDFILL)	CUYD	2010		
6	701Z0800C	AGGREGATE FOR TEMPORARY ACCESS	TON	1610		
7	21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQYD	10380		
8	250K0200C	HYDRAULIC SEEDING, CLASS 1A	SQYD	8850		
9	42001260C	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT 8 INCH	SQYD	1440		

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10	42300420C	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH	SQYD	240		
11	*****	PAVEMENT REMOVAL AND REPLACEMENT, 10 INCH (HIGH EARLY STRENGTH)	SQYD	1000		
12	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34480		
13	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	7470		
14	42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQYD	960		
15	42000540	PORTLAND CEMENT CONCRETE PAVEMENT 12"	SQYD	960		
16	*****	STAMPED COLORED CONCRETE	CUYD	200		
17	42400200C	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQFT	56000		
18	42400210C	PORTLAND CEMENT CONCRETE ADA RAMP 5 INCH	SQFT	11600		

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19	42400410C	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQFT	2000		
20	42400420C	PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH	SQFT	45000		
21	42400430C	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH	SQFT	1000		
22	42400800C	LINEAR DETECTABLE WARNING TILES (CAST IRON)	SQFT	6672		
23	42400810C	RADIAL DETECTABLE WARNING TILES (CAST IRON)	SQFT	1000		
24	X0327611	BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	600		
25	44000050C	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQYD	42600		
26	44000100	PAVEMENT REMOVAL	SQYD	9850		
27	44000200	DRIVEWAY PAVEMENT REMOVAL	SQYD	600		

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28	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	16650		
29	44000600	SIDEWALK REMOVAL	SQFT	99600		
30	44000110C	ALLEY PAVEMENT REMOVAL	SQYD	1008		
31	550Z0102C	STORM SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, TYPE 1, 8 INCH	FOOT	530		
32	550Z0122C	STORM SEWER, DUCTILE IRON PIPE, TYPE 1, 8 INCH	FOOT	830		
33	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CUYD	200		
34	60200105C	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	62		
35	60234200C	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	12		
36	602Z0900C	VORTEX RESTRICTOR	EACH	112		

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37	551Z0400C	SEWER CLEANING AND TELEVISIONING	FOOT	600		
38	60600605	CONCRETE CURB, TYPE B	FOOT	580		
39	*****	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	392		
40	*****	DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	40		
41	*****	FRAMES, SPECIAL	EACH	24		
42	*****	LIDS, SPECIAL	EACH	24		
43	606Z0300C	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< or = 300 FT)	FOOT	16500		
44	606Z0310C	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT)	FOOT	4200		
45	606Z0420C	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12	FOOT	200		

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46	701Z0100C	TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR)	DAY	4000		
47	720Z0810C	SIGN PANEL, TYPE 1, RETROREFLECTIVE	SQFT	1960		
48	720Z0820C	SIGN PANEL, TYPE 1, NON-REFLECTIVE	SQFT	892		
49	720Z0850C	SIGN PANEL, TYPE 2, RETROREFLECTIVE	SQFT	120		
50	729Z0100C	SIGN POST, EXTEND	EACH	100		
51	729Z0110C	SIGN SUPPORT POST, DIG METHOD	EACH	146		
52	729Z0120C	SIGN SUPPORT POST, DRILL METHOD	EACH	186		
53	724Z0100C	REMOVE AND SALVAGE SIGN PANEL	EACH	120		
54	724Z0110C	REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY	EACH	244		

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55	724Z0210C	REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)	EACH	24		
56	*****	REMOVE, STORE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL)	EACH	24		
57	780Z0600C	CURB PAINTING	FOOT	2400		
58	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQFT	7740		
59	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19940		
60	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	19740		
61	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6000		
62	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4000		
63	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24640		

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ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
64	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	400		
65	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	400		
66	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	100		
67	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	200		
68	780Z0100C	METHYL METHACRYLATE PAVEMENT COLORIZATION - LETTERS AND SYMBOLS	SQ FT	2000		
69	780Z0105C	METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN	SQ FT	1000		
70	780Z0110C	METHYL METHACRYLATE PAVEMENT COLORIZATION, RED	SQ FT	12000		
71	635Z0100C	FLEXIBLE DELINEATORS	EACH	350		
72	CDOTX00010	PIPE BOLLARDS	EACH	20		

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ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
73	78300100	PAVEMENT MARKING REMOVAL	SQFT	12000		
74	*****	CROSSWALK SURFACING SYSTEM	SQ FT	1000		
75	999X0900C	DRILL AND GROUT DOWEL AND TIE BARS	EACH	10040		
76	503Z0400C	CLASS "SI" CONCRETE (MISCELLANEOUS)	CUYD	200		
77	814Z0710C	ADJUST ELECTRICAL FRAME AND COVER	EACH	350		
78	353Z0100C	TEMPORARY PAVEMENT	SQYD	2000		
79	810Z0300C	TRENCH AND BACKFILL WITH SCREENINGS	FOOT	23400		
80	*****	HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 30" FRAME AND COVER	EACH	48		
81	814Z0135C	HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 36" FRAME AND COVER	EACH	48		

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ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
82	814Z0210C	MANHOLE, ELECTRICAL, 3'X3'X4' WITH 24" FRAME AND LID	EACH	22		
83	814Z0220C	MANHOLE, ELECTRICAL, 3'X3'X4' WITH 30" FRAME AND LID	EACH	22		
84	814Z0310C	ELECTRICAL FRAME AND COVER, 24"	EACH	12		
85	814Z0330C	ELECTRICAL FRAME AND COVER, 30"	EACH	12		
86	814Z0500C	DRILL EXISTING ELECTRICAL HANDHOLE OR MANHOLE	EACH	450		
87	814Z0400C	CLEAN EXISTING CITY MANHOLE OR HANDHOLE	EACH	216		
88	814Z0600C	INSTALL RACK IN HANDHOLE OR MANHOLE	EACH	60		
89	*****	ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY	EACH	40		
90	*****	ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM	FOOT	3780		

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91	*****	REPAIR OR REPLACE DAMAGED CONDUIT	FOOT	600		
92	811Z0210C	CONDUIT RISER ATTACHED TO POLE, 2"	EACH	48		
93	811Z0220C	CONDUIT RISER ATTACHED TO POLE, 3"	EACH	48		
94	810Z0205C	CONDUIT IN TRENCH, GALVANIZED STEEL, 2" DIA.	FOOT	720		
95	810Z0210C	CONDUIT IN TRENCH, GALVANIZED STEEL, 3" DIA.	FOOT	240		
96	810Z0245C	CONDUIT IN TRENCH, PVC (SCHEDULE 40), 2" DIA.	FOOT	16440		
97	810Z0250C	CONDUIT IN TRENCH, PVC (SCHEDULE 40), 3" DIA.	FOOT	4320		
98	810Z0265C	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA.	FOOT	2400		
99	810Z0270C	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA.	FOOT	15600		

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100	81100600C	CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 2" DIA.	FOOT	120		
101	81100800C	CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 3" DIA.	FOOT	120		
102	810Z0285C	CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 2" DIA.	FOOT	1000		
103	810Z0290C	CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCEDULE 80, 3" DIA.	FOOT	1000		
104	810Z0400C	INTERCEPT EXISTING CONDUIT	EACH	100		
105	863Z0200C	CONCRETE FOUNDATION FOR BASE MOUNTED "P" OR "SUPER P" CABINET	EACH	24		
106	836Z0300C	CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE, OR STREET LIGHTING CONTROLLER	EACH	16		
107	*****	CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE	FOOT	240		

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108	*****	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE	FOOT	708		
109	*****	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE	FOOT	216		
110	*****	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE	FOOT	374		
111	817Z0130C	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 4	FOOT	6000		
112	817Z0135C	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2	FOOT	5040		
113	817Z0140C	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2/0	FOOT	3000		
114	817Z0154C	ELECTRIC CABLE IN CONDUIT, 600V, 2/C NO. 4	FOOT	3200		
115	873Z0141C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6000		
116	873Z0145C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1000		

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117	873Z0146C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10C	FOOT	1000		
118	873Z0148C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C	FOOT	14400		
119	873Z0160C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 8C	FOOT	7200		
120	873Z0183C	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 6C	FOOT	16200		
121	*****	ELECTRIC CABLE NO 12, 2/C (SHIELDED)	FOOT	2480		
122	817Z0220C	ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND	FOOT	16800		
123	*****	ELECTRIC CABLE, AERIAL, 3-1/C, NO 2	FOOT	3000		
124	*****	ELECTRIC CABLE, AERIAL, 1/C, NO 6	FOOT	3000		
125	*****	FURNISH ATC CONTROLLER	EACH	20		

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126	*****	FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET	EACH	20		
127	*****	INSTALL ATC CONTROLLER IN EXISTING CABINET	EACH	20		
128	*****	INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET	EACH	20		
129	*****	FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM	EACH	24		
130	*****	INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM	EACH	24		
131	*****	FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"	EACH	72		
132	*****	FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 3 GAUGE, 34'-6"	EACH	46		
133	*****	FURNISH POLE, STEEL, ANCHOR BASE, 11" DIAMETER, 3 GAUGE, 34'-6"	EACH	20		
134	*****	FURNISH POLE, STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"	EACH	34		

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135	*****	INSTALL POLE, STEEL, ANCHOR BASE, 10" DIAMETER	EACH	118		
136	*****	INSTALL POLE, STEEL, ANCHOR BASE, 11" OR 12" DIAMETER	EACH	54		
137	*****	FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 15 FT	EACH	24		
138	*****	FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 17 FT	EACH	72		
139	*****	FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 20 FT	EACH	72		
140	*****	INSTALL TRAFFIC SIGNAL POST, ALUMINUM	EACH	168		
141	*****	FURNISH PEDESTRIAN PUSH BUTTON POST	EACH	210		
142	*****	INSTALL PEDESTRIAN PUSH BUTTON POST	EACH	210		
143	*****	FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION	EACH	16		

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144	*****	FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION	EACH	244		
145	*****	FURNISH SIGNAL HEAD, POLYCARBONATE, LED, BIKE, 3-SECTION	EACH	16		
146	*****	FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION	EACH	40		
147	*****	FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION	EACH	40		
148	*****	INSTALL, SIGNAL HEAD, BRACKET MOUNTED	EACH	144		
149	*****	INSTALL, SIGNAL HEAD, STRUCTURE MOUNTED	EACH	24		
150	*****	INSTALL, SIGNAL HEAD, MAST ARM MOUNTED	EACH	188		
151	*****	FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 3-SECTION	EACH	20		
152	*****	FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 4-SECTION	EACH	20		

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ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
153	*****	FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 5-SECTION	EACH	20		
154	*****	INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, BRACKET MOUNTED	EACH	30		
155	*****	INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, MAST ARM MOUNTED	EACH	30		
156	*****	FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN	EACH	300		
157	*****	INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN	EACH	300		
158	*****	FURNISH ACCESSIBLE PEDESTRIAN SIGNAL	EACH	624		
159	*****	INSTALL ACCESSIBLE PEDESTRIAN SIGNAL	EACH	624		
160	813Z0100C	JUNCTION BOX, POLE OR POST MOUNTED	EACH	192		
161	*****	CUT OFF POLE AND INSTALL CAP	EACH	16		

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162	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 16 FOOT	EACH	16		
163	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 20 FOOT	EACH	22		
164	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 26 FOOT	EACH	24		
165	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 30 FOOT	EACH	24		
166	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 35 FOOT	EACH	14		
167	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 40 FOOT	EACH	14		
168	*****	FURNISH MAST ARM, STEEL, MONOTUBE, 44 FOOT	EACH	12		
169	*****	INSTALL MAST ARM, STEEL, MONOTUBE, 16 FOOT	EACH	16		
170	*****	INSTALL MAST ARM, STEEL, MONOTUBE, 20 OR 26 FOOT	EACH	48		

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ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
171	*****	INSTALL MAST ARM, STEEL, MONOTUBE, 30 FOOT	EACH	24		
172	*****	INSTALL MAST ARM, STEEL, MONOTUBE, 35, 40, OR 44 FOOT	EACH	34		
173	*****	FURNISH MAST ARM, STEEL, STREET LIGHTING, 8 FOOT	EACH	56		
174	*****	FURNISH MAST ARM, STEEL, STREET LIGHTING, 12 FOOT	EACH	30		
175	*****	FURNISH MAST ARM, STEEL, STREET LIGHTING, 15 FOOT	EACH	54		
176	*****	INSTALL MAST ARM, STEEL, STREET LIGHTING, 8 OR 12 FOOT	EACH	60		
177	*****	INSTALL MAST ARM, STEEL, STREET LIGHTING, 15 FOOT	EACH	54		
178	*****	PLATE WELD TO POLE, 2-BOLT	EACH	8		
179	851Z0100C	PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S)	EACH	20		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
180	851Z0110C	PAINT EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD(S)	EACH	32		
181	851Z0120C	PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE(S), SIGNAL HEAD(S), MAST ARM(S), AND LUMINAIRE(S)	EACH	48		
182	851Z0130C	PAINT EXISTING LIGHTING OR IRRIGATION, LIGHTING, RECEPTACLE OR TRAFFIC SIGNAL CABINET	EACH	20		
183	821Z0820C	LUMINAIRE, LED, COBRA HEAD, ARTERIAL	EACH	204		
184	*****	RACK, SECONDARY AERIAL 2 OR 3 WIRE	EACH	96		
185	804Z0120C	ELECTRIC SERVICE INSTALLATION, 100 AMP	EACH	20		
186	804Z0140C	ELECTRIC SERVICE INSTALLATION, 200 AMP	EACH	24		
187	*****	SERVICE ENTRANCE HEAD ON POLE TOP, 1-1/4"	EACH	20		
188	*****	SERVICE ENTRANCE HEAD ON POLE TOP, 2"	EACH	20		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
189	801Z0220C	CIRCUIT BREAKER, 600 VOLT, 1-POLE, 70 AMPERE IN EXISTING STREET LIGHT CONTROLLER	EACH	30		
190	80400200C	ELECTRIC UTILITY SERVICE CONNECTION	EACH	12		
191	*****	FURNISH AND INSTALL RECTANGULAR RAPID FLASHING SYSTEM, COMPLETE	EACH	40		
192	720Z0610C	ELECTRONIC TRAFFIC SPEED INDICATOR SIGN, AC POWERED (FURNISH AND INSTALL)	EACH	94		
193	*****	POLE, ANCHOR BASE, RELOCATE COMPLETE	EACH	12		
194	*****	MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING	DAY	2000		
195	895Z1200C	BREAKDOWN HANDHOLE	EACH	20		
196	895Z1210C	BREAKDOWN MANHOLE	EACH	20		
197	60500040C	REMOVING MANHOLES	EACH	16		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
198	60500050C	REMOVING CATCH BASINS	EACH	48		
199	60500060C	REMOVING INLETS	EACH	18		
200	*****	BREAKDOWN CONCRETE FOUNDATION, POLE, POST OR CONTROLLER	EACH	50		
201	*****	REMOVE RISER ON EMBEDDED POLE 1 1/4", 2"	EACH	4		
202	*****	2W RACKS - REMOVE	EACH	4		
203	*****	REMOVE AERIAL CABLE	FOOT	7200		
204	*****	REMOVE SVC CABLE IN CONDUIT, 3#2	FOOT	3600		
205	*****	REMOVE BRANCH WIRES 2W/2NC	FOOT	6000		
206	*****	REMOVE TRUSS ALUMINUM MAST ARM 25'	EACH	24		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
207	*****	REMOVE CABLE IN CONDUIT 7, 10, 14, 19, OR 22/C OR LIGHTING CABLE	FOOT	3105		
208	*****	REMOVE SERVICE CABLE IN CONDUIT - 2/C	FOOT	3030		
209	*****	REMOVE POLE, STEEL, ANCHOR BASE, 11 GA, 20'	EACH	24		
210	*****	REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 32'6"	EACH	24		
211	*****	REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 34'-6"	EACH	24		
212	*****	REMOVE LUMINAIRE, 400W/310W, 150W/100W	EACH	48		
213	*****	REMOVE STREET LIGHT MAST ARM	EACH	48		
214	*****	REMOVE TRAFFIC SIGNAL MAST ARM	EACH	72		
215	*****	REMOVE TRAFFIC SIGNAL HEAD, 1 FACE	EACH	144		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
216	*****	REMOVE PEDESTRIAN SIGNAL HEAD	EACH	252		
217	*****	REMOVE PEDESTRIAN PUSH BUTTON	EACH	156		
218	*****	REMOVE TRAFFIC SIGNAL POST 7'/15'/17'/20'	EACH	96		
219	*****	REMOVE CONTROLLER AND POST	EACH	24		
220	*****	REMOVE JUNCTION BOX, TSS-18	EACH	20		
221	*****	REMOVE CONTROLLER ONLY	EACH	10		
222	*****	REMOVE POLE, STEEL, EMBEDDED, CTA, 30'	EACH	24		
223	*****	REMOVE POLE, STEEL, EMBEDDED, 7 GA, 33'	EACH	24		
224	*****	REMOVE SERVICE EQUIPMENT	EACH	24		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
225	*****	REINSTALL TRAFFIC SIGNAL MAST ARM	EACH	20		
226	*****	REINSTALL STREET LIGHTING MAST ARM	EACH	20		
227	*****	REINSTALL LUMINAIRE MAST ARM	EACH	20		
228	*****	REINSTALL POLE	EACH	20		
229	*****	REINSTALL POST	EACH	20		
230	*****	REINSTALL PEDESTRIAN SIGNAL	EACH	20		
231	*****	REINSTALL TRAFFIC SIGNAL	EACH	20		
232	*****	TEMPORARY TRAFFIC SIGNAL - CASE 1	EACH	6		

SCHEDULE OF PRICES
TRAFFIC SIGNAL TERM AGREEMENT
SPECIFICATION NO.: 1296012
CDOT PROJECT NO B-3-703

Bidder's pricing for each line item should carry its share of the costs of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his/her opinion to be materially unbalanced will be rejected.

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	ESTIMATED TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
233	*****	TEMPORARY TRAFFIC SIGNAL - CASE 2	EACH	6		
234	*****	TEMPORARY TRAFFIC SIGNAL - CASE 3	EACH	4		
235	863Z0400C	INTERSECTION TECHNOLOGY ENHANCEMENTS	EACH	182		
			TOTAL BASE BID			
AWARD CRITERIA DETERMINATION						

AWARD CRITERIA DETERMINATION

In accordance with Chapter 2-92 of the Municipal Code of Chicago, and in order to promote equality of opportunity for minority and female personnel on this project, the City of Chicago has established the following canvassing formula for the purpose of evaluating proposals and awarding the contract.

Each bidder is invited to propose the minority and female employee utilization goals for the project, as percentages of the journeyworker and apprentice and laborer hours to be expended in the construction of the project. Lines 2, 4, and 6 in the formula shall not be greater than 70 percent in each category, for the purpose of canvassing only. The 70 percent limit shall not deter or restrict the fuller utilization of minority employees for the project, but shall only serve as a limiting figure for use in the formula. Similarly, lines 8, 10, and 12 shall not be greater than 15 percent in each category, for the purpose of canvassing only. Actual amounts of minority and female work will be measured for the total hours of construction workers employed on the projects within each of the categories of journeyworkers, apprentice, laborers by the contractor and all of the worksite subcontractors.

Canvassing Formula

Line 1.	Base Bid, in figures	_____
Line 2.	Percentage of the total journeyworker hours that the Contractor proposes to be worked by minority Journeyworkers during construction of the Project. (Maximum figure .70)	_____
Line 3.	Multiply Line 2 by Line 1 by 0.04	_____
Line 4.	Percentage of the total Apprentice hours that the Contractor proposes to be worked by minority Apprentices during construction of the project. (Maximum figure .70)	_____
Line 5.	Multiply Line 4 by Line 1 by 0.03	_____
Line 6.	Percentage of the total Laborer hours that the Contractor proposes to be worked by minority Laborers during construction of the project. (Maximum figure .70)	_____
Line 7.	Multiply Line 6 by Line 1 by .01	_____
Line 8.	Percentage of the total Journeyworker hours that the Contractor proposes to be worked by female Journeyworkers during construction of the project. (Maximum figure .15)	_____
Line 9.	Multiply Line 8 by Line 1 by 0.04	_____

AWARD CRITERIA DETERMINATION

Line 10. Percentage of the total Apprentice hours that the Contractor proposes to be worked by female Apprentices during construction of the project.

(Maximum figure .15)

Line 11. **Multiply Line 10 by Line 1 by 0.03**

Line 12. Percentage of the total Laborer hours that the Contractor proposes to be worked by female Laborers during construction of the project.

(Maximum figure .15)

Line 13. **Multiply Line 12 by Line 1 by 0.01**

Line 14. **Summation of Lines 3, 5, 7, 9, 11, and 13**

Line 15. **Subtract Line 14 from Line 1 = Award Criteria Figure**

The bidder shall complete the Canvassing Formula and transfer the final Award Criteria Figure, Line 15, to the space provided on the itemized Proposal Sheet. A contract in the amount of the Total Base Bid will be awarded to the responsible bidder with the lowest Award Criteria Figure. The City reserves the right to revise all arithmetic calculations for correctness.

The Contractor is obliged during the construction of the Project to fulfill every numerical commitment made under the Canvassing Formula categories. Therefore, every limiting condition of circumstance which may affect referral, hiring, or deployment of construction trades employees must be taken into account by the bidder before the commitment is proposed. Limits imposed by the policies or circumstances of labor organizations or other referral resources, for example, should be anticipated by the bidder, since relief from the contractor's obligations as established under the Canvassing Formula is not available due to such circumstances found to exist during Construction. Also, if Journeyworkers will not be employed in the project, or Apprentices, or Laborers, then the proposal made in the appropriate Lines, Lines 2 and 8, or Lines 4 and 10, or 6 and 12, should be entered as "0 percent" since no Journeyworker or Apprentice or Laborer hours are reported after construction, this will be computed by the City as "0 percent," minority/female hours achieved.

If commitments are made in the Apprentice category, Lines 4 and 10, the total apprentice hours to be employed on the projects should be anticipated to be a substantial number of hours; since it is the intention of the City that where a commitment for a percentage of minority or female Apprentices has been made, the percentage may be counted as fulfilled only as long as there were provided at least 40 actual hours of minority or female employment as Apprentices. For this reason, where a minority or female percentage commitment has been made, if in the final audit of the performance of the Contract there are less than 40 actual hours of minority or female Apprentice work performed, then the number of minority or female apprentice hours will be counted by the City as "0" for the purpose of measuring the achievement towards the apprentice canvassing formula goal.

Therefore, notice that when the Contractor is performing at a level under a minority or female Apprentice goal, Line 4 or Line 10 above, the Contractor will be subject to the full amount of liquidated damages, see Lines 5 and 11, if at least 40 actual hours of minority or female

AWARD CRITERIA DETERMINATION

Apprenticeship work are not achieved. When the bidder foresees that this minimum amount of apprenticeship is not available to the project, then "0" should be put in Lines 4 and 10 as the percentage commitment for apprentices.

The Contractor is obligated to meet the total commitment made in each category, subject to liquidated damages as described below for noncompliance. The Contractor hereby consents and agrees that, in the event of failure to comply with each of the minimum commitments submitted with the proposal on Lines 2, 4, 6, 8, 10, and 12 of the canvassing formula, covering Journeyworkers, Apprentices, and Laborers, respectively, the following shall apply to determine a monetary sum to be withheld from the final payment to the Contractor.

In calculating the aggregated work hours toward the utilization goal for construction Journeyworkers, Apprentices, or Laborers under this Canvassing Formula, the Contractor shall be given 150% credit for every work hour performed by a minority or woman worker residing within a socio-economically disadvantaged area. The criteria for designation of an area as socio-economically disadvantaged will be set forth in rules promulgated by the Commissioner of Planning and Development. Such criteria shall include, but not be limited to, the median family income of an area.

Liquidated Damages

For each one percent (1%) deficiency of minority journeyworkers not utilized toward the goal (Line 2), four cents for each hundred dollars of the base bid, calculated as follows:

Line 1	X	.04
100		

Each one percent (1%) deficiency of shortfall toward the goal line (Line 8) for female Journeyworkers shall be computed in the same way.

For each one percent (1%) deficiency of minority Apprentices not utilized toward the goal (Line 4), three cents per each hundred dollars on the base bid, calculated as follows:

Line 1	X	.03
100		

Each one percent (1%) of shortfall toward the goal (Line 10) for female Apprentices shall be computed in the same way.

For each one percent (1%) deficiency of minority Laborers not utilized towards the goal (Line 6), one cent per each hundred dollars of the Base Bid, calculated as follows:

Line 1	X	.01
100		

Each one percent shortfall toward the goal (Line 12) for female Laborers shall be computed in the same way.

AWARD CRITERIA DETERMINATION

Reporting

The Contractor shall submit to the City on a timely basis a completed weekly certified payroll, (U.S. Department of Labor Form WH-347, Illinois Department of Transportation Form RE-48, or equivalent) with race and gender of employees clearly named or coded each week. The Contractor is responsible for forwarding every worksite Subcontractor's weekly certified payroll. Supportive information regarding an employee's race, gender or work classification of such is required by the City. Failure to report fully all required workforce information will subject the contractor to liquidated damages in the total amount listed in Line 14 above.

In the weekly payroll reports, the following ethnic categories should be used to indicate minority personnel for purposes of the canvassing formula:

Black	—	Persons having origins in any of the Black racial groups of Africa.
Hispanic	—	Persons of Mexican, Puerto Rican, Cuban, Central American, or other Spanish culture or origin, regardless of race.
Native American	—	Persons who are American Indians, Eskimos, Aleuts or Native Hawaiians.
Asian Pacific	—	Persons whose origins are from Japan, China, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Samoa, Guam, the U.S. Trust Territories or the Northern Marianas.
Asian Indian	—	Persons whose origins are from India, Pakistan, or Bangladesh.

Included in the canvassing formula as "Journeyworkers" are the construction site Journeyworkers from the major trades including, without limitation, truck drivers, electrical groundsmen, and elevator construction helpers. Other "Helpers," watchmen, custodial workers, clerical workers, and salaried superintendents are not creditable in the formula. Hourly wage "Foremen" and "General Foremen" will be counted as journeyworkers for purposes of the canvassing formula.

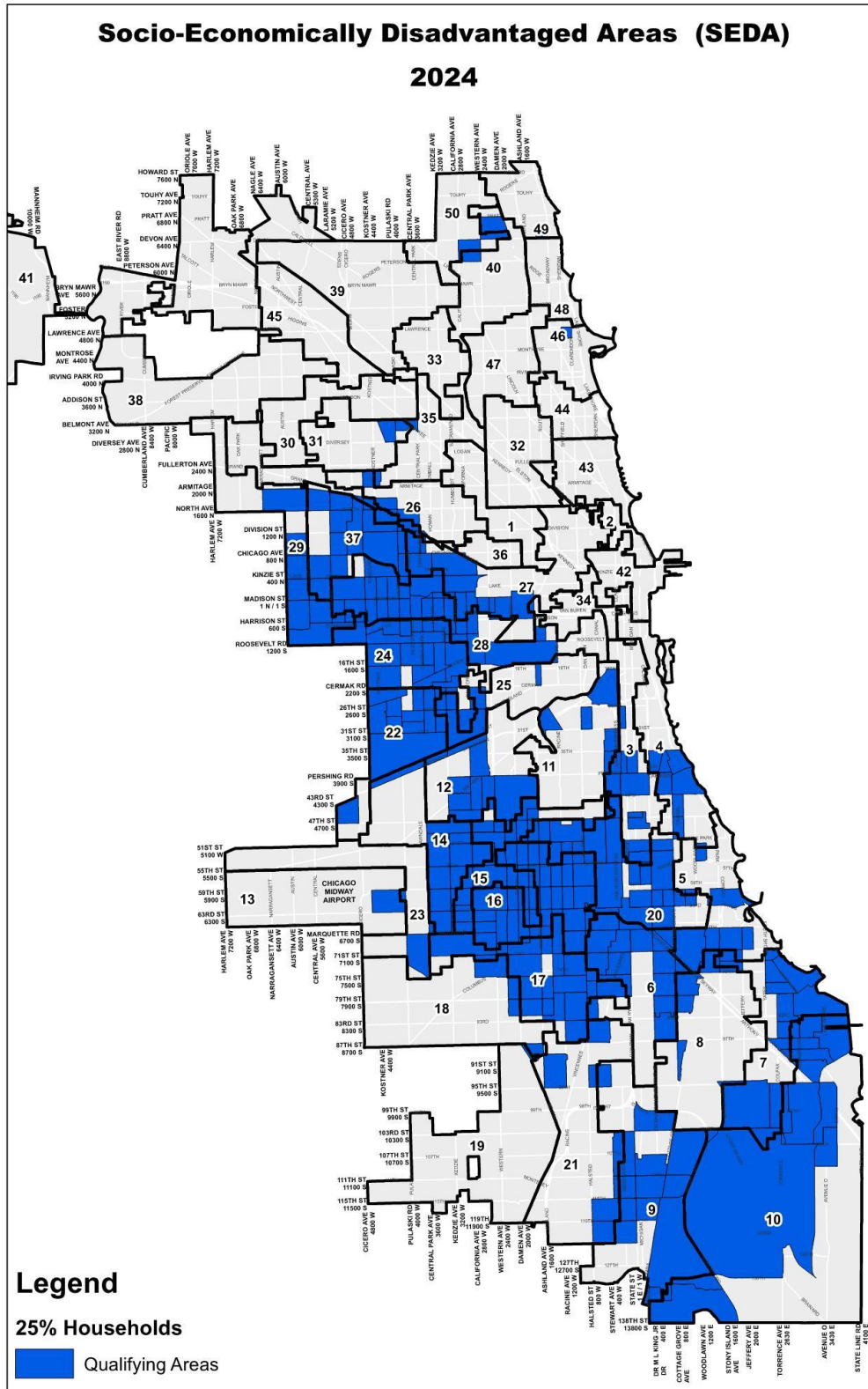
Included in the canvassing formula as "Apprentices" are only bona fide Apprentices currently in a training program certified by the U.S. Department of Labor — Bureau of Apprenticeship and Training, and for the hours employed at the construction site. Other categories of trainees are not creditable in the formula. Individual workers who are both minority and female will have their hours counted towards both a minority goal and any female goal.

Other Regulations

The adherence to the canvassing formula does not abrogate other responsibilities of the contractor to comply with equal employment opportunity requirements under federal or state law, municipal ordinance, prevailing government regulations or terms contained elsewhere in this contract.

See Map of Socioeconomically Disadvantaged Areas on following page.

AWARD CRITERIA DETERMINATION



SECTION TWO

REQUIREMENTS FOR BIDDING AND INSTRUCTIONS FOR BIDDERS

Contract for Work

Proposals are received by the Chief Procurement Officer of the City of Chicago in accordance with Contract Documents as set forth herein.

1. Examination by Bidder

The bidder shall, before submitting its bid, carefully examine the proposal, plans, specifications, contract documents and bonds. The bidder shall inspect in detail the site of the proposed work and familiarize itself with all of the local conditions affecting the contract and the detailed requirements of construction. If at any time prior to the bid opening, the Bidder discovers any errors, discrepancies or omissions in the Contract Documents, or any discrepancy between the Contract Documents and the physical conditions at the site or in any subsequent drawings that may be provided thereafter, the Bidder must notify the Chief Procurement Officer immediately, in writing, for an interpretation through an Addendum. The Chief Procurement Officer reserves the right to establish a date by which any written request must be submitted before bid opening. No response will be given for inquiries beyond that date. If its bid is accepted, the bidder will be responsible for all errors in its proposal resulting from failure or neglect to comply with these instructions. The City will, in no case, be responsible for any change in anticipated profits resulting from such failure or neglect.

Unless otherwise provided in the Contract, when the plans or specifications include information pertaining to subsurface exploration, borings, test pits, and other preliminary investigation, such information represents only the opinion of the City as to the location, character, or quantity of the materials encountered and is only included for the convenience of the bidder. The City assumes no responsibility with respect to the sufficiency or accuracy of the information, and there is no guaranty, either expressed or implied, that the conditions indicated are representative of those existing throughout the work, or that unanticipated developments may not occur.

2. Bid Deposit

Bid deposit shall be required for all competitive sealed bidding for contracts when required in the legal advertisement. The bid deposit must be a bond, or the equivalent in cashier's check, money order or certified check. Any bond must be executed by a surety authorized to do business in the State of Illinois. And, it must be in the form provided by the Chief Procurement Officer, an example of which is bound herein. All certified checks must be drawn on a bank doing business in the United States, and shall be made payable to the order of the City of Chicago. CASH IS NOT AN ACCEPTABLE FORM OF BID DEPOSIT.

Bid deposits shall be in the amount shown in the advertisement or as may be prescribed herein, but not in excess of 10% of the bid. Should the amount of the bid deposit shown in the advertisement prove to be more than 10% of the bid, then the bidder may submit, in lieu of the foregoing, an amount equal to 10% of his bid. When the legal advertisement requires a deposit, noncompliance requires rejection of the bid. Compliance with the provisions

Requirements for Bidding and Instructions for Bidders

herewith shall be determined in all cases by the Chief Procurement Officer and his determination shall be final.

After bids are opened, deposits shall be irrevocable for the period specified herein. If a bidder is permitted to withdraw its bid before award, no action shall be taken against the bidder or the bid deposit.

3. Preparation of Proposal

The bidder shall prepare its proposal on the attached proposal forms. Unless otherwise stated, all blank spaces on the proposal page or pages, applicable to the subject specification, must be correctly filled in. Either a unit price or a lump sum price, as the case may be, must be stated for each and every item, either typed in or written in ink, in figures, and, if required, in words.

If bidder is a corporation, the President and Secretary must execute the bid and the corporate seal must be affixed. In the event that this bid is executed by other than the President, attach hereto a certified copy of that section of Corporate By-Laws or other authorization by the Corporation which permits the person to execute the offer for the corporation.

If bidder is a partnership, all partners must execute the bid, unless one partner has been authorized to sign for the partnership, in which case, evidence of such authority satisfactory to the Chief Procurement Officer shall be submitted.

If bidder is a sole proprietorship, the sole proprietorship must execute the bid. A "Partnership", "Joint Venture" or "Sole Proprietorship" operating under an Assumed Name must be registered with the Illinois county in which located, as provided in 805ILCS 405 (1992).

4. Submission of Proposals

All prospective bidders shall submit sealed proposals with applicable bid deposit attached through the City's iSupplier system.

Proposals must be submitted with original signatures in the space provided on the appropriate Proposal Execution Page. Proposals not properly signed shall be rejected.

5. Withdrawal of Proposals

Bidders may withdraw their proposals at any time prior to the time specified in the advertisement as the closing time for the receipt of bids. However, no bidder shall withdraw or cancel his proposal for a period of 60 calendar days after said advertised closing time for the receipt of proposals nor shall the successful bidder withdraw or cancel or modify his proposal after having been notified by the Chief Procurement Officer that said proposal has been accepted by the City. The City reserves the right to withhold and deposit, as liquidated damages and not a penalty, the bid deposit of any bidder requesting withdrawal, cancellation or modification of its proposal prior to the stated period for acceptance of proposal.

Where this contract shall be approved by another agency, such as the Federal Government or State of Illinois, then the bidder shall not withdraw or cancel or modify his proposal for a period of 90 calendar days after said advertised closing time for the receipt of proposals.

6. Competency of Bidder

Requirements for Bidding and Instructions for Bidders

The Chief Procurement Officer reserves the right to refuse to award a Contract to any person, firm or corporation that is in arrears or is in default to the City of Chicago upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said City, or had failed to perform faithfully any previous contract with the City.

The bidder, if requested, must present within a reasonable time, as determined by the Chief Procurement Officer, evidence satisfactory to the Chief Procurement Officer of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and contract documents.

7. Compliance with Child Support Orders Ordinance

The Child Support Arrearage Ordinance, § 2-92-415 of the Municipal Code, furthers the City's interest in contracting with entities that demonstrate financial responsibility, integrity and lawfulness, and finds that it is especially inequitable for Contractors to obtain the benefits of public funds under City contracts while owners fail to pay court-ordered child support, and shift the support of their dependents onto the public treasury.

In accordance with § 2-92-415 of the Municipal Code, if the Circuit Court of Cook County or an Illinois court of competent jurisdiction has issued an order declaring one or more Substantial Owner(s) in arrearage on their child support obligations and: (1) such Substantial Owner has not entered into a court-approved agreement for the payment of all such child support owed, or (2) such Substantial Owner is not in compliance with a court-approved agreement for the payment of all such child support owed, (see Certification of Compliance with Child Support Orders in EDS), then:

For those bidders in competitive bid contracts, the City will assess an 8% penalty. This penalty will increase their bid price for the purpose of canvassing the bids in order to determine the lowest responsible bidder. This penalty will apply only for purposes of comparing bid amounts and will not affect the amount of any contract payment.

For purposes of this Section only, "SUBSTANTIAL OWNER" means any person who owns or holds a 10% or more interest in the bidder; where the bidder is an individual or sole proprietorship, substantial owner means that individual or sole proprietorship.

"PERCENTAGE OF INTEREST" includes direct, indirect and beneficial interests in the Contractor. Indirect or beneficial interest means that interest in a Contractor held by a corporation, joint venture, trust, partnership, association, estate or other legal entity, in which the individual holds an interest, or by agent(s) or nominee(s) on behalf of an individual or entity. For example, if Corporation B holds or owns a 20% interest in Contractor, and an individual or entity has a 50% or more percentage of interest in Corporation B, then such individual or entity indirectly has a 10% or more interest in Contractor. If Corporation B is held by another entity, then this analysis similarly must be applied to that next entity.

The provisions of this Section will only apply where not otherwise prohibited by federal, state or local law.

8. Consideration of Proposals

The Chief Procurement Officer represents and acts for the City in all matters pertaining to this proposal and contract in conjunction therewith. The Chief Procurement Officer reserves the right to reject any or all proposals and to disregard any informality in the bids and

Requirements for Bidding and Instructions for Bidders

bidding, when in his opinion the best interest of the City will be served by such action. The proposal is contained in these contract documents and **MUST BE SUBMITTED AS A PDF ATTACHMENT** by any bidder when submitting a proposal. Incomplete proposals are subject to rejection.

9. Balanced Bids

Bidder's pricing for each line item should carry its share of the cost of work, plus its share of overhead and profit. Bidders should avoid nominal pricing for some lines and enhanced pricing for other lines. Bids that the Chief Procurement Officer considers in his sole opinion to be materially unbalanced will be rejected.

10. Acceptance of Proposals

The Chief Procurement Officer will accept in writing one of the proposals or reject all proposals, within 60 calendar days, or within 90 calendar days where approval by other agencies is required, from the date of opening of bids, unless the lowest responsible bidder, upon request of the City, extends the time of acceptance to the City.

11. Performance Bond

When required by the Chief Procurement Officer the successful bidder or bidders shall, within seven (7) calendar days of receipt of notice from the City, furnish a performance bond in the full amount of the contract on Form P.W.O. 62, a specimen of which is bound herein.

Receipt of written notice from the City to furnish a bond constitutes tentative notice of pending award and proposal acceptance. Release of the contract shall be withheld pending receipt and approval of a satisfactory bond.

Attention is called to the provisions of 30 ILCS 550/1, et. seq. and to the provisions of Section 2-92-030 of the Municipal Code of Chicago.

12. Failure to Furnish Bond

In the event that the bidder fails to furnish the performance bond in said period of seven (7) calendar days, then the bid deposit of the bidder shall be retained by the City as liquidated damages and not as a penalty.

13. Interpretation of Contract Documents

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of the specifications or other contract documents, a written request for an interpretation thereof may be submitted to the Chief Procurement Officer. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by an addendum duly issued by the Chief Procurement Officer. A copy of such addendum will be mailed, faxed, electronically mailed or delivered to each person receiving a set of such contract documents and to such other prospective bidders as shall have requested that they be furnished with a copy of each addendum. Failure on the part of the prospective bidder to receive a written interpretation prior to the time of the opening of bids will not be grounds for withdrawal of proposal. Bidder will acknowledge receipt of each addendum issued in space provided on proposal page. Oral explanations will not be binding.

14. Catalogs

Requirements for Bidding and Instructions for Bidders

Each bidder must submit, where necessary, or when requested by the Chief Procurement Officer, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, appointments, finishes and the like not covered in the specifications, necessary to fully describe the material or work he proposes to furnish.

15. Substitution

The Bidder must, if awarded the Contract, provide the items specified in the Contract Documents when those items are specified by manufacturer's trade name in Book-Three, unless equivalent alternatives have been proposed as described below. Reference to a specific manufacturer, trade name, or catalog is intended to be descriptive but not restrictive and only to indicate to the prospective bidder items that will be satisfactory. The Bidder may bid another product(s) provided that the alternative product is on a separate sheet of paper designated as such and is supported by the type of information listed in Section VII.D.1.a.,b.,e.,g.,h., and Section VII.D.2., of the Terms and Conditions for Construction, in order to facilitate the Chief Procurement Officer's evaluation of such product. The Chief Procurement Officer may, in his sole discretion, accept an alternate bid for a specified item, provided the alternate item so bid is, in the Chief Procurement Officer's sole opinion, the equivalent of the item specified in the Contract Documents. An alternate that is not equivalent to the specified item may render the bid non-responsive. Unless the alternate item is so identified, it is understood that the Bidder proposes, and will be required to provide, the specific item described in the Contract Documents. No substitution of specified items will be allowed thereafter except as provided in Section VII.D.2., of the Terms and Conditions for Construction.

16. Return of Bid Deposit

The bid deposit of all except the two lowest bidders on each contract will be returned shortly after the bid opening. The Chief Procurement Officer reserves the right to hold all bid deposits, if the intent is to award multiple contracts for a requirement and/or if the two lowest responsible bidders cannot be readily determined based on price until all proposals have been evaluated.

The remaining bid deposits on each contract will be returned with the exception of the accepted bidder, after the Chief Procurement Officer has awarded the contract. The bid deposit of the accepted bidder will be returned after the contract has been awarded and a satisfactory performance bond has been approved, where such bond is required.

17. Taxes

With few exceptions, materials purchased by the City of Chicago are not subject to the Federal Excise Tax. The Illinois Retailers' Occupation Tax, Use Tax, and Municipal Retailers' Occupation Tax do not apply to materials or services purchased by the City of Chicago.

Bidders shall include all other applicable federal, state and local taxes, direct or indirect, in their Bid Prices.

18. Contractor's Financial Statement

Requirements for Bidding and Instructions for Bidders

Each bidder must either (1) submit with the bid a current and valid Illinois Department of Transportation (IDOT) 'Certificate of Eligibility' issued by IDOT as a result of filing an application with IDOT for PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION showing prequalification in the required work categories, or (2) if the bidder has not been issued an applicable IDOT 'Certificate of Eligibility,' bidder must have on file in the office of the Chief Procurement Officer prior to bid opening a CONTRACTOR'S STATEMENT OF EXPERIENCE AND FINANCIAL CONDITION dated not earlier than the end of the Contractor's last fiscal year period. This Statement shall be kept on file by the Chief Procurement Officer as a representative statement for a period of one year only. Forms are available at the office of the Bid and Bond Section, DEPARTMENT OF PROCUREMENT SERVICES, Room 103 City Hall, 121 North LaSalle Street, Chicago, Illinois, 60602, 312-744-9773 or may be obtained online:

http://www.cityofchicago.org/city/en/depts/dps/provdrs/contract/svcs/forms_and_standardagreements.html

Failure to submit an IDOT 'Certificate of Eligibility' or alternatively to have a current financial statement on file in the DEPARTMENT OF PROCUREMENT SERVICES at time of bid opening may be cause for the rejection of Contractor's Proposal.

19. Notices

All communications and notices to the City herein provided for shall be faxed, delivered personally, electronically mailed or mailed first class, postage prepaid, to the Commissioner of the using department by name and address listed on the cover hereof, and to the Chief Procurement Officer, Room 806, City Hall, 121 N. LaSalle Street, Chicago, Illinois 60602. All communications and notices to the bidder, unless otherwise provided for, shall be faxed, delivered personally, electronically mailed or mailed first class, postage prepaid, to the bidder by name and address listed on the proposal hereof.

20. Acknowledgment of Receipt of Addenda

The bidder must acknowledge the receipt of all formally issued addenda in the space provided on the signature pages of the Proposal.

21. Economic Disclosure Statement and Affidavit (EDS)

The Contractor is required to complete an online Economic Disclosure Statement and Affidavit, (EDS), including the Disclosure of Retained Parties as required by Executive Order 97-1 prior to the bid due date. Refusal to execute such disclosure will result in the CPO declaring the bidder non-responsible and the City retaining the bid deposit. Moreover, if a bidder is deemed- non responsible under this provision, the bidder's status as a non-responsible bidder may apply to the bidders subsequent bids. See the attached instructions for completing the on-line EDS: The web link for the on-line EDS is:

http://www.cityofchicago.org/city/en/depts/dps/provdrs/comp/svcs/economic_disclosurestatementseds.html.

The Contractor or each joint venture partner shall be required to submit with their bid, proposal or response, a fully executed Economic Disclosure Statement and Affidavit, which

Requirements for Bidding and Instructions for Bidders

includes a Disclosure for Retained Parties, on the form attached herein, signed by an authorized officer of the company before a notary which includes a certification that the Contractor or each joint venture partner, its agents, employees, officers and any subcontractors have not been engaged in or been convicted of bidrigging or bid-rotating activities as defined in the Economic Disclosure Statement and Affidavit. The certification is required in accordance with the Illinois Criminal Code.

22. Minority Business Enterprise Commitment, Women Business Enterprise Commitment, and Veteran Business Enterprise Commitment

The attention of bidders is directed to the Special Condition Regarding Minority-Owned Business Enterprise Commitment, Women-Owned Business Enterprise Commitment, and Veteran-Owned Business Enterprise Commitment and the Proposal Schedules that precede the Proposal form. If awarded the Contract, the bidder agrees to expend at least the percentage of the contract price indicated on bidder's Proposal Schedules for participation by bona fide Minority-Owned Business Enterprises, Women-Owned Business Enterprises, and Veteran-Owned Business Enterprises. Appropriate Schedules must be completed and executed by the bidder in submitting a proposal. Refer to Book 1.

23. Protests

The bidder shall submit any protests or claims regarding this solicitation to the office of the City's Chief Procurement Officer located at City Hall, 121 North LaSalle Street, Room 806, Chicago, Illinois 60602. More detailed rules regarding the submission of bid protests can be found on DPS's website.

A pre-bid protest must be filed no later than the five (5) working days before the bid opening date, a pre-award protest must be filed no later than 10 working days after the bid opening date, and a post-award protest must be filed no later than 10 working days after the award of the contract.

All protests or claims must set forth the name and address of the protester, the specification number, the grounds for the protest or claim, and the course of action that the protesting party desires that the Chief Procurement Officer take.

Copies of the Bid Protest Procedures are available on the DPS website.

24. [Intentionally omitted.]

25. Prevailing Wage Rates

When engaged in construction of a "public work," within the meaning of Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. ("the Act"), the Act requires Contractors and Subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly wages plus fringe benefits) in the county where the work is performed.

For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website at: www.state.il.us/agency/idol/rates/rates.HTM. All Contractors and Subcontractors rendering services under a Contract for the construction of a public work must comply with all requirements of the Act, including but not limited to, all wage, notice and record keeping duties.

Requirements for Bidding and Instructions for Bidders

The term general prevailing hourly rate, when used in this requirement will mean the hourly cash wages plus fringe benefits for health and welfare, insurance, vacations and pensions paid generally, in the locality in which the work is being performed, to employees engaged in work of a similar character on public works.

As a condition of making payment to the Contractor, the City may require the Contractor to submit an affidavit to the effect that not less than the prevailing hourly wage rate is being paid to laborers, mechanics and other workmen employed on this Contract in accordance with Illinois or federal law, as applicable.

26. Title VI Solicitation Notice

The City, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that for any contract entered into pursuant to this advertisement, business enterprises owned by disadvantaged individuals will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

27. Policy Prohibiting Sexual Harassment (Section 2-92-612 of the Chicago Municipal Code)

In accordance with Section 2-92-612, Bidder shall, as prescribed by the Chief Procurement Officer, attest by affidavit (in the form of the “Sexual Harassment Policy Affidavit” included in Book 2) that Bidder has a written policy prohibiting sexual harassment that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment; and (iii) the legal recourse available for victims of sexual harassment. Bidder shall include its “Sexual Harassment Policy Affidavit” with its bid submission.

28. Policy Regarding Non-Disclosure of Salary History (Section 2-92-385 of the Chicago Municipal Code)

In accordance with Section 2-92-385 of the Municipal Code of Chicago, Bidder shall, as prescribed by the Chief Procurement Officer, attest by affidavit (in Appendix C to Bidder’s Economic Disclosure Statement) that Bidder has a written policy (i) against screening job applicants based on their wage or salary history and (ii) seeking an applicant’s wage or salary history.

29. Exceptions

Any deviations from or exceptions to any provisions or requirements of the Bidding documents, including but not limited to the specifications of the goods and/or services to be provided, must be noted on the Proposal Page(s) or attached thereto, with the exact nature of the change outlined in sufficient detail. Bidder must provide the reason for which deviations were made. Failure of a Bidder to comply with the terms of this paragraph may be cause for rejection of its Bid.

Requirements for Bidding and Instructions for Bidders

If a Bidder takes exception to or deviates from any provision or requirement, the Chief Procurement Officer shall reject the Bid as non-responsive in the event that the Chief Procurement Officer, in his or her sole opinion, determines such exception(s) or deviations to be material.

AFFIDAVIT OF UNCOMPLETED WORK

(Complete this form by either typing or using black ink.)

PART I. WORK UNDER CONTRACT

List below all work you have under contract as either a prime contractor or a subcontractor, including all pending low bids not yet awarded or rejected.

	1	2	3	4	5	Awards Pending	
PROJECT							
CONTRACT WITH							
ESTIMATED COMPLETION DATE							
TOTAL CONTRACT PRICE							TOTAL
UNCOMPLETED DOLLAR VALUE							

PART II. UNCOMPLETED WORK TO BE DONE WITH YOUR OWN FORCES.

List below the uncompleted dollar value of work for each contract to be completed with your own forces including all work indicated as awards pending. All work subcontracted TO others will be listed on PART III of this form.

In a joint venture, list only that portion of the work to be done by your company.

							TOTALS
EXCAVATING & GRADING							
PCC BASE, C&G PAVING							
BIT CONCRETE PAVING							
STABILIZED BASE (BAM, CAM, PAM)							
AGGREGATE BASE AND FILL							
FOUNDATION (CAISSON & PILE)							
HIGHWAY STRUCTURES							
SEWER & DRAIN STRUCTURES							
PAINTING							
PAVEMENT MARKING							
SIGNING							
LANDSCAPING							
DEMOLITION							
FENCING							

AFFIDAVIT OF UNCOMPLETED WORK

		1	2	3	4	5	Awards Pending
OTHERS (LIST)							
STRUCT. STEEL (BLDG. CONST.)							
ORNAMENTAL STEEL (BLDG. CONST.)							
MISCELLANEOUS CONCRETE							
FIREPROOFING							
MASONRY							
H.V.A.C.							
MECHANICAL							
ELECTRICAL							
PLUMBING							
ROOFING & SHEET METAL							
FLOORING & TILE WORK							
DRYWALL AND PLASTER WORK							
CEILING CONST.							
HOLLOW METAL AND HARDWARE							
GLAZING AND CAULKING							
MISCELLANEOUS ARCH. WORK							
OTHERS (LIST)							
TOTALS							

REMARKS: _____

AFFIDAVIT OF UNCOMPLETED WORK

PART III. WORK SUBCONTRACTED TO OTHERS. List below the work, according to each contract on the preceding page, which you have a subcontracted to others. DO NOT include work to be performed by another prime contractor in a joint venture. No work may be indicated as subcontracted to others on awards pending. If no work is subcontracted to others, show NONE.

	1	2	3	4	5
SUBCONTRACTOR					
TYPE O F WORK					
SUBCONTRACT PRICE					
AMOUNT UNCOMPLETED					
SUBCONTRACTOR					
TYPE OF WORK					
SUBCONTRACT PRICE					
AMOUNT UNCOMPLETED					
SUBCONTRACTOR					
TYPE OF WORK					
SUBCONTRACT PRICE					
AMOUNT UNCOMPLETED					
SUBCONTRACTOR					
TYPE OF WORK					
SUBCONTRACT PRICE					
AMOUNT UNCOMPLETED					

AFFIDAVIT OF UNCOMPLETED WORK

	1	2	3	4	5
SUBCONTRACTOR					
TYPE OF WORK					
SUBCONTRACT PRICE					
AMOUNT UNCOMPLETED					

I, being duly sworn do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work including ALL subcontract work, ALL pending low bids not yet awarded or rejected, and ALL estimated completion dates.

Subscribed and sworn to before me Signed _____
 this _____ day of _____ 20____ Company _____
 Address _____

My commission expires _____

State of _____

County of _____

This instrument was acknowledged before me on this _____ day of _____, 20____ by _____
 as President (or other authorized officer) and _____ as Secretary of _____
 (Corporation Name).
 (Seal)

 Notary Public Signature
 Commission Expires: _____

PROPOSAL TO BE EXECUTED BY A CORPORATION

The undersigned, hereby acknowledges having received **Specification No.** click and type specification no. containing a full set of Contract Documents, including, but not limited to, 1) Instructions to Bidders (Proposers), 2) General Conditions, 3) Special Conditions, 4) Contract Plans or Drawings (if applicable) 5) Detailed Specifications or Scope of Services, Evaluation/Selection Criteria and Submittal Requirements (If RFP/RFQ), 6) Proposal Pages, 7) Certifications and 8) Addenda Nos. **(none unless indicated here)** _____, and affirms that the corporation shall be bound by all the terms and conditions contained in the Contract Documents, regardless of whether a complete set thereof is attached to this proposal, except only to the extent that the corporation has taken express written exception thereto in the sections of this specification designated for that purpose.

Under penalty of perjury, the undersigned: (1) warrants that he/she was authorized to submit an EDS on behalf of the Disclosing Party on-line; (2) warrants that all certifications and statements contained in the EDS are true, accurate and complete as of the date the EDS was submitted on-line; and (3) further warrants that, as of the date of submission of this proposal or bid, there have been no changes in Circumstances since the date that the EDS was submitted that would render any certification in the EDS false, inaccurate or incomplete.

Further, the undersigned being duly sworn deposes and says on oath that no disclosures of ownership interests have been withheld and the information provided therein to the best of its knowledge is current and the undersigned has not entered into any agreement with any other bidder (proposer) or prospective bidder (proposer) or with any other person, firm or corporation relating to the price named in this proposal or any other proposal, nor any agreement or arrangement under which any act or omission in restraint of freedom of competition among bidders (proposers) and has not disclosed to any person, firm or corporation the terms of this bid (proposal) or the price named herein.

Proposals must be submitted with original signatures in the space provided. Proposals not properly signed will be rejected.

NAME OF CORPORATION:

(Print or Type)

SIGNATURE OF PRESIDENT*:
(Or Authorized Officer)

(Signature)

TITLE OF SIGNATORY:

(Print or Type)

BUSINESS ADDRESS:

(Print or Type)

*Note: In the event that this bid (proposal) is signed by other than the President or Chief Executive Office, attach hereto a certified copy of that section of Corporate By-Laws or other authorization, such as a resolution by the Board of Directors, which permits the person to sign the offer for the Corporation. If a copy of the signing authority is not submitted with the bid, it may be requested by the CPO for bid evaluation purposes.

ATTEST:

(Corporate Secretary Signature)

(Affix Corporate Seal)

State of _____
County of _____

This instrument was acknowledged before me on this ____ day of _____, 20__ by _____ as President (or other authorized officer) and _____ as Secretary of _____ (Corporation Name).
(Seal)

Notary Public Signature

Commission Expires: _____

PROPOSAL TO BE EXECUTED BY A JOINT VENTURE

The undersigned, hereby acknowledges having received **Specification No.** click and type specification no. containing a full set of Contract Documents, including, but not limited to, 1) Instructions to Bidders (Proposers), 2) General Conditions, 3) Special Conditions, 4) Contract Plans or Drawings (if applicable) 5) Detailed Specifications or Scope of Services, Evaluation/Selection Criteria and Submittal Requirements (If RFP/RFQ), 6) Proposal Pages, 7) Certifications and 8) Addenda Nos. **(none unless indicated here)**, and affirms that the Joint Venture shall be bound by all the terms and conditions contained in the Contract Documents, regardless of whether a complete set thereof is attached to this proposal, except only to the extent that the Joint Venture has taken express written exception thereto in the sections of this specification designated for that purpose.

Under penalty of perjury, the undersigned: (1) warrants that he/she was authorized to submit an EDS on behalf of the Disclosing Party on-line; (2) warrants that all certifications and statements contained in the EDS are true, accurate and complete as of the date the EDS was submitted on-line; and (3) further warrants that, as of the date of submission of this proposal or bid, there have been no changes in Circumstances since the date that the EDS was submitted that would render any certification in the EDS false, inaccurate or incomplete.

Further, the undersigned being duly sworn deposes and says on oath that no disclosures of ownership interests have been withheld and the information provided therein to the best of its knowledge is current and the undersigned has not entered into any agreement with any other bidder (proposer) or prospective bidder (proposer) or with any other person, firm or corporation relating to the price named in this proposal or any other proposal, nor any agreement or arrangement under which any act or omission in restraining of free competition among bidders (proposers) and has not disclosed to any person, firm or corporation the terms of this bid (proposal) or the price named herein.

Proposals must be submitted with original signatures in the space provided. Proposals not properly signed will be rejected.

JOINT VENTURE NAME:

(Print or Type)

JOINT VENTURE ADDRESS:

(Print or Type)

If you are operating under an assumed name, provide County registration number herein under as provided in the Illinois Revised Statutes 1965 Chapter 96 Sec. 4 et seq.

Registration Number: _____

SIGNATURES AND ADDRESSES OF ALL MEMBERS OF THE JOINT VENTURE

(If all members of the Joint Venture do not sign, indicate authority of signatories by attaching copy of Joint Venture agreement or other authorizing document):

SIGNATURE OF Authorized Party: _____

(Signature)

TITLE OF SIGNATORY: _____

(Print or Type)

BUSINESS ADDRESS:

(Print or Type)

ATTEST:

(Joint Venture Secretary Signature)
(Affix Joint Venture Seal)

OR

Joint Venturer Signature: _____

(Signature)

Address: _____

(Print or Type)

Joint Venturer Signature: _____

(Signature)

Address: _____

(Print or Type)

Joint Venturer Signature: _____

City Funded

Instructions and Execution Documents (Rev. September 2018)

Address: _____
(Signature)

(Print or Type)

State of _____
County of _____

This instrument was acknowledged before me on this _____ day of _____, 20____ by _____ as President (or other authorized officer) and _____ as Secretary of _____ (Corporation Name).
(Seal)

Notary Public Signature
Commission Expires: _____

PROPOSAL TO BE EXECUTED BY A PARTNERSHIP

The undersigned, hereby acknowledges having received **Specification No.** click and type specification no. containing a full set of Contract Documents, including, but not limited to, 1) Instructions to Bidders (Proposers), 2) General Conditions, 3) Special Conditions, 4) Contract Plans or Drawings (if applicable) 5) Detailed Specifications or Scope of Services, Evaluation/Selection Criteria and Submittal Requirements (If RFP/RFQ), 6) Proposal Pages, 7) Certifications and 8) Addenda Nos. **(none unless indicated here)** _____, and affirms that the partnership shall be bound by all the terms and conditions contained in the Contract Documents, regardless of whether a complete set thereof is attached to this proposal, except only to the extent that the partnership has taken express written exception thereto in the sections of this specification designated for that purpose.

Under penalty of perjury, the undersigned: (1) warrants that he/she was authorized to submit an EDS on behalf of the Disclosing Party on-line; (2) warrants that all certifications and statements contained in the EDS are true, accurate and complete as of the date the EDS was submitted on-line; and (3) further warrants that, as of the date of submission of this proposal or bid, there have been no changes in Circumstances since the date that the EDS was submitted that would render any certification in the EDS false, inaccurate or incomplete.

Further, the undersigned being duly sworn deposes and says on oath that no disclosures of ownership interests have been withheld and the information provided therein to the best of its knowledge is current and the undersigned has not entered into any agreement with any other bidder (proposer) or prospective bidder (proposer) or with any other person, firm or corporation relating to the price named in this proposal or any other proposal, nor any agreement or arrangement under which any act or omission in restraining of free competition among bidders (proposers) and has not disclosed to any person, firm or corporation the terms of this bid (proposal) or the price named herein.

Proposals must be submitted with original signatures in the space provided. Proposals not properly signed will be rejected.

BUSINESS NAME: _____

(Print or Type)

BUSINESS ADDRESS: _____

(Print or Type)

If you are operating under an assumed name, provide County registration number herein under as provided in the Illinois Revised Statutes 1965 Chapter 96 Sec. 4 et seq.

Registration Number: _____

SIGNATURES AND ADDRESSES OF ALL MEMBERS OF THE PARTNERSHIP

(If all General Partners do not sign, indicate authority of partner signatories by attaching copy of partnership agreement or other authorizing document):

Partner Signature: _____

(Signature)

Address: _____

(Print or Type)

Partner Signature: _____

(Signature)

Address: _____

(Print or Type)

Partner Signature: _____

(Signature)

Address: _____

(Print or Type)

State of _____

County of _____

This instrument was acknowledged before me on this ____ day of _____, 20__ by _____ as President (or other authorized officer) and _____ as Secretary of _____ (Corporation Name).
(Seal)

Notary Public Signature

Commision Expires: _____

PROPOSAL TO BE EXECUTED BY A SOLE PROPRIETOR

The undersigned, hereby acknowledges having received **Specification No.** click and type specification no. containing a full set of Contract Documents, including, but not limited to, 1) Instructions to Bidders (Proposers), 2) General Conditions, 3) Special Conditions, 4) Contract Plans or Drawings (if applicable) 5) Detailed Specifications or Scope of Services, Evaluation/Selection Criteria and Submittal Requirements (If RFP/RFQ), 6) Proposal Pages, 7) Certifications and 8) Addenda Nos. **(none unless indicated here)** _____, and affirms that the sole proprietor shall be bound by all the terms and conditions contained in the Contract Documents, regardless of whether a complete set thereof is attached to this proposal, except only to the extent that the sole proprietor has taken express written exception thereto in the sections of this specification designated for that purpose.

Under penalty of perjury, the undersigned: (1) warrants that he/she was authorized to submit an EDS on behalf of the Disclosing Party on-line; (2) warrants that all certifications and statements contained in the EDS are true, accurate and complete as of the date the EDS was submitted on-line; and (3) further warrants that, as of the date of submission of this proposal or bid, there have been no changes in Circumstances since the date that the EDS was submitted that would render any certification in the EDS false, inaccurate or incomplete.

Further, the undersigned being duly sworn deposes and says on oath that no disclosures of ownership interests have been withheld and the information provided therein to the best of its knowledge is current and the undersigned has not entered into any agreement with any other bidder (proposer) or prospective bidder (proposer) or with any other person, firm or corporation relating to the price named in this proposal or any other proposal, nor any agreement or arrangement under which any act or omission in restraining of free competition among bidders (proposers) and has not disclosed to any person, firm or corporation the terms of this bid (proposal) or the price named herein.

Proposals must be submitted with original signatures in the space provided. Proposals not properly signed will be rejected.

SIGNATURE OF PROPRIETOR:

(Signature)

DOING BUSINESS AS:

(Print or Type)

Business Address:

(Print or Type)

If you are operating under an assumed name, provide County registration number herein under as provided in the Illinois Revised Statutes 1965 Chapter 96 Sec. 4 et seq.

Registration Number:

(Print or Type)

State of _____

County of _____

This instrument was acknowledged before me on this ____ day of _____, 20__ by _____ as President (or other authorized officer) and _____ as Secretary of _____ (Corporation Name).
(Seal)

Notary Public Signature

Commission Expires: _____

PROPOSAL ACCEPTANCE

Contract No.: _____

Specification No.: _____

Vendor Name: _____

Total Amount (Value): _____

Fund Chargeable: _____

The undersigned, on behalf of the CITY OF CHICAGO, a municipal corporation of the State of Illinois, hereby accept the foregoing bid items as identified in the proposal.

CITY OF CHICAGO

Mayor Date

Comptroller Date

Chief Procurement Officer Date

SCHEDULE B: MBE/WBE/VBE Affidavit of Joint Venture

- 1) All information requested on this schedule must be answered in the spaces provided. Do not refer to your joint venture agreement except to expand on answers provided on this form. If additional space is required, attach additional sheets. **In all proposed joint ventures, each MBE, WBE, and/or VBE venturer must submit a copy of its current Letter of Certification.**

I. Name of joint venture: _____
 Address: _____
 Telephone number of joint venture: _____

II. Email address: _____
 Name of non-MBE/WBE/VBE venturer: _____
 Address: _____
 Telephone number: _____
 Email address: _____
 Contact person for matters concerning MBE/WBE/VBE compliance: _____

III. Name of MBE/WBE/VBE venturer: _____
 Address: _____
 Telephone number: _____
 Email address: _____
 Contact person for matters concerning MBE/WBE/VBE compliance: _____

IV. Describe the role(s) of the MBE, WBE, and/or VBE venturer(s) in the joint venture: _____

V. Attach a copy of the joint venture agreement.

In order to demonstrate the MBE, WBE, and/or VBE joint venture partner's share in the capital contribution, control, management, risks and profits of the joint venture is equal to its ownership interest, the proposed joint venture agreement must include specific details related to: (1) the contributions of capital, personnel and equipment and share of the costs of bonding and insurance; (2) work items to be performed by the MBE/WBE/VBE's own forces; (3) work items to be performed under the supervision of the MBE/WBE/VBE venturer; and (4) the commitment of management, supervisory and operative personnel employed by the MBE/WBE/VBE to be dedicated to the performance of the project.

VI. Ownership of the Joint Venture.

A. What is the percentage(s) of MBE/WBE/VBE ownership of the joint venture?
 MBE/WBE/VBE ownership percentage(s) _____
 Non-MBE/WBE/VBE ownership percentage(s) _____

B. Specify MBE/WBE/VBE percentages for each of the following (provide narrative descriptions and other details as applicable):

1. Profit and loss sharing: _____

2. Capital contributions:
 a. Dollar amounts of initial contribution: _____
 b. Dollar amounts of anticipated on-going contributions: _____

3. Contributions of equipment (Specify types, quality and quantities of equipment to be provided by each venturer):

4. Other applicable ownership interests, including ownership options or other agreements which restrict or limit ownership and/or control: _____

5. Costs of bonding (if required for the performance of the contract):

6. Costs of insurance (if required for the performance of the contract):

- C. Provide copies of all written agreements between venturers concerning this project.
- D. Identify each current City of Chicago contract and each contract completed during the past two years by a joint venture of two or more firms participating in this joint venture:

VII. Control of and Participation in the Joint Venture.

Identify by name and firm those individuals who are, or will be, responsible for, and have the authority to engage in the following management functions and policy decisions. Indicate any limitations to their authority such as dollar limits and co-signatory requirements:

- A. Joint venture check signing:

- B. Authority to enter contracts on behalf of the joint venture:

- C. Signing, co-signing and/or collateralizing loans:

- D. Acquisition of lines of credit:

E. Acquisition and indemnification of payment and performance bonds:

F. Negotiating and signing labor agreements:

G. Management of contract performance. (Identify by name and firm only):

1. Supervision of field operations: _____
2. Major purchases: _____
3. Estimating: _____
4. Engineering: _____

VIII. Financial Controls of joint venture:

A. Which firm and/or individual will be responsible for keeping the books of account?

B. Identify the "managing partner," if any, and describe the means and measure of his/her compensation:

C. What authority does each venturer have to commit or obligate the other to insurance and bonding companies, financing institutions, suppliers, subcontractors, and/or other parties participating in the performance of this contract or the work of this project?

IX. State the approximate number of operative personnel by trade needed to perform the joint venture's work under this contract. Indicate whether they will be employees of the non-MBE/WBE/VBE firm, the MBE/WBE/VBE firm, or the joint venture.

Trade	Non-MBE/WBE/VBE Firm (Number)	MBE/WBE/VBE (Number)	Joint Venture (Number)

X. If any personnel proposed for this project will be employees of the joint venture:

A. Are any proposed joint venture employees currently employed by either venturer?
 Currently employed by non-MBE/WBE/VBE venturer (number) ____
 Employed by MBE/WBE/VBE venturer _____

B. Identify by name and firm the individual who will be responsible for hiring joint venture employees:

C. Which venturer will be responsible for the preparation of joint venture payrolls:

XI. Please state any material facts of additional information pertinent to the control and structure of this joint venture.

The undersigned affirms that the foregoing statements are correct and include all material information necessary to identify and explain the terms and operations of our joint venture and the intended participation of each venturer in the undertaking. Further, the undersigned covenant and agree to provide to the City current, complete and accurate information regarding actual joint venture work and the payment therefore, and any proposed changes in any provision of the joint venture agreement, and to permit the audit and examination of the books, records and files of the joint venture, or those of each venturer relevant to the joint venture by authorized representatives of the City or the Federal funding agency.

Any material misrepresentation will be grounds for terminating any contract that may be awarded and for initiating action under federal or state laws concerning false statements.

Note: If, after filing this Schedule B and before the completion on the joint venture's work on the project, there is any change in the information submitted, the joint venture must inform the City of Chicago, either directly or through the prime contractor if the joint venture is a subcontractor.

 Name of MBE/WBE/VBE Partner Firm

 Name of Non-MBE/WBE/VBE Partner Firm

 Signature of Affiant

 Signature of Affiant

 Name and Title of Affiant

 Name and Title of Affiant

 Date

 Date

On this __ day of _____, 20 __, the above-signed officers

 (names of affiants)

personally appeared and, known to me be the persons described in the foregoing Affidavit, acknowledged that they executed the same in the capacity therein stated and for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

 Signature of Notary Public

My Commission Expires: _____ (Seal)



SCHEDULE C: MBE/WBE Letter of Intent to Perform as a Subcontractor to the Prime Contractor

NOTICE: THIS SCHEDULE MUST BE AUTHORIZED AND SIGNED BY THE MBE/WBE SUBCONTRACTOR FIRM. FAILURE TO COMPLY MAY RESULT IN THE BID BEING REJECTED AS NON-RESPONSIVE.

Project Name: _____ Specification No.: _____

From: _____
(Name of MBE/WBE Firm)

To: _____ and the City of Chicago.
(Name of Prime Contractor)

The MBE or WBE status of the undersigned is confirmed by the attached City of Chicago or Cook County Certification Letter. 100% MBE or WBE participation is credited for the use of a MBE or WBE "manufacturer." 60% participation is credited for the use of a MBE or WBE "regular dealer."

The undersigned is prepared to perform the following services in connection with the above named project/contract. If more space is required to fully describe the MBE or WBE proposed scope of work and/or payment schedule, attach additional sheets as necessary. The description must establish that the undersigned is performing a commercially useful function:

The above described performance is offered for the following price and described terms of payment:

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C) (Date)

(Name/Title-Please Print) (Company Name-Please Print)

(Signature of President/Owner/CEO or Authorized Agent of MBE/WBE) (Date)

(Name/Title-Please Print)

Schedule C: MBE/WBE Letter of Intent to Perform as a Subcontractor to the Prime Contractor**Partial Pay Items**

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

SUB-SUBCONTRACTING LEVELS

A zero (0) must be shown in each blank if the MBE or WBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to non MBE/WBE contractors.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to MBE or WBE contractors.

NOTICE: If any of the MBE or WBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. MBE/WBE credit will not be given for work subcontracted to Non-MBE/WBE contractors, except for as allowed in the Special Conditions Regarding Minority Business Enterprise Commitment and Women Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

The undersigned has entered into a formal written mentor protégé agreement as a subcontractor/protégé with you as a Prime Contractor/mentor. () Yes () No

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C)_____
(Date)_____
(Name/Title-Please Print)_____
(Company Name-Please Print)_____
(Email & Phone Number)_____
(Signature of President/Owner/CEO or Authorized Agent of MBE/WBE)_____
(Date)_____
(Name/Title-Please Print)_____
(Email & Phone Number)



SCHEDULE C
MBE/WBE Letter of Intent to Perform as a
2nd Tier Subcontractor to the Prime Contractor

**FOR
CONSTRUCTION
PROJECTS ONLY**

NOTICE: THIS SCHEDULE MUST BE AUTHORIZED AND SIGNED BY THE MBE/WBE SUBCONTRACTOR FIRM. FAILURE TO COMPLY MAY RESULT IN THE BID BEING REJECTED AS NON-RESPONSIVE.

Project Name: _____ Specification No.: _____

From: _____
 (Name of MBE/WBE Firm)

To: _____
 (Name of 1st Tier Contractor)

To: _____ and the City of Chicago.
 (Name of Prime Contractor)

The MBE or WBE status of the undersigned is confirmed by the attached City of Chicago or Cook County Certification Letter. 100% MBE or WBE participation is credited for the use of a MBE or WBE "manufacturer." 60% participation is credited for the use of a MBE or WBE "regular dealer."

The undersigned is prepared to perform the following services in connection with the above named project/contract. If more space is required to fully describe the MBE or WBE proposed scope of work and/or payment schedule, attach additional sheets as necessary. The description must establish that the undersigned is performing a commercially useful function:

The above described performance is offered for the following price and described terms of payment:

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

 (If not the undersigned, signature of person who filled out this Schedule C) (Date)

 (Name/Title-Please Print) (Company Name-Please Print)

 (Signature of President/Owner/CEO or Authorized Agent of MBE/WBE) (Date)

 (Name/Title-Please Print)

Schedule C: MBE/WBE Letter of Intent to Perform as a 2nd Tier Subcontractor to the Prime Contractor**Partial Pay Items**

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

SUB-SUBCONTRACTING LEVELS

A zero (0) must be shown in each blank if the MBE or WBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to non MBE/WBE contractors.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to MBE or WBE contractors.

NOTICE: If any of the MBE or WBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. MBE/WBE credit will not be given for work subcontracted to Non-MBE/WBE contractors, except for as allowed in the Special Conditions Regarding Minority Business Enterprise Commitment and Women Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

The undersigned has entered into a formal written mentor protégé agreement as a subcontractor/protégé with you as a Prime Contractor/mentor: () Yes () No

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C)_____
(Date)_____
(Name/Title-Please Print)_____
(Company Name-Please Print)_____
(Email & Phone Number)_____
(Signature of President/Owner/CEO or Authorized Agent of MBE/WBE)_____
(Date)_____
(Name/Title-Please Print)_____
(Email & Phone Number)

SCHEDULE C (Construction): MBE/WBE Letter of Intent to Perform as a SUPPLIER

Project Name: _____ Specification Number: _____

From: _____
(Name of MBE or WBE Firm)To: _____ and the City of Chicago:
(Name of Prime Contractor)

The MBE or WBE status of the undersigned is confirmed by the attached City of Chicago or Cook County Certification Letter. 100% MBE or WBE participation is credited for the use of a MBE or WBE "manufacturer". 60% participation is credited for the use of a MBE or WBE "regular dealer". The undersigned is prepared to supply the following goods in connection with the above named project/contract. On a separate sheet, fully describe the MBE or WBE proposed scope of work and/or payment schedule, including a description of the commercially useful function being performed. Attach additional sheets as necessary:

Pay Item No. / Description	Quantity / Unit Price	Total
_____	_____	_____
_____	_____	_____
_____	_____	_____
Line 1: Sub Total:		\$ _____
Line 2: Total @ 100%:		\$ _____
Line 3: Total @ 60%:		\$ _____

Partial Pay Items.

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

Pay Item No. / Description	Quantity / Unit Price	Total
_____	_____	_____
_____	_____	_____
_____	_____	_____
Line 1: Sub Total:		\$ _____
Line 2: Total @ 100%:		\$ _____
Line 3: Total @ 60%:		\$ _____

SUB-SUBCONTRACTING LEVELS - A zero (0) must be shown in each blank if the MBE or WBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to non-MBE/WBE contractors.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to MBE or WBE contractors.

NOTICE: If any of the MBE or WBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. MBE/WBE credit will not be given for work subcontracted to non-MBE/WBE contractors, except for as allowed in the Special Conditions Regarding Minority Business Enterprise Commitment and Women Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

The undersigned has entered into a formal written mentor protégé agreement as a subcontractor/protégé with you as a Prime Contractor/mentor: () Yes () No

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES.

Signature of Owner, President or Authorized Agent of MBE or WBE

Date

Name /Title (Print)

Phone Number

Email Address



SCHEDULE C-V

VBE Letter of Intent to

Perform as a Subcontractor to the Prime Contractor

**FOR
CONSTRUCTION
PROJECTS ONLY**

NOTICE: THIS SCHEDULE MUST BE AUTHORIZED AND SIGNED BY THE VBE SUBCONTRACTOR FIRM. FAILURE TO COMPLY MAY RESULT IN THE BID BEING REJECTED AS NON-RESPONSIVE.

Project Name: _____ Specification No.: _____

From: _____
(Name of VBE Firm)

To: _____ and the City of Chicago.
(Name of Prime Contractor)

The VBE status of the undersigned is confirmed by the attached City of Chicago Certification Letter. 100% VBE participation is credited for the use of a VBE "manufacturer." 60% participation is credited for the use of a VBE "regular dealer."

The undersigned is prepared to perform the following services in connection with the above named project/contract. If more space is required to fully describe the VBE proposed scope of work and/or payment schedule, attach additional sheets as necessary. The description must establish that the undersigned is performing a commercially useful function:

The above described performance is offered for the following price and described terms of payment:

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C-V)

(Date)

(Name/Title-Please Print)

(Company Name-Please Print)

(Signature of President/Owner/CEO or Authorized Agent of VBE)

(Date)

(Name/Title-Please Print)

Schedule C-V: VBE Letter of Intent to Perform as a Subcontractor to the Prime Contractor**Partial Pay Items**

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

SUB-SUBCONTRACTING LEVELS

A zero (0) must be shown in each blank if the VBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the VBE subcontract that will be subcontracted to non-VBE contractors.

_____ % of the dollar value of the VBE subcontract that will be subcontracted to VBE contractors.

NOTICE: If any of the VBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. VBE credit will not be given for work subcontracted to Non-VBE contractors, except for as allowed in the Special Conditions Regarding Minority-owned Business Enterprise, Women-owned Business Enterprise, and Veteran-owned Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C-V)_____
(Date)_____
(Name/Title-Please Print)_____
(Company Name-Please Print)_____
(Email & Phone Number)_____
(Signature of President/Owner/CEO or Authorized Agent of VBE)_____
(Date)_____
(Name/Title-Please Print)_____
(Email & Phone Number)



SCHEDULE C-V

VBE Letter of Intent to Perform as a 2nd Tier Subcontractor to the Prime Contractor

**FOR
CONSTRUCTION
PROJECTS ONLY**

NOTICE: THIS SCHEDULE MUST BE AUTHORIZED AND SIGNED BY THE VBE SUBCONTRACTOR FIRM. FAILURE TO COMPLY MAY RESULT IN THE BID BEING REJECTED AS NON-RESPONSIVE.

Project Name: _____ Specification No.: _____

From: _____
(Name of VBE Firm)

To: _____
(Name of 1st Tier Contractor)

To: _____ and the City of Chicago.
(Name of Prime Contractor)

The VBE status of the undersigned is confirmed by the attached City of Chicago or Cook County Certification Letter. 100% VBE participation is credited for the use of a VBE "manufacturer." 60% participation is credited for the use of a VBE "regular dealer."

The undersigned is prepared to perform the following services in connection with the above-named project/contract. If more space is required to fully describe the VBE proposed scope of work and/or payment schedule, attach additional sheets as necessary. The description must establish that the undersigned is performing a commercially useful function:

The above described performance is offered for the following price and described terms of payment:

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C-V) (Date)

(Name/Title-Please Print) (Company Name-Please Print)

(Signature of President/Owner/CEO or Authorized Agent of VBE) (Date)

(Name/Title-Please Print)

Schedule C-V: VBE Letter of Intent to Perform as a 2nd Tier Subcontractor to the Prime Contractor**Partial Pay Items**

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

<u>Pay Item No./Description</u>	<u>Quantity/Unit Price</u>	<u>Total</u>

Subtotal: \$ _____

Total @ 100%: \$ _____

Total @ 60% (if the undersigned is performing work as a regular dealer): \$ _____

SUB-SUBCONTRACTING LEVELS

A zero (0) must be shown in each blank if the VBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the VBE subcontract that will be subcontracted to non-VBE contractors.

_____ % of the dollar value of the MBE or WBE subcontract that will be subcontracted to VBE contractors.

NOTICE: If any of the VBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. VBE credit will not be given for work subcontracted to Non-VBE contractors, except for as allowed in the Special Conditions Regarding Minority-owned Business Enterprise, Women-owned Business Enterprise, and Veteran-owned Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES ON EACH PAGE.

(If not the undersigned, signature of person who filled out this Schedule C-V)_____
(Date)_____
(Name/Title-Please Print)_____
(Company Name-Please Print)_____
(Email & Phone Number)_____
(Signature of President/Owner/CEO or Authorized Agent of VBE)_____
(Date)_____
(Name/Title-Please Print)_____
(Email & Phone Number)



SCHEDULE C-V (Construction)

VBE Letter of Intent to Perform as a SUPPLIER

**FOR
CONSTRUCTION
PROJECTS ONLY**

Project Name: _____

Specification Number: _____

From: _____
(Name of VBE Firm)To: _____ and the City of Chicago:
(Name of Prime Contractor)

The VBE status of the undersigned is confirmed by the attached City of Chicago or Cook County Certification Letter. 100% VBE participation is credited for the use of a VBE "manufacturer". 60% participation is credited for the use of a VBE "regular dealer". The undersigned is prepared to supply the following goods in connection with the above-named project/contract. On a separate sheet, fully describe the VBE proposed scope of work and/or payment schedule, including a description of the commercially useful function being performed. Attach additional sheets as necessary:

Pay Item No. / Description	Quantity / Unit Price	Total
_____	_____	_____
_____	_____	_____
_____	_____	_____
Line 1: Sub Total:		\$ _____
Line 2: Total @ 100%:		\$ _____
Line 3: Total @ 60%:		\$ _____

Partial Pay Items.

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount(s):

Pay Item No. / Description	Quantity / Unit Price	Total
_____	_____	_____
_____	_____	_____
_____	_____	_____
Line 1: Sub Total:		\$ _____
Line 2: Total @ 100%:		\$ _____
Line 3: Total @ 60%:		\$ _____

SUB-SUBCONTRACTING LEVELS - A zero (0) must be shown in each blank if the VBE will not be subcontracting any of the work listed or attached to this schedule.

_____ % of the dollar value of the VBE subcontract that will be subcontracted to non-VBE contractors.

_____ % of the dollar value of the VBE subcontract that will be subcontracted to VBE contractors.

NOTICE: If any of the VBE scope of work will be subcontracted, list the name of the vendor and attach a brief explanation, description and pay item number of the work that will be subcontracted. VBE credit will not be given for work subcontracted to non-VBE contractors, except for as allowed in the Special Conditions Regarding Minority-owned Business Enterprise, Women-owned Business Enterprise, and Veteran-owned Business Enterprise Commitment in Construction Contracts.

The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, within three (3) business days of your receipt of a signed contract from the City of Chicago.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in the undersigned. Provide names of such individuals and their respective ownership percentages, or indicate "none." Attach additional sheets if necessary: _____

NOTICE: THIS SCHEDULE AND ATTACHMENTS REQUIRE ORIGINAL SIGNATURES.

Signature of Owner, President or Authorized Agent of VBE Date

Name /Title (Print)

Phone Number

Email Address

**FOR
CONSTRUCTION
PROJECTS ONLY**



**SCHEDULE D: Compliance Plan Regarding MBE & WBE Utilization
Affidavit of Prime Contractor**

**MUST BE SUBMITTED WITH THE BID. FAILURE TO SUBMIT THE SCHEDULE D WILL CAUSE THE
BID TO BE REJECTED. DUPLICATE AS NEEDED.**

Project Name: _____

Specification No.: _____

In connection with the above captioned contract, I HEREBY DECLARE AND AFFIRM that I am the

_____ and a duly authorized representative of
(Title of Affiant)

_____.
(Name of Prime Contractor)

and that I have personally reviewed the material and facts set forth in the attached Schedule Cs regarding Minority Business Enterprise and Women Business Enterprise (MBE/WBE) to perform as subcontractor, Joint Venture Agreement, and Schedule B (if applicable). All MBEs and WBEs must be certified with the City of Chicago or Cook County in the area(s) of specialty listed.

<u>Name of MBE</u>	<u>Type of Work to be Performed in accordance with Schedule Cs</u>	<u>Total MBE Participation in dollars</u>	<u>MBE Participation in percentage</u>	<u>Mentor Protégé Program Credit Claimed</u>	<u>Total MBE Participation in percentage</u>
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%

<u>Name of WBE</u>	<u>Type of Work to be Performed in accordance with Schedule Cs</u>	<u>Total WBE Participation in dollars</u>	<u>WBE Participation in percentage</u>	<u>Mentor Protégé Program Credit Claimed</u>	<u>Total WBE Participation in percentage</u>
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%
		\$	%	%	%

☐ Check here if the following is applicable: The Prime Contractor intends to enter into mentor protégé agreements with certain MBEs/WBEs listed above as indicated by entries in the "Mentor Protégé Program Credit Claimed" column. Copies of each proposed mentoring program, executed by authorized representatives of the Prime Contractor and respective subcontractor, are attached to this Schedule D. The Prime Contractor may claim an additional 0.5 percent participation credit (up to a maximum of five (5) percent) for every one (1) percent of the value of the contract performed by the MBE/WBE protégé firm.

Total MBE Participation \$ _____

Total MBE Participation % (including any Mentor Protégé Program credit) _____

Total WBE Participation \$ _____

Total WBE Participation % (including any Mentor Protégé Program credit) _____

Total Bid \$ _____

To the best of my knowledge, information and belief the facts and representations contained in the aforementioned attached Schedules are true, and no material facts have been omitted.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in any MBE or WBE listed in this Schedule D. Provide names of such individuals and their respective ownership percentages, and identify the MBE/WBE firms in which such ownership is held, or indicate "none." Add additional sheets if necessary:

The Prime Contractor designates the following person as its MBE/WBE Liaison Officer:

(Name- Please Print or Type)

(Phone)

I DO SOLEMNLY DECLARE AND AFFIRM UNDER PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED ON BEHALF OF THE PRIME CONTRACTOR TO MAKE THIS AFFIDAVIT.

(Name of Prime Contractor – Print or Type)

State of: _____

(Signature)

County of: _____

(Name/Title of Affiant – Print or Type)

(Date)

On this _____ day of _____, 20_____, the above signed officer _____
(Name of Affiant)

personally appeared and, known by me to be the person described in the foregoing Affidavit, acknowledged that (s)he executed the same in the capacity stated therein and for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

(Notary Public Signature)

SEAL:

Commission Expires: _____



SCHEDULE D-V
Compliance Plan Regarding VBE Utilization
Affidavit of Prime Contractor

MUST BE SUBMITTED WITH THE BID. FAILURE TO SUBMIT THE SCHEDULE D WILL CAUSE THE BID TO BE REJECTED. DUPLICATE AS NEEDED.

Project Name: _____

Specification No.: _____

In connection with the above captioned contract, I HEREBY DECLARE AND AFFIRM that I am the

_____ and a duly authorized representative of
 (Title of Affiant)

_____.
 (Name of Prime Contractor)

and that I have personally reviewed the material and facts set forth in the attached Schedule C-Vs regarding VBEs to perform as subcontractors, Joint Venture Agreement, and Schedule B (if applicable). All VBEs must be certified with the City of Chicago in the area(s) of specialty listed.

<u>Name of VBE</u>	<u>Type of Work to be Performed in accordance with Schedule C-Vs</u>	<u>Total VBE Participation in dollars</u>	<u>VBE Participation in percentage</u>
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%
		\$	%

Total VBE Participation \$ _____

Total VBE Participation % _____

Total Bid \$ _____

To the best of my knowledge, information and belief the facts and representations contained in the aforementioned attached Schedules are true, and no material facts have been omitted.

One or more owners or principals of the Prime Contractor () does / () does not have an ownership interest in any VBE listed in this Schedule D-V. Provide names of such individuals and their respective ownership percentages, and identify the VBE firms in which such ownership is held, or indicate "none." Add additional sheets if necessary:

The Prime Contractor designates the following person as its VBE Liaison Officer:

(Name- Please Print or Type)

(Phone)

I DO SOLEMNLY DECLARE AND AFFIRM UNDER PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED ON BEHALF OF THE PRIME CONTRACTOR TO MAKE THIS AFFIDAVIT.

(Name of Prime Contractor – Print or Type)

State of: _____

(Signature)

County of: _____

(Name/Title of Affiant – Print or Type)

(Date)

On this _____ day of _____, 20____, the above signed officer _____ (Name of Affiant)

personally appeared and, known by me to be the person described in the foregoing Affidavit, acknowledged that (s)he executed the same in the capacity stated therein and for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

(Notary Public Signature)

SEAL:

Commission Expires: _____

SCHEDULE F: REPORT OF SUBCONTRACTOR SOLICITATIONS FOR CONSTRUCTION CONTRACTS

Submit Schedule F with the bid. Failure to submit the Schedule F may cause the bid to be rejected.

Duplicate sheets as needed.

Project Name: _____

Specification #: _____

I, _____ on behalf of _____
(Name of reporter) (Prime contractor)

(A) have either personally solicited, or permitted a duly authorized representative of this firm to solicit, work for this contract from the following subcontractors which comprise all MBE/WBE/VBE and non-MBE/WBE/VBE subcontractors who bid or quoted price information on this contract

Company Name _____

Business Address _____

Contact Person _____

Date of contact _____

Method of contact _____

Response to solicitation _____

Type of Work Solicited _____

Please circle each classification that applies:

MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____

Business Address _____

Contact Person _____

Date of contact _____

Method of contact _____

Response to solicitation _____

Type of Work Solicited _____

Please circle each classification that applies:

MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____

Business Address _____

Contact Person _____

Date of contact _____

Method of contact _____

Response to solicitation _____

Type of Work Solicited _____

Please circle each classification that applies:

MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____
Please circle each classification that applies:
MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____
Please circle each classification that applies:
MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____
Please circle each classification that applies:
MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____
Please circle each classification that applies:
MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____
Please circle each classification that applies:
MBE Certified WBE Certified VBE Certified Non- Certified

Company Name _____
Business Address _____
Contact Person _____
Date of contact _____
Method of contact _____
Response to solicitation _____
Type of Work Solicited _____

Please circle each classification that applies:

MBE Certified WBE Certified VBE Certified Non- Certified

I DO SOLEMNLY DECLARE AND AFFIRM UNDER PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED ON BEHALF OF THE PRIME CONTRACTOR TO MAKE THIS AFFIDAVIT.

(Name of Prime Contractor - Print or Type)

(Signature)

(Name/Title of Affiant) - Print or Type)

(Date)

On this _____ day of _____, 20____,

the above signed officer, _____,
(Name of Affiant)

personally appeared and, known by me to be the person described in the foregoing Affidavit, acknowledged that (s)he executed the same in the capacity stated therein and for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

Notary Public Signature

(Seal)

Commission Expires: _____

SCHEDULE H: DOCUMENTATION OF GOOD FAITH EFFORTS TO UTILIZE MBEs AND WBEs, and VBEs ON CONSTRUCTION CONTRACT

Project Name: _____
Specification # _____

The Department of Procurement Services reserves the right to audit and verify all Good Faith Efforts as a condition of award. Material misrepresentations and omissions shall cause the bid to be rejected.

- (B) The following is documentation and explanation of the bidder's Good Faith Efforts to meet the contract specific goals as described in the Good Faith Efforts Checklist as part of Schedule D. The Schedule D cannot be modified without the written approval of DPS.

I, _____ on behalf of _____
(Name of reporter) (Prime contractor)

have determined that it is unable to meet the contract specific goals in full or in part as set forth in the Special Conditions Regarding Minority Owned Business Enterprise, Women Business Enterprise, and Veteran Owned Business Enterprise Commitment in Construction Contracts. I hereby declare and affirm that the following good faith efforts were undertaken by the Bidder/Contractor to meet the MBE, WBE, and/or VBE contract specific goals of this project.

Good Faith Efforts Checklist from Schedule D Attach additional sheets as needed.

- _____ Solicited through reasonable and available means at least 50% (or at least 5 when there are more than 11 certified firms in the commodity area) of MBEs, WBEs, and VBEs certified in the anticipated scopes of subcontracting of the contract, within sufficient time to allow them to respond, as described in the Schedule F.
Attach copies of written notices sent to MBEs, WBEs, and VBEs.
- _____ Provided timely and adequate information about the plan, specifications and requirements of the contract.
Attach copies of contract information provided to MBEs, WBEs, and VBEs.
- _____ Advertised the contract opportunities in media and other venues oriented toward MBEs, WBEs, and VBEs.
Attach copies of advertisements.
- _____ Negotiated in good faith with interested MBEs, WBEs, or VBEs that have submitted bids and thoroughly investigated their capabilities.
Attach Schedule F, Report of Subcontractor Solicitations for Construction Contracts.
- _____ Selected those portions of the work or material consistent with the available MBE, WBE, or VBE subcontractors and suppliers, including, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE, WBE, or VBE participation.
Describe selection of scopes of work solicited from MBEs, WBEs, and VBEs and efforts to break out work items.

**SCHEDULE H: DOCUMENTATION OF GOOD FAITH EFFORTS
TO UTILIZE MBES, WBEs, AND VBEs ON CONSTRUCTION CONTRACT**

____ Made efforts to assist interested MBEs, WBEs, or VBEs in obtaining bonding, lines of credit, or insurance as required by the City or bidder or contractor.

Describe assistance efforts.

____ Made efforts to assist interested MBEs, WBEs, or VBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

Describe assistance efforts.

____ Effectively used the services of the City; minority or women community organizations; minority or women assistance groups; local, state, and federal minority or women business assistance offices; and other organizations to provide assistance in the recruitment and placement of MBEs, WBEs, or VBEs as listed on Attachment A.

Describe efforts to use agencies listed on Attachment A.

SCHEDULE H: DOCUMENTATION OF GOOD FAITH EFFORTS
TO UTILIZE MBES, WBEs, AND VBEs ON CONSTRUCTION CONTRACT

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED, ON BEHALF OF THE CONTRACTOR, TO MAKE THIS AFFIDAVIT.

Name of Contractor: _____
(Print or Type)

Signature: _____
(Signature of Affiant)

Name of Affiant: _____
(Print or Type)

Date: _____
(Print or Type)

State of _____

County (City) of _____

This instrument was acknowledged before me on _____ (date)
by _____ (name/s of person/s)
as _____ (type of authority, e.g., officer, trustee, etc.)
of _____ (name of party on behalf of whom instrument
was executed).

Signature of Notary Public

(Seal)

STATUS REPORT OF MBE/WBE/VBE (SUB) CONTRACT PAYMENTS

Specification No.: _____
Department Project No.: _____

Date: _____
Voucher No.: _____

STATE OF: _____)

COUNTY (CITY) OF: _____)

In connection with the above-captioned contract:

I HEREBY DECLARE AND AFFIRM that I am the _____

(Title - Print or Type)

and duly authorized representative of _____

(Name of Company - Print or Type)

(Address of Company) (_____)
(Phone)

and that the following Minority Owned, Women Owned, and Veteran Owned Business Enterprises (MBE/WBE/VBEs) have been contracted with, and have furnished, or are furnishing and preparing materials for, and have done or are doing labor on the above referenced project; that there is due and to become due them, respectively the amounts set opposite their names for material or labor as stated; and that this a full, true and complete statement of all such MBE/WBE/VBEs and of the amounts paid, due, and to become due to them:

MBE/WBE/VBE	GOODS/SERVICES PROVIDED	AMOUNT OF CONTRACT	AMOUNT PAID TO DATE
		\$	\$
		\$	\$
		\$	\$
		\$	\$
		\$	\$
		\$	\$

TOTAL AMOUNT PAID TO MBEs TO DATE: \$ _____
TOTAL AMOUNT PAID TO WBEs TO DATE: \$ _____
TOTAL AMOUNT PAID TO VBEs TO DATE: \$ _____

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED, ON BEHALF OF THE CONTRACTOR, TO MAKE THIS AFFIDAVIT.

Name of Contractor: _____
(Print or Type)

Signature: _____
(Signature of Affiant)

Name of Affiant: _____
(Print or Type)

Date: _____
(Print or Type)

State of _____

County (City) of _____

This instrument was acknowledged before me on _____ (date)

by _____ (name/s of person/s)

as _____ (type of authority, e.g., officer, trustee, etc.)

of _____ (name of party on behalf of whom instrument was executed).

Signature of Notary Public

(Seal)

INSTRUCTIONS FOR COMPLETING ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT (EDS) ON-LINE

The Bidder shall complete an online EDS prior to the bid due date. A Bidder who does not file an electronic EDS prior to the bid due date may be found non-responsive and its bid rejected. If you are unable to complete the online EDS and print a Certificate of Filing prior to the response due date, the City will accept a paper EDS provided written justification is provided explaining the Bidders good faith efforts to complete it before the response due date and the reasons why it could not be completed.

1.1. **ONLINE EDS FILING REQUIRED PRIOR TO BID OPENING**

The Bidder must complete an online EDS prior to the bid opening date.

A Bidder that does not file an electronic EDS prior to the bid opening will be found non-responsive and its bid will be rejected unless a paper EDS and written justification is submitted with the bid as explained in the above paragraph).

1.2. **ONLINE EDS WEB LINK**

The web link for the Online EDS is <https://webapps.cityofchicago.org/EDSWeb>

1.3. **ONLINE EDS NUMBER**

Upon completion of the online EDS submission process, the Proposer will be provided an EDS number. Bidders should provide this number here:

EDS Number: _____

1.4. **ONLINE EDS CERTIFICATION OF FILING**

Upon completion of the online submission process, the Proposer will be able to print a hard copy Certificate of Filing. The Proposer should submit the signed Certificate of Filing with its bid. Please insert your Certification of Filing following this page.

A Proposer that does not include a signed Certificate of Filing with its bid must provide it upon the request of the Chief Procurement Officer.

1.5. **PREPARATION CHECKLIST FOR REGISTRATION**

To expedite and ease your registration process, we recommend that you collect the following information prior to registering for an Online EDS user account:

	1. Invitation number, if you were provided an invitation number.
	2. EDS document from previous years, if available.
	3. Email address to correspond with the Online EDS system.
	4. Company Information:
	a. Legal Name

	b. FEIN/SSN
	c. City of Chicago Vendor Number, if available.
	d. Address and phone number information that you would like to appear on your EDS documents.
	e. EDS Captain. Check for an EDS Captain in your company - this maybe the person that usually submits EDS for your company, or the first person that registers for your company.

1.6. ***PREPARATION CHECKLIST FOR EDS SUBMISSION***

To expedite and ease your EDS submission, we recommend that you collect the following information prior to updating your EDS information online.

Items #1 through #7 are needed for both EDS information updates and contract related EDS documents:

- _____ 1. Invitation number, if you were provided with an invitation number.
- _____ 2. Site address that is specific to this EDS.
- _____ 3. Contact that is responsible for this EDS.
- _____ 4. EDS document from previous years, if available.
- _____ 5. Ownership structure, and if applicable, owners' company information:
 - _____ a. % of ownership
 - _____ b. Legal Name
 - _____ c. FEIN/SSN
 - _____ d. City of Chicago Vendor Number, if available.
 - _____ e. Address
- _____ 6. List of directors, officers, titleholders, etc. (if applicable).
- _____ 7. For partnerships/LLC/LLP/Joint ventures, etc.:
 - _____ a. List of controlling parties (if applicable).

Items #8 and #9 are needed ONLY for contract related EDS documents:

- _____ 8. Contract related information (if applicable):
 - _____ a. City of Chicago contract package
 - _____ b. Cover page of City of Chicago bid/solicitation package
 - _____ c. If EDS is related to a mod, then cover page of your current contract with the City.
- _____ 9. List of subcontractors and retained parties:
 - _____ a. Name
 - _____ b. Address
 - _____ c. Fees – Estimated or paid

1.7. EDS FREQUENTLY ASKED QUESTIONS

Q: Where do I file?

A: The web link for the Online EDS is <https://webapps.cityofchicago.org/EDSWeb>

Q: How do I get help?

A: If there is a question mark on a page or next to a field, click on the question mark for help filling out the page or field. You may also consult the User Manual and the Training Videos available on the left menu.

Q: Why do I have to submit an EDS?

A: The Economic Disclosure Statement (EDS) is required of applicants making an application to the City for action requiring City Council, City department or other City agency approval. For example, all bidders seeking a City contract are required to submit an EDS. Through the EDS, applicants make disclosures required by State law and City ordinances and certify compliance with various laws and ordinances. An EDS is also required of certain parties related to the applicant, such as owners and controlling parties.

Q: Who is the Applicant?

A: “Applicant” means any entity or person making an application to the City for action requiring City Council or other City agency approval. The applicant does not include owners and parent companies.

Q: Who is the Disclosing Party?

A: “Disclosing Party” means any entity or person submitting an EDS. This includes owners and parent companies.

Q: What is an entity or legal entity?

A: “Entity” or “Legal Entity” means a legal entity (for example, a corporation, partnership, joint venture, limited liability company or trust).

Q: What is a person for purposes of the EDS?

A: “Person” means a human being.

Q: Who must submit an EDS?

A. An EDS must be submitted in any of the following three circumstances:

Applicants:	An Applicant must always file this EDS. If the Applicant is a legal entity, state the full name of that legal entity. If the Applicant is a person acting on his/her own behalf, state his/her name.
Entities holding an interest:	Whenever a legal entity has a beneficial interest (E. G. direct or indirect ownership) of more than 7.5% in the Applicant, each such legal entity must file an EDS on its own behalf.
Controlling entities:	Whenever a Disclosing Party is a general partnership, limited partnership, limited liability company, limited liability partnership or joint venture that has a general partner, managing member, manager or other entity that can control the day-to-day management of the Disclosing Party, that entity must also file an EDS on its own behalf.

	Each entity with a beneficial interest of more than 7.5% in the controlling entity must also file an EDS on its own behalf.

Q: What information is needed to submit an EDS?

A: The information contained in the Preparation Checklist for EDS submission.

Q: I don't have a user ID & password. Can I still submit an Online EDS?

A: No. You must register and create a user ID and password before submitting an Online EDS.

Q: What information is needed to request a user ID & password for Online EDS?

A: The information contained in the Preparation Checklist for Registration is needed to request a login for the Online EDS.

Q: I already have a username and password from another City web site (City Web Portal, Department of Construction and Permits, Department of Consumer Services, etc.). Can I log-in the Online EDS with that account?

A: Usually not. The Online EDS uses a user ID and password system that is shared by the Public Vehicle Advertising and Water Payment web sites. You may use a username and password from those sites by answering "Yes" to "Is this an existing City of Chicago user ID?" when registering. Other usernames and passwords will not be automatically recognized. However, you may choose to create an identical username for the Online EDS if it is not already taken.

Q: I don't have an email address. How do I submit an Online EDS?

A: You cannot get an account to submit an online EDS without an email address. If you need an e-mail address, we suggest that you use a free internet email provider such as www.hotmail.com or www.yahoo.com or gmail.com to open an account. The City does not endorse any particular free internet email provider. Public computers are available at all Chicago Public Library branches.

Q: I forgot my user ID. Can I register again?

A: No. If you are the EDS Captain of your organization, please contact the Department of Procurement Services at 312-744-4900. If you are an EDS team member, contact your EDS Captain, who can look up your user ID.

Q: Who is the EDS Captain?

A: The EDS Captain is a person who performs certain administrative functions for an organization which files an EDS. Each organization registered with the Online EDS has at least one EDS Captain. There may be co-captains, who are all equal. EDS Captains approve new users, change contact information for an organization, and de-active accounts of employees who have left the organization. Please see the User Manual for more information.

Q: Why do we need EDS Captains?

A: The Online EDS is designed to be a self-service web application which allows those doing or seeking to do business with the City to perform as many routine functions as possible without City intervention. Because many organizations have multiple staff filing an EDS, the EDS Captain role allows those organizations to self-manage the contact information and users.

Q: Who is the EDS team?

A: The EDS team for an organization is everyone who is registered to file an EDS on behalf of the organization.

Q: I forgot my password. What should I do?

A: To retrieve a temporary password, click the “Forgot your password?” link on the login page. Enter your user ID that you provided when you registered your account. The system will automatically generate a temporary password and send it to you. When you log-in with your temporary password, you will be asked to create a new password.

Q: How do I complete an Online EDS?

A: Click on “Create New” after logging in. The Online EDS system will walk you through the EDS questions. Please see the User Manual for details.

Q: How do I fill out a Disclosure of Retained Parties?

A: There is no longer a separate Disclosure of Retained Parties filing. After logging in, click on “Create New”. Answer (click) “Contract” to “Is this EDS for a contract or an EDS information update?” Click “Fill out EDS”, and click on the “Retained Parties” tab. When finished, click on “Ready to Submit.”

Q: How do I attach documents?

A: Attachments are discouraged. If at all possible, please provide a concise explanation in the space provided in the online form. Attachments with pages of officers are not acceptable. Names of officers must be typed into the system. If you must provide an attachment for another reason, please send it to your City of Chicago contact (contract administrator or negotiator for procurements) and they will attach it for you. Documents can be sent in PDF (preferred), Word, or paper format.

Q: Who can complete an Economic Disclosure Statement online?

A: Any authorized representative of your business with a user ID and password can complete your EDS online. One person, such as an assistant, can fill in the information and save it, and another person can review and electronically sign the Online EDS.

Q: What are the benefits of filing my Economic Disclosure statement electronically?

A: Filing electronically reduces the chance of filing an incomplete EDS and speeds up the processing of contract awards. A certificate of filing can be printed at the completion of the process and inserted into your bid package. The biggest benefit for those who frequently do business with the City is that after the first EDS, each EDS is much easier to fill out because non-contract specific information is pre-filled from the last submitted EDS.

Q: Will my information be secure?

A: Yes. When making your internet connection to our Web Server, you will connect through a Secure Socket Layer (SSL for short) to the “Online EDS” login page. All information you type will be protected using strong encryption. Within the login page, you will provide us with a user ID, password, and secret question for user authentication, only you will have knowledge of this unique identification information.

Q: I am filing electronically. How do I sign my EDS?

A: Once you have completed the EDS, you will be prompted to enter your password and answer to your secret question. Together, these will serve as your electronic signature. Although you will also print and physically sign an EDS certification of filing as a notice that your EDS was filed, your EDS is complete as a legal document with only the electronic filing.

Q: My address has changed. How can I update my information?

A: You must be an EDS Captain for your organization to update this. Log-in and click on “Vendor Admin, Site Administration.” Select the appropriate site and click edit.

Q: I have more questions. How can I contact the Department of Procurement Services?

A: Please contact the contract administrator or negotiator assigned to your solicitation or contract. You may call DPS at

312-744-4900 between 8:30 AM and 5:00 PM Central Time.

Q: Can I save a partially complete EDS?

A: Yes. Click “Save”. To avoid data loss, we recommend you save your work periodically while filling out your EDS.

Q: Do I have to re-type my information each time I submit an EDS?

A: No. The system will remember non-contract specific information from your last submitted EDS for one year. This information will be filled-in for you in your new EDS. You will have an opportunity to correct it if it has changed since your last filing. When you submit your new EDS, the information is saved and the one-year clock begins running anew.

Q: What are the system requirements to use the Online EDS?

A: The following are minimum requirements to use the Online EDS:

- A PDF viewer such as Adobe Reader is installed and your web browser is configured to display PDFs automatically. You may download and install Adobe Reader free at <http://get.adobe.com/products/reader/>
- Your web browser is set to permit running of JavaScript.
- Your web browser allows cookies to be set for this site. Please note that while we use cookies in the Online EDS, we do not use them to track personally identifiable information, so your privacy is maintained.
- Your monitor resolution is set to a minimum of 1024 x 768.

The Online EDS has been tested on Internet Explorer 6.0 and 7.0 and Firefox 2.0 and 3.0 on Windows XP and Mac OS X. Although it should work on other browsers and operating systems, the City of Chicago cannot guarantee compatibility.

CITY-BASED BUSINESS AFFIDAVIT

The City-Based Business bid preference of 4%, 6%, or 8%, as described in Section 2-92-412 of the Municipal Code of Chicago ("MCC"), is applicable to competitively bid Contracts funded in whole by City funds. Bidder must complete this form, and provide a copy of its Chicago business license(s) if applicable, if it desires to be considered for this preference. Bidders that do not complete this page will not be regarded as City-Based Businesses. In the event the Bidder selects the wrong percentage or fails to select a percentage in Question 1 of the affidavit, but answers all other questions applicable to the percentage preference for which the bidder is eligible, the Bidder will remain eligible for the incentive in the amount supported by the answers on this affidavit.

Bidder understands that it may be required to produce records to the chief procurement officer to verify the information provided. If bidder's operations are at multiple locations in the City of Chicago, use additional sheets if necessary. If this preference is allocated, the Local Goods Incentive described in MCC 2-92-410 will not be allocated to the same bid.

1. Of the three following bid preference options from 2-92-412, check the one option that Bidder qualifies for and wishes to apply to this Bid:
☐ 4% Bidder is a City-based business.
☐ 6% Bidder meets 4% requirements and majority of Prime Contractor's employees are City resident employees and if applicable are not counted towards work hours required by Section 2-92-330.
☐ 8% Bidder meets 6% requirements and majority of Prime Contractor's City resident employees are residents of a socio-economically disadvantaged area and are not counted towards work hours required by Section 2-92-330.
2. Is bidder a "City-Based Business" as defined in the Requirements for Bidding and Instructions for Bidders portion of this bid solicitation and in MCC 2-92-412? ☐ Yes ☐ No
3. Does the bidder report to the Internal Revenue Service that the place of employment for the majority (more than 50%) of its regular, full-time workforce is a facility within the City of Chicago? ☐ Yes ☐ No
3. Does the bidder conduct meaningful day-to-day business operations at a facility within the City of Chicago?
☐ Yes ☐ No
4. Street address of business location within the City of Chicago (P.O. address not accepted):

5. Describe the business activities are carried out at the location listed above: _____

6. How many full-time regular employees are currently employed at the location listed above? _____
7. How many full-time regular employees at the location listed above are "City resident employees," as that term is defined in this bid solicitation and MCC 2-92-412? _____ (for 6% and 8% preferences only)
8. How many of Bidder's full-time City resident employees identified above are residents of a socio-economically disadvantaged area, as that term is defined in this bid solicitation and MCC 2-92-412? _____ (for 8% preference only)
9. Total number of full-time regular employees employed at all locations worldwide? _____
10. List City of Chicago business license(s) held; attach copies. If none are required, indicate "none required":

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder (Print or Type): _____

Signature of Authorized Officer (Sign): _____ Date: _____

Title of Signatory (Print or Type): _____

State of _____; County of _____; Signed and sworn (or affirmed) to before me on _____ (date) by _____ (name/s of person/s making statement)

(Signature of Notary Public)

(seal)

ELIGIBLE BUSINESS FOR BID INCENTIVE FOR ALTERNATIVELY POWERED VEHICLES AFFIDAVIT

If this is a competitively bid Contract funded in whole by City funds, an Eligible Business preference for alternatively powered vehicles may be applicable. Bidder must complete this form if it desires to be considered for this preference. Bidders who do not complete and submit this form with their bid will be deemed to be non-Eligible Businesses.

1. Is bidder a business located within the counties of Cook, DuPage, Kane, Lake, McHenry or Will in the State of Illinois (the "Six County Region")? () Yes () No

2. Street address of principal place of business: _____

3. How many total vehicles, as defined in the Terms and Conditions, "Bid Incentive for Alternatively Powered Vehicles," are currently owned, operated, leased or otherwise controlled by bidder?

Line 3(a): _____

4. How many of bidder's vehicles are located and used within the Six County Region?

Line 4(a): number of vehicles _____

Line 4(b): percentage of fleet (line 4(a) divided by line 3(a)) _____

%

5. How many of bidder's vehicles located and used within the Six County Region are alternatively powered vehicles, as defined in the Terms and Conditions, Bid Incentive for Alternatively Powered Vehicles?

Line 5(a): number of vehicles _____

Line 5(b): percentage of Six County fleet (line 5(a) divided by line 4(a)) _____ %

Bidder understands that it may be required to produce records to the chief procurement officer to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)
(Seal)

VETERAN-OWNED SMALL BUSINESSES AND ELIGIBLE JOINT VENTURES AFFIDAVIT

Bidder must complete this form if it desires to be considered for the bid incentive as described in Section 2-92-950 of the Municipal Code of Chicago ("MCC") for Veteran-Owned Businesses and Eligible Joint Ventures. Bidders that do not complete this page will not be regarded as veteran-owned businesses or eligible joint ventures. In some circumstances application of this incentive will affect counting MBE or WBE participation when the small business involved in claiming the incentive is an MBE or WBE, please consult DPS regulations. Please use additional sheets if necessary. Attach all relevant certifications and/or support documents.

1. Is bidder a "veteran-owned business" as defined in Book 1, Section XXII.D. of this bid solicitation and in MCC 2-92-920?
() Yes () No If Yes, attach the bidder's current VBE certification letter and skip to #7 below.
2. Is bidder an "eligible joint venture" as defined in Book 1, Section XXII.D. of this bid solicitation and in MCC 2-92-920?
() Yes () No
3. Is at least one member of the eligible joint venture a "small business enterprise" as defined in MCC 2-92-920?
() Yes () No
4. Is at least one member of the eligible joint venture a "veteran-owned business enterprise" as that term is defined in MCC 2-92-920?
() Yes () No
5. Is the veteran-owned business identified in #4 above an enterprise which is at least 51 percent owned by one or more veterans, or in the case of a publicly held corporation, at least 51 percent of all classes of stock of which are owned by one or more veterans?
() Yes () No

If yes, please list all owners, their percentage of ownership interest, and provide appropriate documentation demonstrating status as veteran, as that term is defined in MCC 2-92-920.

6. Is the veteran-owned business identified in #4 above certified by either: (i) the City as a veteran-owned business pursuant to MCC 2-92-930; (ii) the County of Cook as a veteran business enterprise; (iii) the State of Illinois as a qualified service-disabled veteran-owned small business or a qualified veteran-owned small business pursuant to 30 ILCS 500/45-57; or (iv) verified and approved by the United States Department of Veterans Affairs as a service-disabled veteran-owned small business or a veteran-owned small business? If yes to any of the above, please provide appropriate documentation.
() Yes () No

7. List City of Chicago business license(s) held. If none are required, indicate "none required": _____

8. Provide address of the veteran-owned business, including the County in which it is located. _____

County: _____

9. Does the veteran-owned business enterprise or eligible joint venture (as applicable) commit to self-performing at least 20% of the work under the contract?

() Yes () No

Bidder understands that it may be required to produce records to the chief procurement officer to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

BIDDER MUST COMPLETE THE APPLICABLE SIGNATURE LINE(S) ON THE FOLLOWING PAGE.

VETERAN-OWNED SMALL BUSINESSES AND ELIGIBLE JOINT VENTURES AFFIDAVIT – SIGNATURE PAGE

Required Signature for All Applicants

Name of Veteran-Owned Business: _____
(Print or Type)

Signature of Authorized Officer for Veteran-Owned Business: _____
(Signature)

Title of Signatory: _____
(Print or Type)

Additional Required Signatures for Eligible Joint Venture Applicants

Name of Joint Venture (for eligible joint ventures only): _____
(Print or Type)

Name of SBE (for eligible joint ventures only): _____
(Print or Type)

Signature of Authorized Officer for SBE (for eligible joint ventures only): _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)

(Seal)

BIDDER'S COMMITMENT TO UTILIZE VETERAN-OWNED SUBCONTRACTORS AFFIDAVIT

The Veteran-Owned Subcontractors Incentive as described in Section 2-92-940 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid construction projects funded in whole by City funds. Bidder must submit this form with the bid if it desires to be considered for this bid incentive. Bidders that do not submit this page with their bid will not be eligible for this bid incentive. Bidders must attach a copy of each veteran-owned subcontractor's City of Chicago VBE certification letter. No other certification letters will be accepted for purposes of determining eligibility for this bid incentive. If this incentive is allocated, neither the Bid Incentive for Certain City-Based Manufacturers described in MCC 2-92-410, nor any other procurement set-aside benefit for a veteran-owned business enterprise under the MCC, will be allocated to the same bid.

Note: The CPO may request additional information or documentation before determining to apply the preference.

1. Contract title: _____
Specification #: _____

2. The value of work performed by veteran-owned subcontractors (as defined in MCC 2-92-920 and the applicable bid solicitation) that Bidder commits to provide will be what percentage of the total dollar value of the contract?
() 1% to 16%-- 0.5% incentive () 17% to 32%-- 1% incentive
() 33% to 49%-- 1.5% incentive () 50% or greater-- 2% incentive

Bidder understands that if it fails to utilize the committed percentage of veteran-owned subcontractors, under MCC 2-92-940 it may be fined in an amount equal to three times the amount of the bid incentive allocated, unless the prime contractor can demonstrate that due to circumstances beyond the prime contractor's control, the prime contractor for good cause was unable to retain the percentage of veteran-owned subcontractors throughout the duration of the contract period.

Bidder understands that it may be required to produce records to the CPO to verify the information provided.

Bidder understands that if a veteran-owned subcontractor is also an MBE/WBE, any participation on the contract that is utilized toward MBE/WBE goals on the prime contractor's compliance plan shall not count toward the total dollar value of work performed by veteran-owned subcontractors for purposes of this Bid Incentive.

Signature page follows.

BIDDER'S COMMITMENT TO UTILIZE VETERAN-OWNED SUBCONTRACTORS AFFIDAVIT – SIGNATURE PAGE

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)

(Seal)

BIDDER'S COMMITMENT TO UTILIZE APPRENTICES

The Apprentice Ordinance Bid Incentive as described in Section 2-92-335 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid construction projects funded in whole by City funds with an estimated contract value of \$100,000.00 or more.

Bidder must submit this form with the bid if it desires to be considered for this bid incentive on a future eligible construction project. Bidders that do not submit this page with their bid may still be eligible for this future bid incentive if it is awarded a contract under this specification and submits this affidavit to the CPO during the contract term. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to award an earned credit certificate for use on a future eligible construction project bid following contract close-out.

1. Contract title: _____
Specification #: _____

2. The percentage of total labor hours for which Bidder commits to utilize apprentices (as defined in MCC 2-92-335 and the applicable bid solicitation) will be what percentage of the total hours performed under the contract?
() 5% to 10%-- 0.5% incentive
() 11% to 15%-- 1.0% incentive

Bidder understands that, pursuant to MCC 2-92-335, unless it meets or exceeds its apprentice utilization goals upon completion of this construction project, Bidder will not receive the above bid incentive for future construction project contracts.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

REQUEST TO APPLY BID INCENTIVE: APPRENTICE UTILIZATION (MCC 2-92-335)

The Apprentice Ordinance Bid Incentive as described in Section 2-92-335 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid construction projects funded in whole by City funds with an estimated contract value of \$100,000.00 or more.

Bidder must submit this form with the bid if it desires to use a previously obtained earned credit certificate bid incentive on its bid for this contract. Bidders that do not submit this page with their bid will not be eligible for this bid incentive. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to award this bid incentive.

1. Current Contract title: _____
Current Specification #: _____
2. Value of previously earned credit certificate for application to this contract bid:
\$ _____
Previous Contract title: _____
Previous Specification #: _____

Attach a copy of the earned credit certificate for verification.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder; (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution; and (3) warrants that bidder did in fact employ those apprentices on the identified previous contract and take all other actions that were required to qualify for this bid incentive.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by

_____ (name/s of person/s making statement).

(Signature of Notary Public)
(Seal)

BIDDER'S COMMITMENT TO UTILIZE EX-OFFENDER APPRENTICES

The Ex-Offender Apprentice Ordinance Bid Incentive as described in Section 2-92-336 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid construction projects funded in whole by City funds with an estimated contract value of \$100,000.00 or more.

Bidder must submit this form with the bid if it desires to be considered for this bid incentive on a future eligible construction project. Bidders that do not submit this page with their bid may still be eligible for this future bid incentive if it is awarded a contract under this specification and submits this affidavit to the CPO during the contract term. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to award an earned credit certificate for use on a future eligible construction project bid following contract close-out.

1. Contract title: _____
Specification #: _____

2. The percentage of total labor hours for which Bidder commits to utilize ex-offender apprentices (as defined in MCC 2-92-336 and the applicable bid solicitation) will be what percentage of the total hours performed under the contract?
() 5% to 10%-- 0.5% incentive
() 11% to 15%-- 1.0% incentive

Bidder understands that, pursuant to MCC 2-92-336, unless it meets its ex-offender apprentice utilization goals upon completion of this construction project, Bidder will not receive the above bid incentive for future construction project contracts.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

REQUEST TO APPLY BID INCENTIVE: EX-OFFENDER APPRENTICE UTILIZATION (MCC 2-92-336)

The Ex-Offender Apprentice Ordinance Bid Incentive as described in Section 2-92-336 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid construction projects funded in whole by City funds with an estimated contract value of \$100,000.00 or more.

Bidder must submit this form with the bid if it desires to use a previously obtained earned credit certificate bid incentive on its bid for this contract. Bidders that do not submit this page with their bid will not be eligible for this bid incentive. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to award this bid incentive.

1. Current Contract title: _____

Current Specification #: _____

2. Value of previously earned credit certificate for application to this contract bid:

\$ _____

Previous Contract title: _____

Previous Specification #: _____

Attach a copy of the earned credit certificate for verification.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder; (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution; and (3) warrants that bidder did in fact employ those apprentices on the identified previous contract and take all other actions that were required to qualify for this bid incentive.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by

_____ (name/s of person/s making statement).

(Signature of Notary Public)
(Seal)

**BIDDER'S COMMITMENT TO UTILIZE BUSINESS ENTERPRISES OWNED BY PEOPLE WITH
DISABILITIES (BEPD)**

The BEPD Incentive as described in Section 2-92-337 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid contracts funded in whole by City funds. Bidder must submit this form with the bid if it desires to be considered for this bid incentive. Bidders that do not submit this page with their bid will not be eligible for this bid incentive. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to apply the preference.

1. Contract title: _____
Specification #: _____

2. The value of work performed by BEPD prime contractors or subcontractors (as defined in MCC 2-92-586 and the applicable bid solicitation) that Bidder commits to provide will be what percentage of the total dollar value of the contract?
☐ 2% to 5%-- 1% incentive ☐ 6% to 9%-- 2% incentive
☐ 10% to 13%-- 3% incentive ☐ 14% or greater-- 4% incentive

Bidder understands that if it fails to utilize the committed percentage of BEPD subcontractors, under MCC 2-92-337 it may be fined in an amount equal to three times the amount of the bid incentive allocated, unless the prime contractor can demonstrate that due to circumstances beyond the prime contractor's control, the prime contractor for good cause was unable to retain the percentage of BEPD subcontractors throughout the duration of the contract period.

Bidder understands that it may be required to produce records to the CPO to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)

(Seal)

MENTORING PROGRAM BID PREFERENCE AFFIDAVIT

The Mentoring Program bid preference as described in Section 2-92-535 of the Municipal Code of Chicago ("MCC") is applicable to contracts having an estimated value of \$100,000 or more.

A bid preference of **1 percent** of the contract base bid is available to qualified bidders that are prime contractors that have entered into a mentoring agreement or whose subcontractor has entered into a subcontractor-to-subcontractor mentoring agreement. The bid preference is used only to calculate an amount to be used in evaluating the bid to determine the low bidder, and it does not affect the contract price.

Bidder must submit this form, and a copy of either its mentoring agreement or a subcontractor-to-subcontractor mentoring agreement, with the bid if it desires to be considered for this bid preference. Bidders that do not submit this page with their bid will not be eligible for this bid preference. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to apply the preference.

Contract title: _____

Specification #: _____

Bidder understands that if it fails to maintain a mentoring agreement or a subcontractor that has a subcontractor-to-subcontractor mentoring agreement, for which this bid preference was taken into consideration in awarding of a contract, Bidder shall be fined in an amount equal to three times the amount of the bid preference allocated, unless the Bidder can demonstrate that due to circumstances beyond the Bidder's control, Bidder for good cause was unable to maintain a mentoring agreement or a subcontractor that has a subcontractor-to-subcontractor mentoring agreement throughout the duration of the contract period.

Bidder understands that it may be required to produce records to the CPO to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by _____ (name/s of person/s making statement).

(Signature of Notary Public)

(Seal)

DIVERSE MANAGEMENT AND WORKFORCE BID INCENTIVES AFFIDAVIT

By submitting this affidavit, Bidder certifies that it has reviewed Section 2-92-407 of the Municipal Code of Chicago (“MCC”), represents that it is eligible for the applicable bid incentive(s), and commits to maintaining a diverse workforce and/or management in the percentage(s) indicated below.

The Bid Incentives to Encourage Diverse Management and Workforce as described in MCC 2-92-407 are applicable to competitively bid contracts funded solely by City funds. Bidder may qualify for and apply for both or either of the diverse management and diverse workforce bid incentives.

Bidder must submit this affidavit and required documentation with the bid if it desires to be considered for either bid incentive. Bidders that do not submit this affidavit with and the applicable completed Detailed Diverse Management and Detailed Diverse Workforce Excel sheets will not be eligible to receive either bid incentive.

In the event the Bidder selects the wrong percentage or fails to select a percentage in Question(s) 1 and/or 2 of the affidavit, but answers all other questions in the affidavit, the Bidder will remain eligible for the incentive in the amount supported by the answers on this affidavit and the information provided in the completed Detailed Diverse Management and Detailed Diverse Workforce Excel sheets. Attach additional sheets if necessary. Attach additional sheets if necessary.

The CPO may request additional information or documentation before determining to apply the incentive(s).

Contract title:

Specification #:

1. The total percentage of Diverse Management (as defined in MCC 2-92-407 and the applicable bid solicitation) that Bidder commits to retain will be what percentage of the total Management?

- ☐ 10% to 20% — 0.5% incentive
- ☐ Greater than 20% to 40% — 2% incentive
- ☐ Greater than 40% — 4% incentive
- ☐ N.A. – not requesting diverse management incentive

2. The total percentage of Diverse Workforce (as defined in MCC 2-92-407 and the applicable bid solicitation) that Bidder commits to retain will be what percentage of the total Workforce?

- ☐ 10% to 20% — 2% incentive
- ☐ Greater than 20% to 40% — 4% incentive
- ☐ Greater than 40% — 6% incentive
- ☐ N.A. – not requesting diverse workforce incentive

3. How many full-time, permanent employees are currently employed by Bidder? _____

4. How many of Bidder’s full-time, permanent employees are considered Diverse as defined in MCC 2-92-407? _____

5. How many of Bidder's full-time, permanent employees are considered Management as defined in MCC 2-92-407? _____

6. How many of Bidder's full-time, permanent employees identified above as Management are considered Diverse as defined in MCC 2-92-407? _____

Note: You must attach the Detailed Diverse Management and Detailed Diverse Workforce Excel sheets provided in the Specification to this affidavit. If only one of the Excel sheets is applicable, please fill in "not applicable" on the nonapplicable sheet. (For example, if you are only committing a percentage to Diverse Management, please fill in the Detailed Diverse Management Excel sheet and write "not applicable" on the Detailed Diverse Workforce Excel sheet.)

Bidder understands that if it fails to retain the committed percentage of Diverse Management and/or Workforce, under MCC 2-92-407 it may be fined in an amount equal to three times the amount of the bid incentive allocated, unless the contractor can demonstrate that due to circumstances beyond its control, the contractor for good cause was unable to retain the percentage of Diverse Management and/or Workforce throughout the duration of the contract period.

Bidder understands that it may be required to produce records to the CPO to verify the diversity of its workforce or management as applicable.

Under penalty of perjury the person signing below: (1) warrants that they are authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder:
(Print or Type)

Signature of Authorized Officer:
(Signature)

Title of Signatory:
(Print or Type)

State of _____ County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

(Signature of Notary Public) (Seal)

BIDDER'S COMMITMENT TO UTILIZE PROJECT AREA SUBCONTRACTORS

The Project Area Subcontractor Bid Preference as described in Section 2-92-405 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid Contracts for construction work funded in whole by City funds. Bidder must submit this form with the bid, as well as a *Subcontractor's Affidavit of Project Area* for each project area subcontractor that will participate in the project, if it desires to be considered for this bid preference. Bidders that do not submit this page with their bid will not be regarded as utilizing project area subcontractors. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to apply the preference.

1. Contract title: _____ Specification
#: _____
2. The value of work to be performed by Project Area Subcontractor (as defined in MCC 2-92-405 and the applicable bid solicitation) that Bidder commits to provide will be what percentage of the total dollar value of the contract?

() 1% to 16%-- 0.5% of contract base bid
() 33% to 49%-- 1.5% of contract base bid

() 17% to 32%-- 1% of contract base bid
() 50% or greater-- 2% of contract base bid
3. Identify the bid lines under which Project Area Subcontractor work will be provided and its value, based on the bid specification's estimated quantities (attach additional sheets if necessary):

Bid Line #	Work to be performed	Project Area Subcontractor*	Value of Work
			\$
			\$
			\$
TOTAL:			\$

*Bidder must provide *Project Area Subcontractor Affidavit* for each subcontractor listed.

Bidder understands that if it fails to supply the committed percentage of Project Area Subcontractor Work, under MCC 2-92-405 it may be fined in an amount equal to three times the amount of the difference between the bid incentive allocated and the bid preference that would have been allocated to that contractor for the amount of project area subcontractor work actually provided.

Bidder understands that it may be required to produce records to the chief procurement officer to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Bidder: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)
(Seal)

PROJECT AREA SUBCONTRACTOR AFFIDAVIT

The Project Area Subcontractor Bid Preference as described in Section 2-92-405 of the Municipal Code of Chicago ("MCC") is applicable to competitively bid Contracts funded in whole by City funds. Bidder must submit this form with the bid, in order to be considered for this bid preference. Bidders that do not submit this page with their bid will not be regarded as utilizing project area subcontractors. If work will be performed by multiple Project Area Subcontractors, submit an affidavit for each. Attach additional sheets if necessary.

Note: The CPO may request additional information or documentation before determining to apply the preference.

1. Contract Title:

Specification #: _____

Bidder/Contractor Name: _____

2. Is subcontractor a "Project Area Subcontractor" as defined in the Requirements for Bidding and Instructions for Bidders portion of this bid solicitation and in MCC 2-92-405? () Yes
() No

3. Is subcontractor a "Small Business Enterprise" as described by the US Small Business Administration and defined in the Requirements for Bidding and Instructions for Bidders portion of this bid solicitation and in MCC 2-92-405? () Yes () No

4. Street address of facility location within the City of Chicago (P.O. address not accepted):

5. Describe the work to be performed on the contract: _____

6. List City of Chicago business license(s) held. If none are required, indicate "none required":

The undersigned commits to enter into a formal written agreement for supply with Bidder/Contractor, conditioned upon its execution of a contract with the City of Chicago to which the Project Area Business Preference is applied, within three (3) business days of its receipt of a signed contract from the City of Chicago. The Bidder/Contractor understands that it may be required to produce records to the chief procurement officer to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of bidder, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Project Area Subcontractor: _____
(Print or Type)

Signature of Project Area Subcontractor Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)

(Seal)

SEXUAL HARASSMENT POLICY AFFIDAVIT (SECTION 2-92-612)

The policy prohibiting sexual harassment as described in Section 2-92-612 of the Municipal Code of Chicago ("MCC") is applicable to contracts paid from funds belonging to or administered by the City.

Contract title: _____
Specification #: _____

In accordance with requirements set forth in Section 2-92-612 of the MCC, Contractor hereby attests that Contractor has a written policy prohibiting sexual harassment in compliance with Section 6-10-040 of the MCC.

In accordance with Section 6-10-040 of the MCC, Contractor's written policy prohibiting sexual harassment shall include, at a minimum, the following information:

- (i) a statement that sexual harassment is illegal in Chicago;
- (ii) the following definition of sexual harassment: "'Sexual harassment' means any (i) unwelcome sexual advances or unwelcome conduct of a sexual nature; or (ii) requests for sexual favors or conduct of a sexual nature when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment, or (2) submission to or rejection of such conduct by an individual is used as the basis for any employment decision affecting the individual, or (3) such conduct has the purpose or effect of substantially interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment; or (iii) sexual misconduct, which means any behavior of a sexual nature which also involves coercion, abuse of authority, or misuse of an individual's employment position.'";
- (iii) a requirement that all employees participate in: (1) sexual harassment prevention training annually, (a) Employees shall participate in a minimum of one hour of sexual harassment prevention training annually, and (b) Anyone who supervises or manages employees shall participate in a minimum of two hours of sexual harassment prevention training annually, and (2) one hour of bystander training annually;
- (iv) Examples of prohibited conduct that constitute sexual harassment;
- (v) Details on: (1) how an individual can report an allegation of sexual harassment, including, as appropriate, instructions on how to make a confidential report, with an internal complaint form, to a manager, employer's corporate headquarters or human resources department, or other internal reporting mechanism; and (2) legal services, including governmental, available to employees who may be victims of sexual harassment; and
- (vi) A statement that retaliation for reporting sexual harassment is illegal in Chicago.

Contractor understands that it may be required to produce records to the CPO to verify the information provided.

Under penalty of perjury the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of Contractor, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate, and complete as of the date of execution.

Name of Contractor: _____
(Print or Type)

Signature of Authorized Officer: _____
(Signature)

Title of Signatory: _____
(Print or Type)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date) by
_____ (name/s of person/s making statement).

(Signature of Notary Public)
(Seal)

CONTRACTOR'S AFFIDAVIT REGARDING REMOVAL OF ALL WASTE MATERIALS AND IDENTIFICATION OF ALL LEGAL DISPOSAL SITES

PROJECT: _____

PERSON COMPLETING THIS FORM: _____ **PHONE NUMBER:** _____

Provide the requested information for each facility Contractor proposes to accept the waste materials generated during the above-named project. This includes fill locations, landfills, recycling facilities, composting facilities, and any other disposal facility. Attach copied pages as needed. The Facility ID number is issued on the permit by the IEPA, USEPA, or other state licensing agencies for any facility outside Illinois. These waste facilities must meet all zoning and other requirements.

TYPE OF MATERIALS TO BE REMOVED:
FACILITY LEGAL NAME:
FACILITY ADDRESS:
FACILITY CONTACT & PHONE:
FACILITY PERMIT ID NUMBER: PERMIT/LICENSE IS ATTACHED: YES ☐ NO ☐

TYPE OF MATERIALS TO BE REMOVED:
FACILITY LEGAL NAME:
FACILITY ADDRESS:
FACILITY CONTACT & PHONE:
FACILITY PERMIT ID NUMBER: PERMIT/LICENSE IS ATTACHED: YES ☐ NO ☐

TYPE OF MATERIALS TO BE REMOVED:
FACILITY LEGAL NAME:
FACILITY ADDRESS:
FACILITY CONTACT & PHONE:
FACILITY PERMIT ID NUMBER: PERMIT/LICENSE IS ATTACHED: YES ☐ NO ☐



BID BOND

For use when bidding on City of Chicago projects. See instructions following.

PRINCIPAL (Legal name and business address)

State of incorporation or organization:

SURETY (Legal name and business address)

State of incorporation:

BID IDENTIFICATION

BID OPENING DATE:

SPECIFICATION NUMBER:

SPECIFICATION TITLE (AND PROJECT NUMBER IF AVAILABLE):

PENAL SUM OF BOND

_____% , _____ PERCENT OF BASE BID

Surety Bond No.:

Obligation:

We, the Principal and Surety, are firmly bound to the City of Chicago (hereinafter called the City) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally.

Conditions:

The Principal has submitted the bid identified above.

Therefore:

The above obligation is void if the City accepts the bid identified above and the Principal enters into a Contract with the City in accordance with the terms of such bid, executes such further contractual documents that may be required by the terms of the bid or contract documents, and gives such bond(s) as may be specified in the bidding or contract documents with surety acceptable to the City.

The Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the City. Notice to the surety of extension(s) is waived.

In the event the City brings suit upon this bond, Surety will pay reasonable attorney's fees and costs incurred by the City in such suit.

Witness:

The Principal and Surety executed this bid bond and affixed their seals on the below dates. The person signing below on behalf of the Principal warrants that he or she is authorized to execute this document on behalf of the Principal.

PRINCIPAL

PRINCIPAL NAME		<i>Corporate Seal</i>
PRINCIPAL SIGNATURE		
SIGNER'S NAME & TITLE		
DATE		

SURETY

SURETY NAME		<i>Corporate Seal</i>
ATTORNEY-IN- FACT SIGNATURE		
ATTORNEY-IN- FACT NAME		
DATE		

NOTARY

STATE OF _____, COUNTY OF _____
 I, _____, a Notary Public in the County and State aforesaid, do hereby
 certify that _____ of the
 _____ who is personally known to be the same person whose name
 he/she subscribed in the foregoing instrument as such Attorney-in-Fact, appeared before me this day in person
 and acknowledged that he/she signed, sealed, and delivered the said instrument of writing as his/her free and
 voluntary act, and as the free and voluntary act of the said _____ for the uses
 and purposes therein set forth, and caused the corporate seal of said company to be thereto attached.

GIVEN UNDER MY HAND AND NOTARIAL SEAL THIS _____ DAY OF _____, 20 _____

 NOTARY PUBLIC

Notary Seal

The signature of the Surety's attorney-in-fact must be notarized, and an original power of attorney granting him or her authority to sign this document must be attached to this document.

INSTRUCTIONS FOR CITY OF CHICAGO BID BOND FORM

Bidders/Proposers: Give these instructions to your surety.

- 1.** The Bond must be on the City's form. No substitutions will be acceptable.
- 2.** Copies of the form are acceptable. However, copies of the Bond must be double sided, with page 1 on one side of the paper, and page 2 on the opposite side of the paper.
- 3.** The amount of the Bond must be that stated in the Legal Advertisement. Unless otherwise specified, the amount of the bond should be expressed as a percentage of the bid amount.
- 4.** All blank spaces to be filled in must be completed using a typewriter or legible hand printing unless otherwise indicated. Determinations of legibility will be in the sole discretion of the Chief Procurement Officer. Photocopied insertions will not be accepted, nor will any Bond form on which there is any evidence of correction fluid ("white-out").
- 5.** Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. If the Bidder/ Proposer is bidding under an assumed name ("d/b/a") the assumed name must be separately stated in the same space as the full legal name for identification purposes.
- 6.** The address of the Principal must be complete. If a different mailing address should be used, it should be included as well, as bonds to be returned will be mailed to address shown on the bond.
- 7.** The Bond must include the Surety's name, the state in which the Surety was incorporated, and the Surety's address.
- 8.** The specification number must appear on the Bond.
- 9.** The Surety executing the bond must appear on the Department of the Treasury's list of approved sureties (available at <http://www.fms.treas.gov/c570/c570.html>) and must act within the limitations listed therein.
- 10.** The names and titles of the people signing the bond must be given in the spaces provided.
- 11.** Corporations executing the bond shall affix their corporate seals if required. If a seal is not required, please indicate "seal not required" in the space where the seal would otherwise be affixed.
- 12.** A person authorized to bind the Bidder/Proposer as the Principal must sign the bond.
- 13.** The Bond must be signed by an attorney-in-fact of the surety company. An original Power of Attorney that identifies the surety company's signatory as an attorney-in-fact must be attached.
- 14.** The date on which the Surety's Power of Attorney was certified should be the same or later than the date on which the bond was signed by the Surety.
- 15.** In its application to negotiated contracts, the terms "bid" and "bidder" shall include "proposal" and "offeror."

CONTRACTOR'S PERFORMANCE & PAYMENT BOND

Know All Men by these Presents, That we,

Principal, hereinafter referred to as Contractor, and

, Surety

of the County of Cook and State of Illinois, are held and firmly bound unto the CITY OF CHICAGO in the penal sum of

lawful money of the United States, for the payment of which sum of money, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____ day of _____ A.D., 20____

The Condition of the Above Obligation is such,

That whereas the above bounden Contractor has entered into a certain contract with the CITY OF CHICAGO, bearing Contract No. _____ and Specification No. _____ all in conformity with said contract, for,

The said contract is incorporated herein by reference in its entirety, including without limitation, any and all indemnification provisions.

Now, if the said Contractor shall in all respects well and truly keep and perform the said contract on its part, in accordance with the terms and provisions of all of the Contract Documents comprising said contract, and in the time and manner therein prescribed, and further shall save, indemnify, and keep harmless the City of Chicago against all loss, damages, claims, liabilities, judgements, costs and expenses which may in anywise accrue against said City of Chicago, in consequence of the granting of said contract, or which may in anywise result therefrom, or which may result from strict liability, or which may in anywise result from any injuries to, or death of, any person, or damage to any real or personal property, arising directly or indirectly from or in connection with, work performed or to be performed under said contract by said Contractor, its Agents, Employees or Workmen, assignees, subcontractors, or anyone else, in any respect whatever, or which may result on account of any infringement of any patent by reason of the materials, machinery, devices or apparatus used in the performance of said contract, and moreover, shall pay to said City any sum or sums of money determined by the Purchasing Agent, and/or by a court of competent jurisdiction, to be due said City by reason of any failure or neglect in the performance of the requirements of said contract, wherefore the said Purchasing Agent shall have elected to suspend or cancel the same, and shall pay all claims and demands whatsoever, which may accrue to each and every materialman and subcontractor, and to each and every person who shall be employed by the said Contractor or by its assignees and subcontractors, in or about the performance of said contract, and with wages paid at prevailing wage rates if so required by said contract, and shall insure its liability to pay the compensation, and shall pay all claims and demands for compensation which may accrue to each and every person who shall be employed by them or any of them in or about the performance of said contract, or which shall accrue to the beneficiaries or dependents of any such person, under the provisions of the Workers' Compensation Act, 820 ILCS 305, as amended, and the Workers' Occupational Disease Act, 820 ILCS 310, as amended (hereinafter referred to as "Acts") then is this obligation to be null and void, otherwise to remain in full force and effect.

And it is hereby expressly understood and agreed, and made a condition hereof, that any judgement rendered against said City in any suit based upon any loss, damages, claims, liabilities, judgements, costs or expenses which may in anywise accrue against said City as a consequence of the granting of said contract, or which may in anywise result therefrom, or which may in anywise result from any injuries to, or death of, any person, or damage to any real or personal property, arising directly or indirectly from, or in connection with, work performed, or to be performed under said contract by said Contractor or its agents, employees or workmen, assignees, subcontractors, or anyone else and also any decision of the Industrial Commission of the State of Illinois, and any order of court based upon such decision, or judgement thereon, rendered against said City of Chicago in any suit or claim arising under the aforementioned Acts when notice of the pendency or arbitration proceedings or suit shall have been given said Contractor, shall be conclusive against each and all parties to this obligation, as to amount, liability and all other things pertaining thereto.

Every person furnishing material or performing labor in the performance of said contract, either as an individual, as a subcontractor, or otherwise, shall have the right to sue on this bond in the name of the City of Chicago for his use and benefit and in such suit said person as plaintiff, shall file a copy of this bond, certified by the party or parties in whose charge this bond shall be, which copy shall be, unless execution thereof be denied under oath, prima facie evidence of the execution and delivery of the original; provided, that nothing in this bond contained shall be taken to make the City of Chicago liable to any subcontractor, materialman, laborer or to any other person to any greater extent than it would have been liable prior to the enactment of the Public Construction Bond Act, 30 ILCS 550, as amended; provided further, that any person having a claim for labor and materials furnished in the performance of this contract shall have no right of action unless he shall have filed a verified notice of such claim with the Clerk of the City of Chicago within 180 days after the date of the last item of work or the furnishing of the last item of materials, and shall have furnished a copy of such verified notice to the contractor within 10 days of the filing of the notice with the City of Chicago. Such claim shall be verified and shall contain the name and address of the claimant, the business address of the claimant within the State of Illinois, if any, or if the claimant be a foreign corporation having no place of business with the State the principal place of business of said corporation, and in all cases of partnership the names and residences of each of the partners, the name of the contractor for the City of Chicago, the name of the person, firm or corporation by whom the claimant was employed or to whom such claimant furnished materials, the amount of the claim and a brief description of the public improvement for the construction or installation of which the contract is to be performed. Provided, further, that no defect in the notice herein provided for shall deprive the claimant of his right of action under the terms and provisions of this bond unless it shall affirmatively appear that such defect has prejudiced the rights of an interested party asserting the same; provided, further, that no action shall be brought until the expiration of one hundred twenty (120) days after the date of the last item of work or of the furnishing of the last item of material, except in cases where the final settlement between the City of Chicago and the Contractor shall have been made prior to the expiration of the 120 day period in which case action may be taken immediately following such final settlement, and provided, further, that no action of any kind shall be brought later than six (6) months after the acceptance by the City of Chicago of the completion of work. Any suit upon this bond shall be brought only in a circuit court of the State of Illinois in the judicial district in which the contract shall have been performed.

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of any of the Contract Documents comprising said contract, or to the work to be performed thereunder, shall in anywise affect the obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract Documents or to the work.

Approved _____, 20____ (Seal)

_____, 20____ (Seal)

Purchasing Agent (Seal)

_____, 20____ (Seal)

Approved as to form and legality: _____ (Seal)

Assistant Corporation Counsel (Seal)

PRINCIPAL
IF CORPORATION

STATE OF ILLINOIS, } ss.
COUNTY OF COOK, }

I, _____, a Notary Public in and for the County and State
aforesaid, DO HEREBY CERTIFY that _____ President and
_____ Secretary of the _____
who are personally known to me to be the same persons whose names are subscribed in the foregoing instrument as
such _____ President and _____ Secretary, appeared
before me this day in person and acknowledged that they signed, sealed and delivered the said instrument of writing as
their free and voluntary act, and as the free and voluntary act of the said _____
for the uses and purposes therein set forth, and caused the corporate seal of said Company to be thereto attached.

GIVEN under my hand and Notarial Seal this _____ day of _____ 20____

Notary Public

SURETY, IF CORPORATE

STATE OF ILLINOIS, } ss.
COUNTY OF COOK, }

I, _____, a Notary Public in and for the County and State
aforesaid, DO HEREBY CERTIFY that _____
_____ of the _____ who _____ personally known
to be the same person _____ whose name _____ subscribed in the foregoing instrument as such _____
_____, appeared before me this day in person and acknowledged that _____
signed, sealed and delivered the said instrument of writing as _____ free and voluntary act, and as the free
and voluntary act of the said _____
for the uses and purposes therein set forth, and caused the corporate seal of said Company to be thereto attached.

GIVEN under my hand and Notarial Seal this _____ day of _____ 20____

Notary Public

PRINCIPAL
IF INDIVIDUAL

STATE OF ILLINOIS, } ss.
COUNTY OF COOK, }

I, _____, a Notary Public in and for the County and State
aforesaid, DO HEREBY CERTIFY that _____
who _____ personally known to me to be the same persons whose name _____ subscribed in the foregoing
instrument, appeared before me this day in person and acknowledged that _____ he _____ signed, sealed and delivered the
said instrument of writing as _____ free and voluntary act, for the uses and purposes therein set forth.

GIVEN under my hand and Notarial Seal this _____ day of _____ 20____

Notary Public

GRC-160211-26-1

BOOK 3 DETAILED SPECIFICATIONS

TRAFFIC SIGNAL TERM AGREEMENT

CDOT PROJECT NO.: B-3-703
SPECIFICATION NO.: 1296012



**CITY OF CHICAGO
BRANDON JOHNSON
MAYOR**

Prepared by

DEPARTMENT OF TRANSPORTATION (CDOT)

Contracts Section

WILLIAM CHEAKS, JR.

Commissioner of Department of Transportation
2 North LaSalle Street, Suite 1110
Chicago, Illinois 60602-2570

ANNE ZHANG, P.E.

Managing Deputy Commissioner
Division of Engineering

Issued by the
DEPARTMENT OF PROCUREMENT SERVICES

SHARLA D. ROBERTS

Chief Procurement Officer

Document Printed May 2026

All Signatures To Be Sworn To Before A Notary Public

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 Operation of Traffic Signals
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- 1608 ROADWAY LIGHTING CONTROL SMART NODES
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1611	ROADWAY LED LUMINAIRE ORNAMENTAL TEARDROP FOR ARTERIAL STREETS
1617	ACCESSIBLE PEDESTRIAN SIGNAL
1618	CABLE: FLEXIBLE CORD FOR ACCESSIBLE PEDESTRIAN SIGNAL
1620	FIELD CABINET INTEGRATION EQUIPMENT AND DETECTION PROCESSOR WITH VIDEO CAMERA
1621	MANAGED ETHERNET SWITCH FOR TRAFFIC SIGNALS
1634	RADAR SPEED SIGN, VARIABLE MESSAGE
1641	CABLE: THREE COPPER CONDUCTORS IN JACKET, SHIELDED 600 VOLT

SECTION I

GENERAL INFORMATION

**DETAILED SPECIFICATIONS
FOR
TRAFFIC SIGNAL IMPROVEMENTS (VARIOUS SIGNALS)**

C.D.O.T PROJECT NO. B-3-703

GENERAL INFORMATION

The following Detailed Specifications supplement the “Standard Specifications for Road and Bridge Construction”, adopted January 1, 2022, by the Illinois Department of Transportation (hereinafter referred to as the Standard Specifications or the SSRBC); the “Supplemental Specifications and Recurring Special Provisions”, adopted January 1, 2025, indicated on the Check Sheets; the latest edition of the “Illinois Manual on Uniform Traffic Control Devices for Streets and Highways” in effect on the date of invitation for bids which apply to and govern this project; the Chicago Department of Transportation Regulations for Openings, Construction, and Repair in the Public Way (including Appendix B - ADA Standards, found on CDOT’s website) in effect on the date of invitation for bids; and the “Manual of Test Procedures for Materials” in effect on the date of invitation of bids, included herein which apply to and govern this project. In case of conflict with any part or parts of said specifications, these Details Specifications will take precedence and shall govern.

Any references in these Detailed Specifications to “the Engineer” will read “the Commissioner, Department of Transportation, City of Chicago” (Commissioner), and any reference to the “Department” will read “Chicago Department of Transportation, Division of Project Development” (CDOT).

The following specifications from the City of Chicago are applicable: Standard Specification for Sewer Construction, Department of Water Management, and the Division of Electrical Operations Standard Specifications.

DESIGNATION OF ITEMS OF WORK

The items of work contained in the schedule of prices in the proposal form for this project are designated by number and description and must conform to the provisions contained in these detailed specifications.

Unless otherwise specified, the Description, General Requirements, Method of Measurement, and Basis of Payment for the following items will be as stated in the appropriate sections of the Standard Specifications.

DESCRIPTION OF WORK

The work for which proposals are invited consist of furnishing all labor, materials and equipment required to make improvements to existing or to install new traffic signal equipment at various locations within the City of Chicago. Types of improvements may include but are not limited to new signal installations, traffic signal modernizations, turn arrow installations, LED and pedestrian countdown signal installations, and accessible signal installations.

This includes but is not limited to removal and replacement of traffic signals, street lighting, concrete foundations, traffic signal controllers, street lighting controllers, electrical conduit, video system detection cameras and processors; pavement resurfacing, removal and replacement of pavement markings and signage, as described in the detail specifications, including all appurtenant work and accessories, to the complete satisfaction of, approval and acceptance by the City.

MAINTENANCE OF TRAFFIC

The Contractor must, at all times, conduct the work in such a manner as to insure the least obstruction to vehicular and pedestrian traffic. The Contractor must provide all temporary facilities necessary, including all detour and traffic staging related items specified in the plans and/or details, to maintain vehicular and pedestrian traffic and access to all property to the satisfaction of the Commissioner. Traffic control devices, conforming to Illinois Department of Transportation Standards, must be placed as shown on the Standard Drawings at the end of the plans entitled Traffic Control Standards. This work will be included in "TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR)".

When directed by the Commissioner, the Contractor shall accommodate special events during construction which may include but are not limited to (and are subject to change):

- Taste of Chicago
- Chicago Air and Water Show
- Chicago Marathon
- NASCAR Chicago Street Race Weekend
- Chicago Jazz Festival
- Chicago Blues Festival
- Chicago St. Patrick's Day Parade
- The Wednesday before Thanksgiving Day through the Monday following Thanksgiving
- Easter Sunday
- Gospel Fest
- Chicago Bears Home Games
- Lollapalooza
- Pride Parade
- Mamby on the Beach Festival
- Chicago Triathlon
- Other events as dictated by the Commissioner, local agencies, the Chicago Park District or the City of Chicago

To accommodate special events, the Contractor shall:

On the day before the events: Completely clean the entire project area and move temporary drums, barriers, or barricades to optimize pedestrian access and safety. Trenches must be backfilled, covered with steel plates, or patched with temporary asphalt as directed by the Commissioner. Contractor equipment must be consolidated to a location specified by the Commissioner and protected with a temporary fence.

On the day of the event: Perform no Work unless approved by the Commissioner except to be present to repair and maintain pedestrian safety and traffic control elements.

This work will be included in TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR).

ADJACENT CONTRACTS AND PROPERTY OWNER COORDINATION

The Contractor shall coordinate construction staging and traffic control operations with adjoining, adjacent or overlapping construction contracts, including barricade placement necessary to provide a uniform traffic pattern prior to and throughout the duration of the project.

The Contractor shall coordinate maintenance of traffic with lane closures of concurrent projects. This effort is to help provide the most safe and effective staging environment throughout the project and at locations where adjacent projects impact the limits of staging.

General Requirements. The Contractor is responsible for coordinating the Work with the owners and their tenants when private property areas are to be reconstructed and/or otherwise disturbed due to construction activities. The Contractor shall maintain access at all times. The Contractor shall submit procedures and protection plans to the Commissioner prior to any work. The Contractor shall define the limits of any proposed disturbance and the location of improvements at each individual location in consultation with the building as directed by the Commissioner to ensure uninterrupted access is maintained during construction activities.

Other separate contracts are, or may be, in force that intersects the limits of this project. The Contractor shall cooperate with the other Contractors in the staging and performance of this work so as not to delay, interrupt, or hinder the progress or completion of the work being performed by other Contractors.

A separate Roadway Lighting Improvement Contract may be ongoing at the same time as this contract. The contractor shall coordinate work activities closely with the Lighting Improvements Contract as the work items may overlap between the contracts. The contractor shall bring to the attention of Commissioner any such work items. The commissioner at this time may add or remove anticipated work items from this contract at that location based on judgment to ensure efficient construction operation. The contractor shall coordinate his or her schedule and work items with the Lighting Improvement Contract and ensure that the work is completed in a coordinated and timely manner.

The Contractor will be required to provide and maintain access to all private and commercial property within the work areas during the construction period, which may include the installation and removal of temporary aggregate in the work zone to allow trucks to turn into or out of private property. No additional payment will be made for the temporary aggregate.

The cost for coordinating with adjacent contracts and property owners shall be included with TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR).

TRAFFIC CONTROL PLAN

Traffic Control will be according to the applicable sections of the Standard Specifications for Road and Bridge Construction, the guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, the Supplemental Specifications and the Recurring Special Provisions, the Specifications and any special details and highway standards contained herein and in the Plans.

LIST OF STANDARD PAY ITEMS AND SPECIAL PROVISIONS

Standard Specifications

The following Detailed Specifications supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, by the Illinois Department of Transportation (hereinafter referred to as the Standard Specifications or the SSRBC); the "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2025, indicated on the Check Sheets; the latest edition of the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways" in effect on the date of invitation for bids which apply to and govern this project; the Chicago Department of Transportation Regulations for Openings, Construction, and Repair in the Public Way (including Appendix B - ADA Standards, found on CDOT's website) in effect on the date of invitation for bids; and the "Manual of Test Procedures for Materials" in effect on the date of invitation of bids, included herein which apply to and govern this project. In case of conflict with any part or parts of said specifications, these Details Specifications will take precedence and shall govern.

Special Provision (SP) Note:

- Y** Denotes items with contract or project specific special provisions, and/or conforms to IDOT Recurring Special Provisions and IDOT Bureau of Design & Environment (BDE) Special Provisions.
- N** Denotes items which conform to the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022 or the latest edition of the Supplemental Specifications. The SSRBC specifications included in the table below are incorporated by reference.

IDOT Standard Specifications Coded Pay Item Index:

- No. 201---- to No. 671---- Road and Bridge Construction Items
- No. 701---- to No. 783---- Traffic Control, Signing, Pavement Marking
- No. Z----- to No. Z----- Special Pay Items
- No. XX----- to No. XX----- Local Roads Temporary Pay Items
- No. XZ----- to No. XZ----- Design Temporary Pay Items
- "CDOT-----" Indicates CDOT special provision
- " ***** " Indicates project-specific special provision

Typical Example and Digit Breakdown of a Coded Pay Item:

CODE NO. ITEM DESCRIPTION

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

201 - First 3 digits indicate the section in the Standard Specifications.
 00110 - Last 5 digits indicate the numerical sequence the item has in that section.

ITEM NO.	SP REQ'D	CODE NO.	SP NO.	ITEM DESCRIPTION	PAGE NO.
1	N	20800150		TRENCH BACKFILL	
2	N	31101100		SUBBASE GRANULAR MATERIAL, TYPE B	
3	N	35300400		PORTLAND CEMENT CONCRETE BASE COURSE 9"	
4	Y	20101100C	CDOT SP 201-2	TREE PROTECTION	DS-2
5	Y	202Z0220C	CDOT SP 202-2	EARTH EXCAVATION (SOIL TO LANDFILL)	DS-5
6	Y	701Z0800C	CDOT SP 701-8	AGGREGATE FOR TEMPORARY ACCESS	DS-7
7	N	21101600		TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	
8	Y	250K0200C	CDOT SP 250-2	HYDRAULIC SEEDING, CLASS 1A	DS-9
9	Y	42001260C	CDOT SP 420-1	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT 8 INCH	DS-10
10	Y	42300420C	CDOT SP 420-1	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH	DS-10
11	Y	*****		PAVEMENT REMOVAL AND REPLACEMENT, 10 INCH (HIGH EARLY STRENGTH)	DS-12
12	N	40600290		BITUMINOUS MATERIALS (TACK COAT)	

Traffic Signal Improvements (Various Locations)

CDOT Project No. B-3-703

Specification No. 1296012

ITEM NO.	SP REQ'D	CODE NO.	SP NO.	ITEM DESCRIPTION	PAGE NO.
13	N	40603340		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	
14	N	42000500		PORTLAND CEMENT CONCRETE PAVEMENT 10"	
15	N	42000540		PORTLAND CEMENT CONCRETE PAVEMENT 12"	
16	Y	*****		STAMPED COLORED CONCRETE	DS-13
17	Y	42400200C	CDOT SP 424-1	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DS-14
18	Y	42400210C	CDOT SP 424-1	PORTLAND CEMENT CONCRETE ADA RAMP 5 INCH	DS-14
19	Y	42400410C	CDOT SP 424-1	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	DS-14
20	Y	42400420C	CDOT SP 424-1	PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH	DS-14
21	Y	42400430C	CDOT SP 424-3	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH	DS-16
22	Y	42400800C	CDOT SP 424-2	LINEAR DETECTABLE WARNING TILES (CAST IRON)	DS-18
23	Y	42400810C	CDOT SP 424-2	RADIAL DETECTABLE WARNING TILES (CAST IRON)	DS-18
24	Y	X0327611		BRICK PAVER REMOVAL AND REPLACEMENT	DS-19
25	Y	44000050C	CDPT SP 440-1	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	DS-20
26	N	44000100		PAVEMENT REMOVAL	
27	N	44000200		DRIVEWAY PAVEMENT REMOVAL	
28	N	44000500		COMBINATION CURB AND GUTTER REMOVAL	
29	N	44000600		SIDEWALK REMOVAL	
30	Y	44000110C	CDOT SP 440-2	ALLEY PAVEMENT REMOVAL	DS-21
31	Y	550Z0102C	CDOT SP 550-1	STORM SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, TYPE 1, 8 INCH	DS-22
32	Y	550Z0122C	CDOT SP 550-1	STORM SEWER, DUCTILE IRON PIPE, TYPE 1, 8 INCH	DS-22
33	N	59300100		CONTROLLED LOW-STRENGTH MATERIAL	
34	Y	60200105C	CDOT SP 602-1	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	DS-24
35	Y	60234200C	CDOT SP 602-1	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	DS-24
36	Y	602Z0900C	CDOT SP 602-9	VORTEX RESTRICTOR	DS-25
37	Y	551Z0400C	CDOT SP 551-4	SEWER CLEANING AND TELEVISION	DS-26
38	N	60600605		CONCRETE CURB, TYPE B	
39	Y	*****	*	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	DS-31
40	Y	*****	*	DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED	DS-33
41	Y	*****		FRAMES, SPECIAL	DS-34
42	Y	*****		LIDS, SPECIAL	DS-35
43	Y	606Z0300C	CDOT SP 606-3	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< or = 300 FT)	DS-36
44	Y	606Z0310C	CDOT SP 606-3	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT)	DS-36
45	Y	606Z0420C	CDOT SP 606-4	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12	DS-37
46	Y	701Z0100C	*	TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR)	DS-38
47	Y	720Z0810C	CDOT SP 720-8	SIGN PANEL, TYPE 1, RETROREFLECTIVE	DS-44
48	Y	720Z0820C	CDOT SP 720-8	SIGN PANEL, TYPE 1, NON-REFLECTIVE	DS-44
49	Y	720Z0850C	CDOT SP 720-8	SIGN PANEL, TYPE 2, RETROREFLECTIVE	DS-44
50	Y	729Z0100C	*	SIGN POST, EXTEND	DS-45
51	Y	729Z0110C	*	SIGN SUPPORT POST, DIG METHOD	DS-45
52	Y	729Z0120C	*	SIGN SUPPORT POST, DRILL METHOD	DS-45
53	Y	724Z0100C	CDOT SP 724-1	REMOVE AND SALVAGE SIGN PANEL	DS-48
54	Y	724Z0110C	CDOT SP 724-1	REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY	DS-48
55	Y	724Z0210C	*	REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)	DS-49
56	Y	*****	*	REMOVE, STORE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL)	DS-49
57	Y	780Z0600C	CDOT SP 780-6	CURB PAINTING	DS-50

Traffic Signal Improvements (Various Locations)
CDOT Project No. B-3-703
Specification No. 1296012

ITEM NO.	SP REQ'D	CODE NO.	SP NO.	ITEM DESCRIPTION	PAGE NO.
58	N	78000100		THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	
59	N	78000200		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	
60	N	78000400		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	
61	N	78000500		THERMOPLASTIC PAVEMENT MARKING - LINE 8"	
62	N	78000600		THERMOPLASTIC PAVEMENT MARKING - LINE 12"	
63	N	78000650		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	
64	N	78008210		POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	
65	N	78008230		POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	
66	N	78008250		POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	
67	N	78008270		POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	
68	Y	780Z0100C	CDOT SP 780-1	METHYL METHACRYLATE PAVEMENT COLORIZATION - LETTERS AND SYMBOLS	DS-51
69	Y	780Z0105C	CDOT SP 780-1	METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN	DS-51
70	Y	780Z0110C	CDOT SP 780-1	METHYL METHACRYLATE PAVEMENT COLORIZATION, RED	DS-51
71	Y	635Z0100C	CDOT SP 635-1	FLEXIBLE DELINEATORS	DS-53
72	Y	CDOTX00010		PIPE BOLLARDS	DS-54
73	N	78300100		PAVEMENT MARKING REMOVAL	
74	Y	*****		CROSSWALK SURFACING SYSTEM	DS-55
75	Y	999X0900C	CDOT SP 999-9	DRILL AND GROUT DOWEL AND TIE BARS	DS-58
76	Y	503Z0400C	CDOT SP 503-4	CLASS "SI" CONCRETE (MISCELLANEOUS)	DS-59
77	Y	814Z0710C	CDOT SP 814-7	ADJUST ELECTRICAL FRAME AND COVER	DS-60
78	Y	353Z0100C	CDOT SP 353-1	TEMPORARY PAVEMENT	DS-61
79	Y	810Z0300C	CDOT SP 810-3	TRENCH AND BACKFILL WITH SCREENINGS	DS-62
80	Y	*****	*	HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 30" FRAME AND COVER	DS-63
81	Y	814Z0135C	*	HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 36" FRAME AND COVER	DS-63
82	Y	814Z0210C	*	MANHOLE, ELECTRICAL, 3'X3'X4' WITH 24" FRAME AND LID	DS-64
83	Y	814Z0220C	*	MANHOLE, ELECTRICAL, 3'X3'X4' WITH 30" FRAME AND LID	DS-64
84	Y	814Z0310C	*	ELECTRICAL FRAME AND COVER, 24"	DS-65
85	Y	814Z0330C	*	ELECTRICAL FRAME AND COVER, 30"	DS-65
86	Y	814Z0500C	CDOT SP 814-5	DRILL EXISTING ELECTRICAL HANDHOLE OR MANHOLE	DS-66
87	Y	814Z0400C	CDOT SP 814-4	CLEAN EXISTING CITY MANHOLE OR HANDHOLE	DS-67
88	Y	814Z0600C	CDOT SP 814-6	INSTALL RACK IN HANDHOLE OR MANHOLE	DS-68
89	Y	*****		ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY	DS-69
90	Y	*****		ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM	DS-70
91	Y	*****		REPAIR OR REPLACE DAMAGED CONDUIT	DS-71
92	Y	811Z0210C	CDOT SP 811-2	CONDUIT RISER ATTACHED TO POLE, 2"	DS-72
93	Y	811Z0220C	CDOT SP 811-2	CONDUIT RISER ATTACHED TO POLE, 3"	DS-72
94	Y	810Z0205C	CDOT SP 810-2	CONDUIT IN TRENCH, GALVANIZED STEEL, 2" DIA.	DS-73
95	Y	810Z0210C	CDOT SP 810-2	CONDUIT IN TRENCH, GALVANIZED STEEL, 3" DIA.	DS-73
96	Y	810Z0245C	CDOT SP 810-2	CONDUIT IN TRENCH, PVC (SCHEDULE 40), 2" DIA.	DS-73
97	Y	810Z0250C	CDOT SP 810-2	CONDUIT IN TRENCH, PVC (SCHEDULE 40), 3" DIA.	DS-73
98	Y	810Z0265C	CDOT SP 810-2	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA.	DS-73
99	Y	810Z0270C	CDOT SP 810-2	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA.	DS-73
100	Y	81100600C	CDOT SP 811-1	CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 2" DIA.	DS-75
101	Y	81100800C	CDOT SP 811-1	CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 3" DIA.	DS-75
102	Y	810Z0285C	CDOT SP 810-2	CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCHEDULE 80, 2" DIA.	DS-76
103	Y	810Z0290C	CDOT SP 810-2	CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SHCHEDULE 80, 3" DIA.	DS-76

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104	Y	810Z0400C	*	INTERCEPT EXISTING CONDUIT	DS-78
105	Y	863Z0200C	*	CONCRETE FOUNDATION FOR BASE MOUNTED "P" OR "SUPER P" CABINET	DS-79
106	Y	836Z0300C	*	CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE, OR STREET LIGHTING CONTROLLER	DS-80
107	Y	*****	*	CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE	DS-81
108	Y	*****	*	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE	DS-81
109	Y	*****	*	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE	DS-81
110	Y	*****	*	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE	DS-81
111	Y	817Z0130C	CDOT SP 817-1	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 4	DS-83
112	Y	817Z0135C	CDOT SP 817-1	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2	DS-83
113	Y	817Z0140C	CDOT SP 817-1	ELECTRIC CABLE IN CONDUIT, 600V 1/C NO. 2/0	DS-83
114	Y	817Z0154C	CDOT SP 817-1	ELECTRIC CABLE IN CONDUIT, 600V, 2/C NO. 4	DS-83
115	Y	873Z0141C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	DS-84
116	Y	873Z0145C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	DS-84
117	Y	873Z0146C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10C	DS-84
118	Y	873Z0148C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C	DS-84
119	Y	873Z0160C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 8C	DS-84
120	Y	873Z0183C	CDOT SP 873-1	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 6C	DS-84
121	Y	*****		ELECTRIC CABLE NO 12, 2/C (SHIELDED)	DS-86
122	Y	817Z0220C	CDOT SP 817-2	ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND	DS-87
123	Y	*****		ELECTRIC CABLE, AERIAL, 3-1/C, NO 2	DS-88
124	Y	*****		ELECTRIC CABLE, AERIAL, 1/C, NO 6	DS-89
125	Y	*****		FURNISH ATC CONTROLLER	DS-90
126	Y	*****		FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET	DS-90
127	Y	*****		INSTALL ATC CONTROLLER IN EXISTING CABINET	DS-91
128	Y	*****		INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET	DS-91
129	Y	*****		FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM	DS-94
130	Y	*****		INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM	DS-95
131	Y	*****		FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"	DS-96
132	Y	*****		FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 3 GAUGE, 34'-6"	DS-96
133	Y	*****		FURNISH POLE, STEEL, ANCHOR BASE, 11" DIAMETER, 3 GAUGE, 34'-6"	DS-96
134	Y	*****		FURNISH POLE, STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"	DS-96
135	Y	*****		INSTALL POLE, STEEL, ANCHOR BASE, 10" DIAMETER	DS-97
136	Y	*****		INSTALL POLE, STEEL, ANCHOR BASE, 11" OR 12" DIAMETER	DS-97
137	Y	*****		FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 15 FT	DS-98
138	Y	*****		FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 17 FT	DS-98
139	Y	*****		FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 20 FT	DS-98
140	Y	*****		INSTALL TRAFFIC SIGNAL POST, ALUMINUM	DS-99
141	Y	*****		FURNISH PEDESTRIAN PUSH BUTTON POST	DS-100
142	Y	*****		INSTALL PEDESTRIAN PUSH BUTTON POST	DS-101
143	Y	*****		FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION	DS-102
144	Y	*****		FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION	DS-102

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145	Y	*****		FURNISH SIGNAL HEAD, POLYCARBONATE, LED, BIKE, 3-SECTION	DS-102
146	Y	*****		FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION	DS-102
147	Y	*****		FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION	DS-102
148	Y	*****		INSTALL, SIGNAL HEAD, BRACKET MOUNTED	DS-104
149	Y	*****		INSTALL, SIGNAL HEAD, STRUCTURE MOUNTED	DS-104
150	Y	*****		INSTALL, SIGNAL HEAD, MAST ARM MOUNTED	DS-104
151	Y	*****		FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 3-SECTION	DS-106
152	Y	*****		FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 4-SECTION	DS-106
153	Y	*****		FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 5-SECTION	DS-106
154	Y	*****		INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, BRACKET MOUNTED	DS-107
155	Y	*****		INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, MAST ARM MOUNTED	DS-107
156	Y	*****		FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN	DS-109
157	Y	*****		INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN	DS-110
158	Y	*****		FURNISH ACCESSIBLE PEDESTRIAN SIGNAL	DS-112
159	Y	*****		INSTALL ACCESSIBLE PEDESTRIAN SIGNAL	DS-113
160	Y	813Z0100C	CDOT SP 813-1	JUNCTION BOX, POLE OR POST MOUNTED	DS-114
161	Y	*****		CUT OFF POLE AND INSTALL CAP	DS-115
162	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 16 FOOT	DS-116
163	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 20 FOOT	DS-116
164	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 26 FOOT	DS-116
165	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 30 FOOT	DS-116
166	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 35 FOOT	DS-116
167	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 40 FOOT	DS-116
168	Y	*****		FURNISH MAST ARM, STEEL, MONOTUBE, 44 FOOT	DS-116
169	Y	*****		INSTALL MAST ARM, STEEL, MONOTUBE, 16 FOOT	DS-117
170	Y	*****		INSTALL MAST ARM, STEEL, MONOTUBE, 20 OR 26 FOOT	DS-117
171	Y	*****		INSTALL MAST ARM, STEEL, MONOTUBE, 30 FOOT	DS-117
172	Y	*****		INSTALL MAST ARM, STEEL, MONOTUBE, 35, 40, OR 44 FOOT	DS-117
173	Y	*****		FURNISH MAST ARM, STEEL, STREET LIGHTING, 8 FOOT	DS-119
174	Y	*****		FURNISH MAST ARM, STEEL, STREET LIGHTING, 12 FOOT	DS-119
175	Y	*****		FURNISH MAST ARM, STEEL, STREET LIGHTING, 15 FOOT	DS-119
176	Y	*****		INSTALL MAST ARM, STEEL, STREET LIGHTING, 8 OR 12 FOOT	DS-120
177	Y	*****		INSTALL MAST ARM, STEEL, STREET LIGHTING, 15 FOOT	DS-120
178	Y	*****		PLATE WELD TO POLE, 2-BOLT	DS-121
179	Y	851Z0100C	CDOT SP 851-1	PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S)	DS-122
180	Y	851Z0110C	CDOT SP 851-1	PAINT EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD(S)	DS-122
181	Y	851Z0120C	CDOT SP 851-1	PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE(S), SIGNAL HEAD(S), MAST ARM(S), AND LUMINAIRE(S)	DS-122
182	Y	851Z0130C	CDOT SP 851-1	PAINT EXISTING LIGHTING OR IRRIGATION, LIGHTING, RECEPTACLE OR TRAFFIC SIGNAL CABINET	DS-122
183	Y	821Z0820C	CDOT SP 821-8	LUMINAIRE, LED, COBRA HEAD, ARTERIAL	DS-125
184	Y	*****	CDOT SP 818-1	RACK, SECONDARY AERIAL 2 OR 3 WIRE	DS-126
185	Y	804Z0120C	CDOT SP 804-1	ELECTRIC SERVICE INSTALLATION, 100 AMP	DS-127
186	Y	804Z0140C	CDOT SP 804-1	ELECTRIC SERVICE INSTALLATION, 200 AMP	DS-127

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187	Y	*****		SERVICE ENTRANCE HEAD ON POLE TOP, 1-1/4"	DS-128
188	Y	*****		SERVICE ENTRANCE HEAD ON POLE TOP, 2"	DS-128
189	Y	801Z0220C	CDOT SP 801-2	CIRCUIT BREAKER, 600 VOLT, 1-POLE, 70 AMPERE IN EXISTING STREET LIGHT CONTROLLER	DS-129
190	Y	80400200C	CDOT SP 804-2	ELECTRIC UTILITY SERVICE CONNECTION	DS-130
191	Y	*****		FURNISH AND INSTALL RECTANGULAR RAPID FLASHING SYSTEM, COMPLETE	DS-131
192	Y	720Z0610C	CDOT SP 720-6	ELECTRONIC TRAFFIC SPEED INDICATOR SIGN, AC POWERED (FURNISH AND INSTALL)	DS-133
193	Y	*****		POLE, ANCHOR BASE, RELOCATE COMPLETE	DS-138
194	Y	*****		MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING	DS-139
195	Y	895Z1200C	CDOT SP 895-12	BREAKDOWN HANDHOLE	DS-143
196	Y	895Z1210C	CDOT SP 895-12	BREAKDOWN MANHOLE	DS-143
197	Y	60500040C	CDOT SP 605-1	REMOVING MANHOLES	DS-144
198	Y	60500050C	CDOT SP 605-1	REMOVING CATCH BASINS	DS-144
199	Y	60500060C	CDOT SP 605-1	REMOVING INLETS	DS-144
200	Y	*****	*	BREAKDOWN CONCRETE FOUNDATION, POLE, POST OR CONTROLLER	DS-145
201	Y	*****		REMOVE RISER ON EMBEDDED POLE 1 1/4", 2"	DS-146
202	Y	*****		2W RACKS - REMOVE	DS-146
203	Y	*****		REMOVE AERIAL CABLE	DS-146
204	Y	*****		REMOVE SVC CABLE IN CONDUIT, 3#2	DS-146
205	Y	*****		REMOVE BRANCH WIRES 2W/2NC	DS-146
206	Y	*****		REMOVE TRUSS ALUMINUM MAST ARM 25'	DS-146
207	Y	*****		REMOVE CABLE IN CONDUIT 7, 10, 14, 19, OR 22/C OR LIGHTING CABLE	DS-146
208	Y	*****		REMOVE SERVICE CABLE IN CONDUIT - 2/C	DS-146
209	Y	*****		REMOVE POLE, STEEL, ANCHOR BASE, 11 GA, 20'	DS-147
210	Y	*****		REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 32'6"	DS-147
211	Y	*****		REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 34'-6"	DS-147
212	Y	*****		REMOVE LUMINAIRE, 400W/310W, 150W/100W	DS-147
213	Y	*****		REMOVE STREET LIGHT MAST ARM	DS-147
214	Y	*****		REMOVE TRAFFIC SIGNAL MAST ARM	DS-147
215	Y	*****		REMOVE TRAFFIC SIGNAL HEAD, 1 FACE	DS-147
216	Y	*****		REMOVE PEDESTRIAN SIGNAL HEAD	DS-147
217	Y	*****		REMOVE PEDESTRIAN PUSH BUTTON	DS-147
218	Y	*****		REMOVE TRAFFIC SIGNAL POST 7'/15'/17'/20'	DS-147
219	Y	*****		REMOVE CONTROLLER AND POST	DS-147
220	Y	*****		REMOVE JUNCTION BOX, TSS-18	DS-147
221	Y	*****		REMOVE CONTROLLER ONLY	DS-147
222	Y	*****		REMOVE POLE, STEEL, EMBEDDED, CTA, 30'	DS-148
223	Y	*****		REMOVE POLE, STEEL, EMBEDDED, 7 GA, 33'	DS-148
224	Y	*****		REMOVE SERVICE EQUIPMENT	DS-149
225	Y	*****		REINSTALL TRAFFIC SIGNAL MAST ARM	DS-150
226	Y	*****		REINSTALL STREET LIGHTING MAST ARM	DS-150
227	Y	*****		REINSTALL LUMINAIRE MAST ARM	DS-150
228	Y	*****		REINSTALL POLE	DS-150
229	Y	*****		REINSTALL POST	DS-150
230	Y	*****		REINSTALL PEDESTRIAN SIGNAL	DS-150
231	Y	*****		REINSTALL TRAFFIC SIGNAL	DS-150
232	Y	*****		TEMPORARY TRAFFIC SIGNAL - CASE 1	DS-151
233	Y	*****		TEMPORARY TRAFFIC SIGNAL - CASE 2	DS-151

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234	Y	*****		TEMPORARY TRAFFIC SIGNAL - CASE 3	DS-151
235	Y	863Z0400C	CDOT SP 863-4	INTERSECTION TECHNOLOGY ENHANCEMENTS	DS-153

SECTION II

DETAILED SPECIAL PROVISIONS

ITEM 4 – TREE PROTECTION

CDOT SP 201-2 TREE PROTECTION

Effective: May 30, 2007

Revised: February 25, 2025

Description. Work under this item must be performed in accordance with Section 201 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC) and Chapter 10-32 of the Municipal Code, except as herein modified. This item consists of the protection of trees from damage by the Contractor's equipment and operations during construction as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner.

General Requirements.

1. All trees designated for protection as shown on the plans or as directed by the Commissioner shall be identified with surveyor's flagging tape placed around the trunks at eye level.
2. The Contractor must provide temporary orange snow fencing at the drip line (outer edge of tree canopy) of all trees designated for protection, as shown on the plans or as directed by the Commissioner. The fencing must be securely fastened to fence posts spaced a maximum of five (5) feet on center. Posts are six (6) feet in length with two (2) feet set into the ground and four (4) feet above ground. The fencing shall be attached to the post with a minimum of four (4) nylon locking ties evenly spaced at each post. Tree protection fence must remain in place throughout the duration of construction and must only be removed by direction of the Commissioner. Materials or equipment may not be stored within the tree protection area.
 - a. The drip line shall act as the boundary for the fencing and shall be established on plans as the outer edge of the tree canopy. Multiple trees may be enclosed by a single fence line provided the fence is located at drip line of all trees.
 - b. Where trees are located within Tree Pits, the fencing shall be installed at a minimum distance of the inside dimension of the Tree Pit opening with one stake at each corner of the opening.
 - c. Where trees are located within Parkways, the fencing shall be installed along the width of the parkway with a maximum offset of one (1) foot from the back of curb or edge of sidewalk. Minimum tree protection at parkway length shall be determined as follows:
 - i. Small trees (<10" D.B.H.) minimum five (5) feet from the centerline of the tree.
 - ii. Medium trees (10"-15" D.B.H.) minimum of ten (10) feet from the centerline of the tree.
 - iii. Large trees (>15" D.B.H.) minimum of fifteen (15) feet from the centerline of the tree.
3. Before beginning work, the Contractor shall have all TREE PROTECTION measures in place and shall obtain approval of the Commissioner.
4. The Contractor must hand dig when in the drip line of protected trees.

Tree Protection Deficiencies

1. The protection of trees is extremely important. Tree Protection deficiencies are determined by the Commissioner and may include but are not limited to:
 - a. Tree Protection not in place at the start of construction.

- b. Tree Protection fencing damaged or down.
 - c. Unauthorized removal of Tree Protection fencing.
 - d. Contractor vehicles or equipment or personal vehicles driving or parking under trees.
 - e. Any encroachment in Tree Protection fencing.
 - f. Placement of any material within the Tree Protection fencing or tree drip lines.
 - g. Damage to any tree.
 - h. Unauthorized removal of trees.
 - i. Unauthorized changes in grade.
2. The Contractor must dispatch sufficient resources within 2 hours of notification to make needed corrections of deficiencies. If the Contractor fails to restore the required tree protection within the time limits specified above, the Commissioner will impose a monetary deduction for each incident. This time period will begin with the time of notification to the Contractor and end with the Resident Commissioner's acceptance of the corrections.
 3. For this project, the monetary deduction will be \$2000 per occurrence.
 4. In addition, if the Contractor fails to respond, the Commissioner may correct the deficiencies and the cost thereof will be deducted from monies due or which may become due the Contractor. This corrective action will in no way relieve the Contractor of his/her contractual requirements or responsibilities.
 5. In the event that a tree is damaged by the Contractor's operation or personnel, the Contractor shall be responsible for repair or remediation of the damage as determined by the Commissioner, and/or Department of Streets and Sanitation Bureau of Forestry. In the event that the damage to the tree is beyond repair and requires removal or the Contractor mistakenly removed the tree, the tree must be replaced at the Contractor's expense. At a minimum any tree greater than 4" shall be replaced with a new tree as identified by the Commissioner and/or Bureau of Forestry and shall have a minimum of 4" caliper B&B. Any damaged tree smaller than 4" caliper measured 6" above ground shall be replaced in kind, inch for inch.
 6. The quality of the replacement tree must be equivalent to the standards of CDOT and/or the Bureau of Forestry. The cost of this work will be the responsibility of the Contractor.
 7. Violations resulting in soil compaction or grade changes in the tree protection area will subject the Contractor to perform vertical mulching and/or radial aeration as directed by the Commissioner.

Root Pruning

The Contractor must provide ROOT PRUNING, as specified, where the limits of the TREE PROTECTION area are less than the trees' canopy or where roots become exposed during excavation or trenching. Such work shall be paid for under the item ROOT PRUNING.

Clean-up and Disposal

Upon completion of work, the Contractor is responsible for ensuring that all TREE PROTECTION areas within the scope of work and adjacent areas that may have been impacted are clean and free of trash or debris.

Method of Measurement. TREE PROTECTION will be measured for payment per tree. Any sapling or tree with 1 to 3 stems with at least one stem having a minimum diameter of six (6 inches) must be measured as one tree. TREE PROTECTION must include furnishing, installing and removing the temporary fencing.

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Basis of Payment. This work will be paid for at the contract unit price per each for TREE PROTECTION, which price must be payment in full for all labor, tools, equipment, materials and incidentals necessary to complete the work as specified.

Arborist inspection will be paid for according to the ARBORIST INSPECTION specification.

ITEM 5 - EARTH EXCAVATION (SOIL TO LANDFILL)

CDOT SP 202-2 EARTH EXCAVATION (SOIL TO CCDD FACILITY, USFO, OR LANDFILL)

Effective: January 1, 2023

Revised: August 14, 2025

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Sections 202 and 669 of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified. This work shall consist of the removal and satisfactory disposal of soil, regardless of depth.

General Requirements.

1. If not completed by the City, the Contractor will collect and analyze soil samples exclusively for waste characterization purposes with the intent of generating a Non-Hazardous/Non-Special Waste profile for project soils requiring off-site disposal at a Subtitle D Solid Waste Landfill.
2. Soil sampling shall not be allowed for Clean Construction or Demolition Debris (CCDD) or Uncontaminated Soil Fill Operation (USFO) certification or reclassification of material unless prior approval is granted by the Commissioner.
3. The Commissioner shall provide Generator Certification for all CDOT project soils requiring off-site disposal and/or management.
4. Soils shall be disposed of at licensed, Illinois Environmental Protection Agency (IEPA)-permitted facilities located within the State of Illinois. No materials shall be disposed of at private properties or unlicensed facilities.
5. Staging of project soils for off-site disposal shall be prohibited, unless approved by the Commissioner.

Submittals. The Contractor shall prepare prior to any material being disposed a submittal for Commissioner review and approval that includes a completed Contractor's Dump Affidavit showing the name and location of each CCDD facility, USFO, or Landfill that is proposed for this contract.

All dump affidavits, and any required soil sampling, testing, analysis, and additional documentation required for disposal of uncontaminated soil to a CCDD facility, USFO, or Landfill, including preparation of IEPA Certification Form LPC-663, which CDOT shall provide to the Contractor prior to start of removal operations, shall be provided to the Engineer for final review and approval.

Construction Requirements.

All surplus soil resulting from excavated material shall be disposed of according to the classification of that soil. If soils are encountered which may be considered contaminated (i.e. petroleum-based products, paint material, pesticides, asbestos, herbicides, acids, etc.), the Contractor shall contact the Engineer prior to removal and/or disposal of the material from the project site.

Soil Classifications. Each classification is defined according to the following requirements based on the type of disposal facility.

Soil to CCDD or USFO Facility

Soils shall not contain urban fill material waste or debris (e.g., slag, cinders, coal, glass, wood, plastic) items. Soils shall not exhibit readings above background values during field screening of

soil, using either a photoionization detector (PID) (minimum 10.6eV lamp) or a flame ionization detector (FID), and other equipment as appropriate.

The Contractor shall comply with State of Illinois regulations regarding excavated soil that will be disposed of in permitted quarries, mines, or excavations accepting CCDD-eligible and uncontaminated soil. An expectation that is unique to the uncontaminated soil regulations is only the contaminants associated with a potentially impacted property (PIP) require testing.

The management and disposal of soil to a CCDD facility or USFO shall be classified according to one of the following categories:

CDOT 1: Soil classified as CDOT 1 can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of at a CCDD or USFO facility within a Metropolitan Statistical Area (MSA) County provided that the pH of the soil is within the range of 6.25 – 9.0, inclusive. Soil shall be managed as CDOT 1 when one (1) or more of the following conditions are met:

Analytical results indicate total inorganic contaminants exceed the most stringent MAC but do not exceed the MAC for an MSA County identified in 35 Illinois Administrative Code (IAC) Part 742 – Tiered Approach to Corrective Action Objectives (TACO), Appendix A, Table G.

Analytical results indicate that total inorganic contaminants achieve the most stringent MAC, but the corresponding Toxicity Characteristic Leaching Procedure (TCLP) or Synthetic Precipitation Leaching Procedure (SPLP) results exceed the most stringent MAC.

CDOT 2: Soil classified as CDOT 2 can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD or USFO facility within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 – 9.0, inclusive. Soil shall be considered CDOT 2 when the following conditions are met:

When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits.

CDOT 3: Soil classified as CDOT 3 can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD or USFO facility within an MSA County including Chicago provided the pH of the soil is within the range of 6.25 – 9.0, inclusive. ***Soil shall be managed and disposed of per CDOT 3 only with the review and approval of the Commissioner.***

When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago.

Soil to Subtitle D Solid Waste Landfill Facility (Non-Special Waste)

All soil not reused within the project construction limits, falling within the classifications listed below, shall be disposed of as Non-Special Waste (NSW) at a licensed and CDOT pre-approved, permitted Subtitle D Solid Waste Landfill.

If not already handled in the bid package submittal process, the Contractor shall select a landfill permitted for disposal of the regulated substances within the State of Illinois. The Contractor shall verify whether the selected disposal facility is compliant with those applicable standards as mandated by their permit and whether the disposal facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List (NPL) or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. Prior to using the selected landfill, the Contractor shall submit all necessary information and documentation to the Engineer for review and approval.

The use of a Contractor-selected landfill shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.

If not completed by the City, the Contractor shall collect and analyze only the required number of waste characterization samples for the specific parameters required by the landfill using a NELAP-certified laboratory registered with the State of Illinois.

The management and disposal of CCDD/USFO ineligible material not considered Special Waste or Hazardous Waste shall be classified according to one of the following categories:

CDOT 4: Soil considered CDOT 4 can be utilized within the right-of-way as embankment or fill, when suitable. If the soils cannot be utilized within the right-of-way, they shall be managed and disposed of at a landfill as non-special waste. Soil shall be classified as CDOT 4 when the following condition is met:

- 1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC, but still considered within area background levels by the Engineer, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable. If the soils cannot be utilized within the right-of-way, they shall be managed and disposed of at a landfill as a non-special waste, as long as the total inorganic contaminant concentrations are below the most stringent residential exposure value pursuant to 35 IAC Part 742 - TACO, Appendix B, Table A.

CDOT 5: Soil considered CDOT 5 should be disposed of at a landfill as a non-special waste. Soil is considered CDOT 5 if any of the following conditions are met:

When the Engineer determines soil cannot be managed according to classification types CDOT 1, CDOT 2, CDOT 3, or CDOT 4 above and the materials do not contain special waste or hazardous waste, as determined by the Engineer, the soil shall be managed and disposed of at a landfill as a non-special waste.

Soil as Special Waste or Hazardous Waste

The Contractor shall follow Section 669 of the SSRBC regarding the handling, management, treatment, storage, and disposal of special waste and/or hazardous waste as determined by the Engineer, which shall be classified according to the following:

CDOT 6: When analytical results indicate soil is hazardous by characteristic or listing pursuant to 35 IAC Part 721, contains radiological constituents, or the Engineer otherwise determines the soil cannot be managed according to CDOT 1 through CDOT 5 above, the soil shall be managed and disposed of off-site as a special waste or hazardous waste as applicable.

Regulated Substances Monitoring

Regulated substances monitoring includes environmental observation and field screening during regulated substances management activities at the contract specific work areas. As part of the regulated substances monitoring, the monitoring personnel shall be directed by an Environmental Professional to perform and document the applicable duties.

Environmental Observation. Prior to beginning excavation, the Contractor shall mark the limits of the contract specific work areas. Once work begins, the monitoring personnel shall be present on-site continuously during the excavation and loading of material.

Field Screening. Field screening shall be performed during the excavation and loading of material from the contract specific work areas.

Field screening shall be performed with either a PID (minimum 10.6eV lamp) or a FID, and other equipment as appropriate, to monitor for potential contaminants associated with regulated substances. The PID or FID shall be calibrated on-site, and background level readings taken and recorded daily, and as field and weather conditions change. Field screen readings on the PID or FID in excess of background levels indicates the potential presence of regulated substances requiring handling as a non-special waste, special waste, or hazardous waste. PID or FID readings may be used as the basis of increasing the limits of removal with the approval

of the Engineer but shall in no case be used to decrease the limits.

Temporary Staging

Temporary Staging of regulated substances shall require approval of the Commissioner and/or their Representative prior to beginning any work. In the instance that staging is approved for a project, the Contractor shall temporarily stage materials in accordance with SSRBC Section 669.07.

QC/QA Requirements.

The Engineer will review and approve all applicable dump affidavits, soil sampling, testing, analysis, and documentation required for disposal of uncontaminated soil to a CCDD facility, USFO, or Landfill. Before making payment, this information will be required to be submitted through the CDOT CMQA material submittal process for final acceptance by CDOT QA.

All special waste or hazardous waste materials will be handled, reviewed, and approved as required by the Commissioner and Section 669 as may be applicable.

Method of Measurement.

This work will be measured in place and the volume in cubic yards computed by the method of average end areas, or by using topographic surveys in conjunction with computations from digital terrain models.

Basis of Payment.

The transportation and disposal of soil and other materials from an excavation determined to be classified as CDOT 1 through CDOT 3 will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION (SOIL TO CCDD) or EARTH EXCAVATION (SOIL TO USFO).

The transportation and disposal of soil and other materials from an excavation determined to be classified as CDOT 4 or CDOT 5 will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION (SOIL TO LANDFILL).

If any excavated material is determined to be special waste or hazardous waste, it will be paid for separately.

ITEM 6 - AGGREGATE FOR TEMPORARY ACCESS

CDOT SP 701-8 MAINTENANCE OF ACCESS TO ABUTTING PROPERTY

Effective: December 19, 2022

Revised: November 1, 2023

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 402 and 406 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified. This work consists of providing, maintaining, and or relocating temporary access from the street being improved to an abutting property by furnishing pedestrian bridges, temporary walkways, steel plates, compacted crushed stone, compacted leveling binder and or other items in an acceptable manner.

Materials. Temporary Access materials shall meet the requirements of Article 1004.04 of the SSRBC for crushed stone and Section 406 of the SSRBC for leveling binder.

Equipment. Equipment shall be according to Section 100, 300, 400 and 701 of the IDOT SSRBC.

General Requirements.

The Contractor must at all times conduct the work in such a manner as to insure the least obstruction to vehicular, bike, and pedestrian traffic. The convenience of the general public and of residents along the involved streets must be provided for in an adequate and satisfactory manner as directed by the Commissioner.

Where possible, the Contractor must provide temporary access from the street under improvement to abutting side streets, alleys, driveways, parking lots, buildings, houses, crosswalks, CTA bus stops disturbed by the construction, including access from sidewalks to the bus stops, and to any other property where egress and ingress is required. Also, fill utility trenches from the sub-base elevation to existing surface elevation. AGGREGATE FOR TEMPORARY ACCESS shall follow and be paid for separately per Section 402.

When permanent access has been re-established, the materials used for temporary access must be removed by the Contractor and is to become his/her property for disposal thereof. However, he/she may use the same material in other locations to provide temporary access if approved by and as directed by the Commissioner.

The contractor shall provide at least 2 weatherproof (vinyl or similar material) banners displaying the message, "BUSINESSES OPEN" or similar for business impacted. These banners will be securely affixed to the TEMPORARY CHAIN LINK FENCE or as directed by the Commissioner to indicate and pedestrians that the local business establishments are open for business during construction. The banners may be perforated to allow wind to pass through. These banners will be relocated as necessary with the TEMPORARY CHAIN LINK FENCE.

Ground mounted signs may be substituted, or a different message, banner type, or mounting type may be used with the Commissioner's approval.

Banner and legend size and color will be determined by the contractor and approved by the Commissioner and should meet a minimum requirement of 6" letter height.

Materials. Materials under this item shall conform to Section 701 of the IDOT SSRBC.

Equipment. Equipment shall be according to Section 701 of the IDOT SSRBC

Method of Measurement. The crushed stone or leveling binder used for maintenance of access to abutting property will be measured for payment per Section 400 and 701 of the IDOT SSRBC. The amount of stone, regardless of how many times it is used or placed, will be measured only once as evidenced by a load ticket furnished by the Contractor to the Commissioner showing the net weight of the stone on the truck when it arrives at the site. When Leveling Binder is used to maintain access, payment for this item shall include placement, removal and proper disposal of the material. The use of other items such as steel cover plates, and other means used in providing access to property will not be measured for payment and will be considered incidental to this item.

Basis of Payment. This work will be paid for per Section 400 of the IDOT SSRBC as AGGREGATE FOR TEMPORARY ACCESS.

ITEM 8 - HYDRAULIC SEEDING, CLASS 1A

CDOT SP 250-2 HYDRAULIC SEEDING, CLASS 1A

Effective: January 1, 2024

Description. Work under this item shall be performed according to Section 250 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified.

Materials. Seeding shall be a Class 1A mixture.

General. Seeding Class 1A shall be sown with a hydraulic seeder.

Method of Measurement. This work will be measured in place and the area computed in square yards.

Basis of Payment. This work will be paid at the contract unit price per square yard for HYDRAULIC SEEDING which price shall be payment for completing the work as specified.

ITEM 9 - HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT 8 INCH
ITEM 10 - HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8
INCH

CDOT SP 420-1 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT

Effective: October 24, 2022

Revised: March 20, 2026

Description. Work under this item shall consist of placing high early strength portland cement concrete base course, roadway, alley, driveway, or bus pads pavement of the thickness specified in the plans, standard drawings, and/or work order. This work includes furnishing and placing high early strength portland cement concrete on a prepared subgrade and/or subbase with the required epoxy coated tie and dowel bars as detailed in the standard drawings. Work under this item shall be performed according to Sections 353, 420 and 423 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified.

Materials. Subbase granular material, type B shall be a CA06 gradation meeting the requirements of Article 1004.04.

Granular backfill shall be a stone sand meeting a FA20 or FA21 gradation according to the requirements of Article 1003.04 of the SSRBC.

High Early Strength (HES) concrete shall conform to the requirements of a class PV concrete, except that the use of Type III cement shall not be permitted, and an IDOT/CDOT approved PP-1 patching or high early PV mixture shall be used, final acceptance for use is at the discretion of the Commissioner. The class PV minimum strength requirement of 3,500 psi shall be achieved within 3 days.

A protective coat will not be required for any HES concrete regardless of placement date.

Construction. Upon removal of any existing base course, roadway, alley, or bus pad pavement the Engineer shall verify the subbase material is clean, uncontaminated with subgrade, or any other foreign material. The depth of the subbase shall be a minimum of 6 inches, or as required in the standard drawings, and show no signs of being unstable. If the Engineer determines the subbase material is thin, unstable, or contaminated the existing subbase material shall be removed and replaced, or repaired to the satisfaction of the engineer with a minimum 6 inch thickness of subbase granular material, type B or as required in the standard drawings.

When no existing subbase material is present, driveway pavement excluded, the subgrade shall be excavated to accommodate the placement and compaction of a minimum of 6 inches of subbase granular material, type B or as required in the standard drawings. Prior to placement of the subbase material the subgrade shall be leveled and compacted to the satisfaction of the Engineer. If the Engineer determines the subgrade is unstable or unsuitable it shall be removed as directed and replaced with subbase granular material, type B. Any required subgrade removal shall be at a depth that will accommodate no less than 6 inches of subbase granular material, type B or as required in the standard drawings, with the remaining subgrade prepared level and compacted to the satisfaction of the Engineer.

Driveway pavement does not require the use of any subbase granular material, type B, unless it is specifically called out in the contract documents. When contract documents require a subbase granular material follow the contract documents and applicable requirements in this special provision for concrete pavement. When a subbase layer is not called out in the contract documents and the existing subgrade is acceptable as determined by the Engineer the driveway pavement can be placed directly on the subgrade. When the existing subgrade is acceptable as determined by the Engineer, and requires leveling less than

2 inches, a granular backfill stone sand meeting a FA20 or FA21 gradation shall be required. Leveling equal to or greater than 2 inches shall be completed using a subbase granular material, type B product. All leveling shall be compacted to the satisfaction of the Engineer. If the Engineer determines the subgrade is unstable or unsuitable it shall be removed as directed and replaced with subbase granular material, type B. Any required subgrade removal shall be at a depth that will accommodate no less than 6 inches of subbase granular material, type B or as required in the standard drawings, with the remaining subgrade prepared level and compacted to the satisfaction of the Engineer.

Placement of all subbase granular material, type B, except for leveling operations, shall be as directed by the Engineer and compaction shall be according to Article 311.05(b).

HES concrete base course, roadway, alley, and bus pad pavement shall be placed according to Article 420.07 and struck-off and finished according to Article 420.09 with a final finish using a broom according to Article 1103.17. Tining is required for all items, excluding driveway and alley pavements, when the item of construction is the final riding course. Tining shall be completed according to Article 420.09(e)(1). HES concrete driveway pavement shall be placed, struck-off, and finished according to Article 423.06.

Method of Measurement. This work will be measured for payment in place and the area computed in square yards for items with a specified thickness. Items without a specified thickness will be measured for payment in place and the volume computed in cubic yards.

The removal of any subbase or subgrade material will be measured for payment and the volume computed in cubic yards.

Granular subbase, or granular backfill material used for leveling will not be measured for payment.

Granular subbase for base course, roadway and alley pavement will be measured for payment in place and the volume computed in cubic yards. When driveway pavement subgrade is determined to be unstable or unsuitable by the Engineer and is removed and replaced with 6 inches or more of subbase granular material, type B, it will be measured for payment in place and the volume computed in cubic yards.

Granular subbase for bus pads is incidental to the construction and will not be measured for payment.

Epoxy coated tie and dowel bars are incidental to this construction and will not be measured for payment.

Hot poured joint sealer is incidental to the construction of bus pads and will not be measured for payment.

Basis of Payment. This work will be paid at the contract unit price per square yard for HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE, HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE BUS PAD PAVEMENT, and HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE GARAGE APRON, of the thickness specified, or per cubic yard for HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, VARIABLE DEPTH.

Removal of subbase or subgrade will be paid for at the contract unit price per cubic yard for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, EARTH EXCAVATION (SOIL TO CCDD), EARTH EXCAVATION (SOIL TO USFO), or EARTH EXCAVATION (SOIL TO LANDFILL).

Except for bus pads, granular subbase will be paid for at the contract unit price per cubic yard for SUBBASE GRANULAR MATERIAL, TYPE B.

ITEM 11 - PAVEMENT REMOVAL AND REPLACEMENT, 10 INCH (HIGH EARLY STRENGTH)

Description. Work under this item shall be performed in accordance with Sections 420 and 440 of the Standard Specifications and the Standard Details, except as here in modified. This work consists of furnishing all labor, material, and equipment necessary to remove the existing pavement from existing finished elevation to proposed sub-base elevations and construct a new section of 10-inch High Early Strength PCC Pavement for bus pads as directed by the Commissioner.

General Requirements: Pavement replacement shall be performed within three (3) calendar days after the excavation is completed. All pavement must be opened to traffic within ten (10) calendar days after removal. Failure to open the pavement to traffic within ten (10) calendar days will be considered a traffic control deficiency and the Contractor shall be charged in accordance with the item TRAFFIC CONTROL COMPLETE.

Materials. High Early Strength (HES) concrete applications shall conform to the requirements of a class PV concrete, except that the use of Type III cement shall not be permitted, and an IDOT/CDOT approved patching mixture shall be used with a minimum cement factor of 6.50 cwt and a maximum cement factor of 7.05 cwt. The class PV minimum strength requirement of 3,500 psi shall be achieved within 3 days.

Construction Requirements. The Contractor shall construct temporary ramps at the beginning and end of the new bus pads to protect the edges of the pads from being chipped off. This work is not part of this item but will be paid under item TEMPORARY RAMP, SPECIAL.

Also included in this item is the installation of Contraction Joint Assembly (dowel basket) as shown on the Standard Details.

Method of Measurement: Pavement removal and replacement will not be measured separately. The actual area of replacement will be used as the basis of payment and will be measured in square yards.

Basis of Payment: This work will be paid for at the contract unit price per square yard for PAVEMENT REMOVAL AND REPLACEMENT, 10-INCH (HIGH EARLY STRENGTH).

ITEM 16 - STAMPED COLORED CONCRETE

Description. Work under this item shall be performed according to Section 420 and 423 of the IDOT Standard Specifications for Road and Bridge Construction and CDOT Standard 4240010, except as herein modified.

This work shall consist of constructing Integrally Colored Portland Cement Concrete pavements, sidewalks, driveways, and sidewalk topping on vaulted sidewalk structural slabs as directed by the Commissioner. All Integrally Colored Portland Cement Concrete shall also be constructed with a Clear Joint Sealing Compound. This work will also include a stamped pattern in the concrete, to match either existing adjacent concrete, or removed concrete.

Submittals. Submit the following prior to construction.

1. Product Literature. Furnish manufacturer's literature describing the general properties of each product to be used in the Work.
2. Submittals. Provide samples, manufacturer's product data, test reports, materials' certifications, and record documents as required. The Contractor shall provide several small samples (approximately 5 square feet) to demonstrate color and pattern for approval by the Commissioner. The Contractor shall provide a mock-up of 10 square feet minimum to be approved by the Commissioner. The approved sample shall be standard for the balance of the work installed

Materials.

Color admixture. The grade of the admixture shall be for exterior applications. The color shall be as identified using the color chart published by L.M. Scofield Company or Butterfield Color and/or blended as may be required to match existing conditions or as directed by the Commissioner.

Color choices will be submitted for approval by the Commissioner.

Stamp. The stamping tool will be as close a match as possible to the existing original pattern or as approved by the Commissioner. The stamping tool and shop drawings shall be submitted for approval by the Commissioner.

Penetrating Silane Concrete Sealer. Water repellant, penetrating alkyl alkoxy silane sealer, not less than 20% solids content by weight, clear, colorless, does not affect color of substrate as specified in Section 1058 of the IDOT Standard Specifications for Road and Bridge Construction.

Curing. Membrane Curing will not be permitted where a protective coat or penetrating sealer is to be applied. Concrete at these locations shall be cured by another method specified in Article 1020.13 at no additional cost to the City.

Penetrating Sealer. Immediately upon completion of the concrete finish application, provide the specified clear penetrating silane sealer and saturate the concrete finish surfaces in accordance with manufacturer's application instructions for type and porosity of concrete. Surfaces to be sealed shall be free of dirt, dust, and other foreign material immediately prior to application of the sealer. Mask areas to receive joint sealers before application of the surface coating.

Method of Measurement. Stamped colored concrete will be measured in place in place and the volume computed in cubic yards.

Basis of Payment. This work will be paid at the contract unit price per cubic yard for STAMPED COLOR CONCRETE.

ITEM 17 - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
ITEM 18 - PORTLAND CEMENT CONCRETE ADA RAMP 5 INCH
ITEM 19 - PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH
ITEM 20 - PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH

CDOT SP 424-1 PORTLAND CEMENT CONCRETE SIDEWALK

Effective: October 26, 2022
Revised: February 5, 2026

Description. Work under this item shall consist of placing and constructing portland cement concrete sidewalk or ADA ramps of the thickness specified in the plans, standard drawings and/or work order. This work includes furnishing and placing portland cement concrete on a prepared subgrade or subbase as detailed in the standard drawings. Work under this item shall be performed according to Section 424 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified.

Materials. Subbase granular material, type B shall be a CA06 gradation according to the requirements of Article 1004.04 of the SSRBC.

Granular backfill shall be a stone sand meeting a FA20 or FA21 gradation according to the requirements of Article 1003.04 of the SSRBC.

Construction Requirements. The subgrade or subbase shall be leveled and compacted to the satisfaction of the Engineer. If any subgrade or subbase material is determined by the Engineer to be unstable or unsuitable it shall be removed as directed and replaced with subbase granular material, type B. Any required subgrade removal shall be at a depth of no less than 2 inches with the remaining subgrade prepared level and compacted to the satisfaction of the Engineer. Placement of the subbase granular material, type B shall be as directed by the Engineer and compaction shall be according to Article 311.05(b) of the SSRBC.

If the existing subbase or subgrade is acceptable as determined by the Engineer, and requires leveling less than 2 inches, a granular backfill stone sand meeting a FA20 or FA21 gradation shall be required. Leveling equal to or greater than 2 inches shall be completed using a subbase granular material, type B material. All leveling shall be compacted to the satisfaction of the Engineer.

Detectable warning tiles for ADA ramps shall be installed according to the special provision Detectable Warning Tiles.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet. ADA ramps will include the side curbs, side flares, level landing area, ramps and the sidewalk constructed between adjacent ramps within the corner radius.

Detectable warning tiles will be measured for payment according to the special provision Detectable Warning Tiles.

The removal of any subgrade material will be measured for payment and the volume computed in cubic yards.

Subgrade, granular subbase, or granular backfill material used for leveling will not be measured for payment. Granular subbase material used for replacing unstable or unsuitable material will be measured for payment in place and the volume computed in cubic yards.

Basis of Payment. This work will be paid at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK and PORTLAND CEMENT CONCRETE ADA RAMP, of the thickness specified.

Detectable warning tiles will be paid for according to the special provision Detectable Warning Tiles. Removal of subgrade will be paid for at the contract unit price per cubic yard for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, EARTH EXCAVATION (SOIL TO CCDD), EARTH EXCAVATION (SOIL TO USFO) or EARCH EXCAVATION (SOIL TO LANDFILL).

Granular subbase material used to replace unstable or unsuitable subgrade will be paid for at the contract unit price per cubic yard for SUBBASE GRANULAR MATERIAL, TYPE B.

Subgrade, granular subbase, or granular backfill material used to level the subgrade or subbase will not be paid for separately but shall be included in this item.

ITEM 21 - HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP 8 INCH

CDOT SP 424-3 HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE SIDEWALK

Effective: May 9, 2023

Revised: February 5, 2026

Description. Work under this item shall consist of placing and constructing high early strength portland cement concrete sidewalk or ADA ramps of the thickness specified in the plans, standard drawings and/or work order. This work includes furnishing and placing high early strength portland cement concrete on a prepared subgrade or subbase as detailed in the standard drawings. Work under this item shall be performed according to Section 424 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified.

Materials. Subbase granular material, type B shall be a CA06 gradation according to the requirements of Article 1004.04 of the SSRBC.

Granular backfill shall be a stone sand meeting a FA20 or FA21 gradation according to the requirements of Article 1003.04 of the SSRBC.

High Early Strength (HES) concrete shall conform to the requirements of a class SI concrete, except that the use of Type III cement shall not be permitted, and an IDOT/CDOT approved PP-1 patching or high early SI mixture shall be used, final acceptance for use is at the discretion of the Commissioner. The class SI minimum strength requirement of 3,500 psi shall be achieved within 3 days.

Construction Requirements. The subgrade or subbase shall be leveled and compacted to the satisfaction of the Engineer. If any subgrade or subbase material is determined by the Engineer to be unstable or unsuitable it shall be removed as directed and replaced with subbase granular material, type B. Any required subgrade removal shall be at a depth of no less than 2 inches with the remaining subgrade prepared level and compacted to the satisfaction of the Engineer. Placement of the subbase granular material, type B shall be as directed by the Engineer and compaction shall be according to Article 311.05(b) of the SSRBC.

If the existing subbase or subgrade is acceptable as determined by the Engineer, and requires leveling less than 2 inches, a granular backfill stone sand meeting a FA20 or FA21 gradation shall be required. Leveling equal to or greater than 2 inches shall be completed using a subbase granular material, type B material. All leveling shall be compacted to the satisfaction of the Engineer.

Detectable warning tiles for ADA ramps shall be installed according to the special provision Detectable Warning Tiles.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet. ADA ramps will include the side curbs, side flares, level landing area, ramps and the sidewalk constructed between adjacent ramps within the corner radius.

Detectable warning tiles will be measured for payment according to the special provision Detectable Warning Tiles.

The removal of any subgrade material will be measured for payment and the volume computed in cubic yards.

Subgrade, granular subbase, or granular backfill material used for leveling will not be measured for payment. Granular subbase material used for replacing unstable or unsuitable material will be measured for payment in place and the volume computed in cubic yards.

Basis of Payment. This work will be paid at the contract unit price per square foot for HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE SIDEWALK and HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA RAMP, of the thickness specified.

Detectable warning tiles will be paid for according to the special provision Detectable Warning Tiles.

Removal of subgrade will be paid for at the contract unit price per cubic yard for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, EARTH EXCAVATION (SOIL TO CCDD), EARTH EXCAVATION (SOIL TO USFO) or EARTH EXCAVATION (SOIL TO LANDFILL).

Granular subbase material used to replace unstable or unsuitable subgrade will be paid for at the contract unit price per cubic yard for SUBBASE GRANULAR MATERIAL, TYPE B.

Subgrade, granular subbase, or granular backfill material used to level the subgrade or subbase will not be paid for separately but shall be included in this item.

ITEM 22 - LINEAR DETECTABLE WARNING TILES (CAST IRON)
ITEM 23 - RADIAL DETECTABLE WARNING TILES (CAST IRON)

CDOT SP 424-2 DETECTABLE WARNING TILES

Effective: December 1, 2008
Revised: August 29, 2023

Description. Work under this item shall consist of installing detectable warning tiles on ADA ramps according to Section 424 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified. This work shall comply with the latest Chicago Department of Transportation (CDOT) ADA standard details and as detailed in the plans and/or work order.

Materials. The detectable warning tiles shall be provided by a Manufacturer on the current CDOT Approved List of Detectable Warning Products.

Construction Requirements. The equipment and installation procedures used shall be according to the Manufacturer's recommendations.

The Contractor shall install detectable warning tiles flush with adjacent concrete and snug to adjacent tiles resulting in a system that limits water infiltration around the perimeter and between tiles, or as directed by the Commissioner.

Method of Measurement. Detectable warning tiles will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work will be paid at the contract unit price per square feet for LINEAR DETECTABLE WARNING TILES or RADIAL DETECTABLE WARNING TILES.

ITEM 24 - BRICK PAVER REMOVAL AND REPLACEMENT

Description. This work shall consist of removal, storage and reinstallation of existing brick or concrete pavers at locations shown on the plans or as directed by the Commissioner.

Materials. Existing pavers should be salvaged, safely stored and reutilized. New materials shall be according to the following Articles for Division 1000-Materials of the Standard Specifications.

Item Article/Section

(a) Fine Aggregate (Note 1).....1003.01, 1003.02(d)

Note 1. Fine aggregate used for the bedding course and joint filling shall be sand, silica sand or slag sand. It shall be Class A quality and dry. For the bedding course, the gradation shall be FA 1 or FA 2. For joint filling, the gradation shall be FA 9 or equivalent commercially available masonry sand complying with ASTM C144.

Equipment. Equipment shall conform to the following Articles of Division 11000-Equipment of the Standard Specifications.

(a) Vibrator/Compactor (Note 1)

Note 1. The vibrator/compactor shall be either a plate compactor with a high frequency, low amplitude plate or a rubber-roller mechanical vibrator.

Construction Requirements.

Preparation of Subgrade. The subgrade shall be prepared according to Section 301 of the Standard Specifications, except Articles 301.05 and 301.06 shall not apply.

Bedding Course. The fine aggregate for bedding shall be placed and screened, without compaction, to a uniform thickness of 1 to 1.5 in. Prepared areas shall not be left overnight, unless they are protected from disturbance and moisture. Any saturated bedding aggregate shall be removed and replaced.

Installation. The bricks or pavers shall be laid so there is a flush transition between the new work and the undisturbed area. After the entire area has been laid, it shall be set into the bedding course by one pass of the vibrator/compactor. Vibration/compaction shall stop within three ft. of any unrestrained edge.

Joint Filling: The fine aggregate for joint filling shall be spread over the bricks or pavers and hand broomed into the joints. The aggregate shall then be worked down into the joints with multiple passes of the vibrator/compactor until the joints are completely filled. Excess fine aggregate shall be removed by hand brooming.

Method of Measurement: This work shall be measured for payment in place and the area computed in square feet.

Basis of Payment: This work will be paid at the contract unit price per square foot for BRICK PAVER REMOVAL AND REPLACEMENT.

ITEM 25 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

CDOT SP 440-1 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

Effective: May 15, 2009
Revised: August 8, 2024

Description. Work under this item shall be performed according to Section 440 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified.

General Requirements. This work shall consist of the removal of hot-mix asphalt (HMA) surfaces, including adjacent Portland cement concrete pavement, trenches, and patches, in preparation for subsequent resurfacing as shown in the plans, standard drawings and/or work order.

Construction Requirements. Prior to the start of grinding operations, all open lid structures shall be protected to prevent any grinding debris from entering the structure. Any debris entering structures shall be immediately removed and the entire structure shall be cleaned at no cost to the City.

Method of Measurement. This work will be measured for payment in square yards. No adjustment will be made for variations in the depth of material removed.

Basis of Payment. This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.

ITEM 30 - ALLEY PAVEMENT REMOVAL

CDOT SP 440-2 ALLEY PAVEMENT REMOVAL

Effective: July 1, 2009
Revised: July 1, 2010

Description. Work under this item shall be performed according to Section 440 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified.

This work shall consist of the removal and disposal of existing alley pavement, regardless of depth and material types encountered, as shown on the plans, and as directed by the Commissioner.

Method of Measurement. This work will be measured for payment in place in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for ALLEY PAVEMENT REMOVAL.

ITEM 31 - STORM SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, TYPE 1, 8 INCH
ITEM 32 - STORM SEWER, DUCTILE IRON PIPE, TYPE 1, 8 INCH

CDOT SP 550-1 **STORM SEWER OR HOUSE DRAIN, EXTRA STRENGTH VITRIFIED CLAY PIPE, DUCTILE IRON PIPE, OR REINFORCED CONCRETE PIPE**

Effective: January 1, 2023

Revised: April 10, 2026

Description. Work under these items shall be performed according to Section 550 of the IDOT Standard Specifications for Road and Bridge Construction, the current City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Construction, and as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, except as herein modified.

Materials. Materials shall be according to the following:

- (a) Extra Strength Vitrified Clay Pipe (ESVCP) shall be according to the requirements of ASTM C 700. All joints for ESVCP shall be according to ASTM C 425.
- (b) Ductile Iron Pipe (DIP) shall be according to ANSI A21.51 (AWWA C151), Class 52. DIP joints shall be according to ANSI A21.11 (AWWA C111). DIP fittings shall be according to ANSI A21.10 (AWWA C110).
- (c) DIP gaskets shall be according to ANSI A21.11 (AWWA C111)
- (d) DIP encasement shall be 4-mil, cross-laminated, high density polyethylene tubing according to AWWA C105.
- (e) Reinforced Concrete Pipe (RCP) shall be according to the Sewer Construction and Stormwater Management standard details and ASTM C76.
- (f) Elliptical Reinforced Concrete Pipe (ERCP) shall be according to the Sewer Construction and Stormwater Management standard details and ASTM C507.
- (g) Coarse aggregate for bedding material shall meet a CA-11 gradation in accordance with Section 1004.05 of the IDOT Standard Specifications.

Construction Requirements. Where a sewer or drain connection is to be made to a proposed ESVCP or DIP sewer, a manufactured Y or T branch must be installed in the sewer at this junction. All Y branch sections shall have a connecting angle of 45 degrees, or an angle approved by the Commissioner. Where a sewer or drain connection is to be made to a proposed RCP sewer, a pipe section with a pre-drilled hole of the proper diameter must be installed at this junction. The junction of the proposed sewers must be constructed as shown on the Detail Construction Standards.

When a sewer or drain connection is to be made to an existing sewer, a "T" or "Y" saddle must be installed per the Detail Construction Standards. The circular opening in the existing sewer must be core drilled to the same size as the external diameter of the proposed sewer or drain connection.

The protrusion of the proposed sewer into the existing sewer must not exceed a maximum of one inch (1"). Edge of core holes must be a minimum of 1.5 feet from the edge of pipe and a minimum distance of 5 feet horizontally between holes. Holes must not be drilled higher than 10 and 2 o'clock. The joint between the existing sewer and the proposed sewer must be completely sealed with brick and mortar as shown in the Detail Construction Standards.

If the existing sewer pipe is cracked, broken or otherwise damaged by the Contractor in making this cored opening, the Contractor must replace this section of pipe with a pipe equal to and similar in all respects to the pipe of the existing sewer. The Contractor must do this work in a careful, workmanlike manner without extra compensation, so as not to disturb the adjoining sections of existing pipe. The junction of the proposed and existing sewers must be constructed as shown on the Detail Construction Standards included in these Specifications.

Flow in the sewers must not be interrupted unless adequate provisions, acceptable to the Commissioner, are made to continue service. A temporary flume pipe must be installed at the end of each day between the existing and proposed sewers at locations where an existing sewer is being replaced.

Where broken tile in the existing sewer is determined, the Contractor must replace the broken tile. This work will be paid for at the contract unit bid price per foot for Storm Sewer of the corresponding type and diameter.

New openings or enlargements of existing openings in existing manholes that are required to accommodate the proposed sewers and removal and disposal of existing sewers within the proposed sewer trench will not be paid for separately but shall be considered included in the contract unit bid price for storm sewer items.

Inspection and Acceptance. All sewers and sewer structures must be inspected by the Department of Water Management (DWM)-Sewer Section prior to the final payment to the Contractor. In conjunction with these sewer inspections, the Contractor shall furnish a digital recording in CD or DVD format of a televised inspection of the interior of all proposed main sewers and existing sewers to which proposed connections have been made under this contract. The sewer shall be cleaned prior to the video inspection. The video inspection must be recorded under the supervision of the Commissioner. The cost of the video inspection and recording shall be considered included in the contract unit bid price for storm sewer items. The video inspection is considered a critical item and must be performed as soon as practical, but no later than two weeks after placement of subbase granular material or aggregate base course. The Contractor must submit at the preconstruction meeting the name, phone number, and contact person of the firm that will perform the video inspection.

The final acceptance of the sewer will be based on the video inspection. All deficiencies exposed during the video inspection must be corrected by the Contractor within 30 calendar days of notification, at no cost to the City. Pavement sections requiring removal must be full panel sections and pavement anchors will be required for pavement restoration. The Contractor shall furnish the recording of an additional video inspection of the sewer, at no cost to the City, to verify that the deficiencies found during previous inspections have been corrected to the satisfaction of the DWM -Sewer Section. Every effort must be made by the Contractor to correct all deficiencies prior to the placement of the final wearing surface.

If, in the opinion of the Commissioner, the Contractor has delayed in submitting the recording of the video inspection, the placement of the final wearing surface will be suspended. No time extension will be granted due to this suspension. The Commissioner will be sole judge as to any delays. The digital video recordings must include location maps, legends and descriptions.

Method of Measurement. This work will be measured for payment in place per each or per foot according to the unit of measure for the item installed.

Basis of Payment. This work will be paid for at the contract unit price per each or per foot of STORM SEWER or HOUSE DRAIN of the material, type, and size specified, which price must include pipe, fittings, polyethylene encasement, openings to existing manhole wall, connections to existing sewer, excavation, legal disposal of existing material and sewers, bedding, video inspection and recording and all other work required to complete the sewer installation as specified. Any dewatering, sheeting, shoring, pumping,

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fluming or temporary sewer installation required to do the work as specified will not be paid for separately but shall be considered included in the contract unit bid price for storm sewer items.

ITEM 34 - CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)
ITEM 35 - INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)

CDOT SP 602-1 CATCH BASINS, MANHOLE, TUMBLING BASINS, AND INLETS

Effective: July 15, 2009
Revised: August 10, 2023

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Sections 602 and 604 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC) and the current City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Construction, except as herein modified.

Materials. Materials shall be according to the following:

- (a) Coarse aggregate for bedding material shall meet a CA 11 gradation in accordance with Article 1004.05 of the SSRBC.
- (b) Fine aggregate for backfilling material shall meet a FA 6 gradation in accordance with Article 1003.04 of the SSRBC.
- (c) City of Chicago standard frame and lid shall be in accordance with the City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Construction.
- (d) New catch basins on residential streets must be equipped with 3" vortex restrictors. The cost of the restrictor shall be included in the cost of CATCH BASINS, of the type, diameter, frame, and lid specified.
- (e) All precast structures shall be from an IDOT approved precast source.

General Requirements. An ADA compliant open lid shall be placed on all catch basins and manholes located within the cross walk or as directed by the Commissioner.

Basis of Payment. This work will be paid for at the contract unit price per each for CATCH BASINS, MANHOLES, TUMBLING BASIN, and INLETS, of the type, diameter, frame, and lid specified.

ITEM 36 - VORTEX RESTRICTOR

CDOT SP 602-9 VORTEX OR ORIFICE RESTRICTOR

Effective: January 1, 2023
Revised: February 5, 2026

Description. Work under this item shall be performed in accordance with Section 602 of the IDOT Standard Specifications for Road and Bridge Construction and the City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Installation, except as herein modified. The work shall consist of the installation of vortex or orifice restrictors as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner.

Materials. Materials will be as specified in the City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Installation.

QC/QA Requirements. The Contractor shall provide a Manufacturer's written certification that the material complies with these specifications.

Method of Measurement. Vortex Restrictor or Orifice Restrictor will be measured for payment in place per each.

Basis of Payment. This work will be paid for at the contract unit price per each for VORTEX RESTRICTOR or ORIFICE RESTRICTOR.

ITEM 37 - SEWER CLEANING AND TELEVISIONING

CDOT SP 551-4 CLEANING AND TELEVISIONING EXISTING SEWERS

Effective: January 1, 2023

Revised: October 3, 2025

Description. Work under this item shall include the cleaning of existing sewers or manholes used for sewer access, satisfactory disposal of debris and waste material, and televising the condition of the existing sewers and manholes as detailed in the plans, standard drawings, or work order, except as herein modified, and/or as directed by the Commissioner. This work shall consist of a pre-construction cleaning and televising inspection, followed by a post-construction televising inspection to verify that the pre-construction condition of the cleaned sewers and manholes has been maintained and that their integrity has not been degraded or compromised by construction activities.

Equipment.

Cleaning Equipment

The type of equipment and the method used for cleaning sewers and manholes shall be based on the sewer and manhole condition at the time work commences and is subject to the approval of the Commissioner. The equipment selected for cleaning shall be capable of removing all dirt, grease, rock, roots, concrete, asphalt and any other solid and deleterious material from the sewers and manholes cleaned without causing damage. Deleterious materials include but are not limited to mineral deposits, concrete, sand, and rock. Tree roots shall be removed with a mechanical cutting device equal to the size of the pipe diameter or least dimension minus one inch, or alternate equipment as approved by the Commissioner.

Whenever a sewer or manhole designated for cleaning is found to be more than half full of debris, bucket machines, rodding machines, and/or vacuum machines will be used to remove the major portion of the material before hydraulic equipment is used for final cleaning. Other types of cleaning methods including hand cleaning may be utilized by the Contractor if they can produce the specified results and are approved by the Commissioner.

Water and facilities for obtaining water for sanitary purposes, drinking, cleaning and any other purposes will be provided by and be at the expense of the Contractor. The Contractor shall not use water hydrants without written permission from the Commissioner and obtaining and paying for all necessary permits and fees as required by the Chicago Department of Water Management.

Televising Equipment

The equipment selected for televising sewers shall be capable of adapting to reasonable levels of dirt, grease, rocks, bricks and other deleterious materials that may be encountered in sewers and manholes to be cleaned.

The televising shall be recorded in digital format and stored on a USB, portable storage device, or provided via an FTP linked file. All recordings are to be in high quality color.

Televising equipment shall include a color video camera, a color video monitor, cables, power source, lights and other equipment necessary to the televising operation. The camera, monitor and components of the video system shall be capable of producing a minimum of 350-lines of resolution color video picture.

The camera shall be specifically designed and constructed for sewer inspection. The camera shall have a high-resolution lens and be operational in 100 percent humidity. The camera shall be capable

of spanning 360-degrees on the vertical axis and 270-degrees on the horizontal axis, so all connections and defects can be properly inspected. Focal distance shall be adjustable through a range of 1-inch to infinity. The camera shall be capable of having mounting skids attached and suitably sized for each pipe diameter or size to be inspected. The camera shall be capable of movement through the sewer line in either direction at a uniform rate of speed not to exceed 30 feet per minute, stopping where necessary to ensure proper documentation of sewer lines, manholes, and lateral connections.

Lighting for the camera shall minimize reflective glare. The camera lighting quality shall be sufficient to provide a clear, continuously in-focus picture of the entire inside periphery of the sewer or lateral pipe for all conditions encountered during the work.

The remote reading footage counter shall be accurate to 0.20 feet over the length of the primary sewer section and 0.15 feet over the length of any lateral connection being inspected.

General Requirements. The Contractor shall take all necessary precautions to protect the sewers and manholes from damage whenever hydraulically propelled cleaning equipment, televising equipment, equipment that uses pressurized water, or any tools which retard or divert the flow of water in the sewers are used. This includes any damage or flooding to public or private property served by the sewer sections being cleaned and televised. A shield approved by the Commissioner shall be used to protect the arch of all manholes during televising or cleaning operations.

The Contractor will be responsible for all damage to public or private property resulting from televising and/or cleaning operations. The cost of restoring damaged sewers, manholes, public, or private property will be incidental to this item and at no additional expense to the City.

The Contractor is advised that existing flows may flood the work, particularly during heavy rainfall. The Contractor shall take all necessary measures to safeguard workers, protect the work from flooding, and ensure that flow within the existing sewer is maintained at all times.

Any new sewer connections made as part of this project requires the existing sewer main and existing manholes used for access to the main shall be cleaned and televised according to this special provision.

The Contractor will be paid for cleaning the existing sewer and manholes used for access once. If post construction televising determines additional cleaning is required, the Contractor shall re-clean the sewer and manholes at no additional expense to the City.

Televised sewer inspections shall be performed by a National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) certified operator and shall meet the coding and reporting standards and guidelines as set by PACP.

Submittals.

Proposed Preconstruction Cleaning and Televising Submittal. Prior to commencement of work, the Contractor shall submit a cleaning and televising plan to the Commissioner for approval. No work can begin prior to receiving Commissioner approval. The plan shall be submitted 14 days prior to the anticipated start date and include the following information.

1. Name of the NASSCO PACP certified operator and company name.
2. Index of coding, reporting standards, and guidelines meeting PACP requirements.
3. Limits of the cleaning and televising shown from manhole to manhole as required by the contract documents, or as directed by the Commissioner.
4. Cleaning equipment to be utilized including but not limited to the pressurized water cleaning system, self-propelled mechanisms, hand operated equipment and tools, and any other miscellaneous equipment available for use during the cleaning process.

5. Televising equipment to be utilized including but not limited to camera, method of conveyance, video and audio recording equipment, monitors, and any other miscellaneous equipment available for use during the televising process.
6. Include details on technical capabilities and specifications of the cleaning and televising equipment showing compliance with this special provision and NAASCO.
7. Televising storage medium type, labeling and data file naming methodology, and method of delivery for recorded information and written reports.

Preconstruction and Post Construction Televising Submittals.

1. Copies of the video recorded file are to be provided within 72 hours of televising completion. All video files shall be recorded in digital format.
2. The Contractor shall provide two USB, portable hard drive, or FTP linked file of each televised inspection along with written inspection reports using proper NASSCO PACP defect codes on a standard TV inspection form for documenting the condition of sewers within the area of construction, or as directed by the Commissioner. A copy of the standard TV inspection form and sewer condition codes can be located in the 2010 NASSCO PACP Reference Manual.
3. The voice recording on the video recorded file shall be brief but informative comments on the data of significance, including but not limited to the locations of unusual conditions, connections, collapsed sections, the presence of scales, root intrusions, corrosions and other discernible features.
4. Manholes are to be cross-referenced to house addresses. If house addresses are not available at the location to be televised and the Contractor cannot make an assumption of address based on the grid number of the block to be televised, then the Contractor shall use the property line as basis for identifying manholes.
5. If the camera is stopped for more than one minute, the Contractor is to address the reason for the delay on the video recorded file.
6. The camera shall progress at a uniform speed to prevent erratic or jerky movements impacting video quality.
7. The video shall include the following:
 - a. DATA VIEW:
 - i. Name of streets containing sewers televised.
 - ii. Report or videotape number.
 - iii. Date and time of the video inspection.
 - iv. Upstream and downstream manhole or station numbers.
 - v. Current distance along reach as measured from the center of the manhole base (tape counter footage).
 - vi. Weather conditions.
 - vii. Depth of debris/dirt and water in the manholes.
 - viii. Contractor's name.
 - b. Each USB or portable hard drive and file names; or FTP linked file shall be labeled and include the following information:
 - i. Project name and number
 - ii. Work Order Number, when applicable.
 - iii. Date of video recording

- iv. Upstream and downstream manhole locations for all sewer sections included.
 - v. Status of televising for all sewer sections.
 - vi. Locations of areas requiring repairs such as, but not limited to, collapsed sewers and manholes, and voids in the main sewer. In addition, these locations are to be reported to the Department of Water Management's 24-hour emergency telephone number (312) 747-7000.
8. The written report shall include the following:
- a. Same requirements as detailed in video DATA VIEW
 - b. Location of unusual conditions.
 - c. Location and clock position of sewer and lateral connections.
 - d. Location of structural defects.
 - e. Location of above ground catch basins.
 - f. Location of frames and lids that are damaged or missing.
 - g. Location of collapses or areas requiring repair work, such as, but not limited to collapsed sewers, manholes and catch basins.
 - h. Above ground voids in the pavement located in close proximity of the main sewer and/or catch basins.
 - i. Locations cross-reference to a house address.

Construction Requirements. Cleaning and televising shall be completed according to the approved plan and as detailed below. If there is a discrepancy between the approved plan and any details below, the approved plan will govern.

Cleaning Requirements

- 1. All excess material shall be disposed of in accordance with Article 202.03 of the IDOT Standard Specifications for Road and Bridge Construction.
- 2. Where necessary, a high-pressure water jet spray suitable without damaging the sewer shall be utilized downstream of the camera to remove dirt, grease or other material previously described. The spray shall be equally spread out within the sewer to define the contour shape of the sewer.
- 3. When roots are encountered, they shall be removed with a mechanical cutting device equal to the size of the pipe diameter or least dimension minus one inch, or alternate equipment as approved by the Commissioner.

Televising Requirements

- 1. All report annotations, pipe conditions and pipe defects shall be identified properly using NASSCO PACP codes as defined by PACP, and severity ratings shall be calculated according to PACP.
- 2. Video recording should clearly show the condition of the sewer, any defects, and the lateral connections. This includes the top and sides of sewer pipes, lateral connections, manholes, manhole risers, missing bricks, voids, dark areas, junctions, house connections, obstructions, or other conditions, which reveal the sewers architecture and physical condition. The camera must be held in the viewing position long enough for a proper evaluation to be performed. Panning and zoom rates must be controlled to provide clarity of the videotaped inspection during playback. Any out-of-focus recordings, recordings that exhibit poor visibility due to foggy atmospheric conditions, poor lighting or portions thereof, will be cause for rejection of the recording and will necessitate re-televising the impacted area at the Contractor's expense.

3. It will be the Contractor's responsibility to locate all live drain, dead drains, and lateral sewers connected to the section being televised.
4. Manual winches, power winches, camera cables, power rewinds or any other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions may be used to move the camera through the sewer line.
5. Whenever non-remote powered and controlled winches are used to pull the camera through the line, telephones, radios, or any suitable means of communications shall be set up between the manholes of the section being inspected to ensure that adequate communication exists between members of the crew.
6. The Contractor shall select an appropriate method based on the existing conditions. If the selected method of propelling the camera through the sewer is incapable of doing so, the Contractor will be obligated to try another method where appropriate, and as approved by the Commissioner.
7. If during the televising operations the camera will not pass through an entire sewer section, the Contractor shall reset his equipment in a manner such that the inspection can continue on the opposite side of the obstruction in the opposite direction, i.e. a reverse set-up. The movement will be in the direction such that the obstruction can be televised.
8. If existing conditions make it impossible to televise the sewer, the Contractor shall lamp the line (add additional light sources) as determined by the Commissioner.
9. Sewer televising shall be done one section at a time, each section isolated from the remainder of the sewer line as required. Sufficient water shall be supplied to cause drainage within the isolated section prior to televising.
10. If more than one section of the sewer is to be televised, televising of the sections of the sewer shall be done in consecutive order (i.e., one section followed by the next section). Jumping from one section to another unrelated section, or to a sewer section in another street location will not be accepted. If televising of the sections of the sewer cannot be done consecutively, the operator shall address the reason on the video recording.
11. If more than one street location is to be televised, televising and video recording shall be accomplished on a per street basis.
12. Should the camera go under water, the Contractor will adjust the camera height and re-televise the affected portion of the sewer.
13. The importance of accurate distance measurement is emphasized. The Contractor will be liable for any unnecessary main sewer repair expenses that are determined to be the direct result of the Contractor's measurement error. Measurement for location of defects shall be above ground by means of a meter device. Markings on the cable, or similar, which would require interpolation for depth of manhole will not be accepted.
14. The accuracy of measurement meters will be checked daily with the use of a walking meter, rolatape, or other suitable device. Footage measurement shall begin at the centerline of the upstream manhole, unless permission is given by the Commissioner to do otherwise. Footage shall be shown on the video data view at all times.

The City retains the right to determine the acceptance or rejection of all work according to the terms of the Contract. In the event of rejection of completed work, corrective action shall be initiated within 72 hours of notice of rejection.

Method of Measurement. The actual length of sewer cleaned and televised from center to center of manholes will be measured for payment per foot for each size specified. Individual runs can be made over one or more manhole sections as determined in the field by the Contractor and approved by the Commissioner. No separate payments will be made for the following:

1. Poor or unacceptable quality videos. Hazy, unclear video, or video with erratic or jerky movements will not qualify for payment.
2. Re-videoing or cleaning any segment without prior approval of the Commissioner.
3. Portions of sewer not televised or cleaned. No payment will be made for segments through which the camera could not pass.
4. Reverse setup required to bracket an obstruction.
5. Locating the alignment of a sewer line.
6. Sewer flow control.
7. Post construction televising, and any additional cleaning required due to construction activities or contractor neglect as determined by the Commissioner.

Basis of Payment. This work will be paid for at the contract unit price per foot for SEWER CLEANING AND TELEVISIONING, of the size specified. Payment will only be made once post construction televising has been reviewed and accepted by the Commissioner.

ITEM 39 - DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED

*** STRUCTURES TO BE ADJUSTED**

Effective: October 12, 2022

Revised: April 24, 2024

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 602 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified. This work shall consist of the adjustment of existing catch basins, manholes, inlets, valve vaults, water meter vaults, water valve vaults, water valve basins, and handhole.

Included in this work will be all those existing catch basins, manholes, inlets, valve vaults, water valve vaults, water meter vaults, water valve basins and handholes or other structures which are to be adjusted where two feet or less of masonry will be either added, removed or rebuilt to bring the specified casting to the finished grade of the proposed improvement.

Materials. High Early Strength (HES) concrete shall conform to the requirements of a class SI concrete, except that the use of Type III cement shall not be permitted, and an IDOT/CDOT approved PP-1 patching or high early SI mixture shall be used, final acceptance for use is at the discretion of the Commissioner. The class SI minimum strength requirement of 3,500 psi shall be achieved within 3 days.

The use of HDPE plastic adjusting rings (Article 602.02 Note 1) is not allowed.

The use of Recycled Rubber Adjusting rings (Article 602.02 (m)) is not allowed.

With approval of the Commissioner the Contractor may use pre-cast adjusting rings. Adjustment bricks, rings and castings are to be set in a full Type M mortar bed. Shimming of the frame with wood and stones will not be allowed. Use of partial bricks will not be allowed. Bricks must be laid in full header courses only.

Bricks shall meet the requirements of Sections 1041 and 1042 of the SSRBC. If in any load of brick more than ten percent do not meet the satisfaction of the Commissioner, the whole load will be rejected. If less than ten percent do not meet the satisfaction of the Commissioner, the brick may be accepted, provided the Contractor will, at his expense, cut out all inferior bricks, and remove them from the site of the work at once.

General Requirements. The existing pavement shall be saw-cut full depth prior to removal and adjustment, see Standard Details. Saw-cutting will not be paid for separately but considered incidental to these items.

Existing frames and lids that are obsolete or damaged must be replaced when ordered by the Commissioner in writing, except that existing frames and lids damaged by the Contractor's operations during construction must be replaced by the Contractor at no additional cost to the City.

Removal and patching of pavement around a structure will be considered as incidental to the adjustment or reconstruction of that structure, and no additional payment will be made.

Prior to patching around the structure, the Contractor shall install expansion tie anchors, see Standard Details. Expansion tie anchors will not be paid for separately but considered incidental to these items.

Pavement patching with hot-mix asphalt will not be allowed. Patching around the structure must be in accordance with the applicable portions of Section 442 of the SSRBC.

Under no circumstance will an adjustment not be completed in the same day as it is started. Under no circumstance will any debris be left in the street overnight. Occurrence under these circumstances will be considered a traffic control deficiency and the Contractor shall be charged in accordance with the item TRAFFIC CONTROL COMPLETE.

The Contractor shall coordinate their schedule with other utility companies. The Contractor shall stage adjustment work to prevent traffic congestion, lane closures and lane confusion due to barricades placed in closed proximity of each structure.

The Contractor shall maintain one lane of traffic in each direction at all times. The Contractor shall provide two (2) flaggers per Article 701.13 of the SSRBC to maintain traffic control when structure adjustment is performed on roadways open to traffic. The Contractor shall adhere to rush hour traffic restrictions.

Prior to starting construction, an inspection of all the existing structures, shall be made by the Commissioner and the Contractor to determine the amount of existing debris in these structures.

Failure to comply with these requirements will be considered a traffic control deficiency and the contractor shall be charged in accordance with the item TRAFFIC CONTROL COMPLETE.

Method of Measurement. This work will be measured on a per each basis which will include up to the first two (2) feet of required masonry work.

Basis of Payment. This work will be paid for at the contract unit price per each for DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED.

ITEM 40 - DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED

*** DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED**

Effective: January 1, 2023

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 602 of the IDOT Standard Specifications for Road and Bridge Construction and the Department of Water Management (DOWM) Standard Specifications for Water and Sewer Main Construction, except as herein modified.

General Requirements. This work shall consist of reconstructing the cone and riser sections of existing manholes and catch basins under any of the following conditions:
When adjustment of the frame and lid to the proposed finished grade requires more than one foot of existing and proposed masonry and /or precast adjustment rings between the top of the cone section and the bottom of the frame.
When adjustment of the frame and lid to the proposed finished grade requires removal of any portion of the cone section.
When the Commissioner determines that the condition of the existing manhole or valve basin warrants reconstruction.

Materials. Adjustment rings according to Article 602.02(l) High Density Polyethylene (HDPE) Plastic Adjusting Rings and Article 602.02(m) Recycled Rubber Adjusting Rings will not be allowed.

All precast items shall be from an IDOT approved precast source.

When mortar is utilized for reconstructions Type M mortar shall be used.

Construction Requirements. The Contractor must remove the existing cone and riser sections to a structurally sound horizontal course or to an elevation which allows for construction of cone and riser sections that meet DOWM standards for diameter and height, whichever is lower. Flat slab tops will not be allowed.

Precast reinforced concrete sections may be used to reconstruct existing brick masonry manholes and catch basins.

Ladder rungs shall be installed according to DOWM standards for type and spacing.

Basis of Payment. This work will be paid for at the contract unit price per each for DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED.

Frames and lids, when required, will be paid for at the contract unit price for FRAMES, SPECIAL and LIDS (SPECIAL).

ITEM 41 - FRAMES, SPECIAL

Description. Work under this item shall be performed according to Section 604 of the IDOT Standard Specifications for Road and Bridge Construction except as herein modified.

General Requirements. The contractor must deliver all old frames to the City at a facility designated by the Commissioner. A signed and dated for the delivery of the old frame must be given to the Commissioner. The frame to be provided will be in accordance with the City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Construction and/or the detail provided, and installed in accordance with the manufacturer's recommendation.

Method of Measurement. FRAMES, SPECIAL will be measured for payment in place per each.

Basis of Payment. This work will be paid for at the contract unit price per each for FRAMES, SPECIAL.

ITEM 42 - LIDS, SPECIAL

Description. Work under this item shall be performed according to Section 604 of the IDOT Standard Specifications for Road and Bridge Construction except as herein modified.

General Requirements. The contractor must deliver all old lids to the City at a facility designated by the Commissioner. A signed and dated receipt for the delivery of the old frame must be given to the Commissioner.

Unless otherwise shown on the plans and/or work order or ordered by the Commissioner, ADA compliant open lids shall be placed on all catch basins.

Method of Measurement. LIDS, SPECIAL will be measured for payment in place per each.

Basis of Payment. This work will be paid for at the contract unit price per each for LIDS, SPECIAL.

ITEM 43 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< OR = 300 FT)

ITEM 44 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT)

CDOT SP 606-3 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (≤ 300 FT) & (>300 FT)

Effective: December 1, 2008

Revised: October 6, 2025

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 606 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC) and to the City of Chicago Department of Transportation Rules and Regulations for Construction in the Public Way, except as herein modified.

General Requirements. Combination concrete curb and gutter adjacent to a fire hydrant is to be painted according to the special provision CURB PAINTING. All installations shall be painted 15 feet on each side of the fire hydrant except where the 15-foot dimension intersects a crosswalk, driveway or similar feature. Paint does not require glass beads and should be painted to have neat straight lines along the top edge and vertically up the face of the combination concrete curb and gutter.

Method of Measurement. COMBINATION CONCRETE AND GUTTER, TYPE B-V.12 will be measured for payment per foot.

Painting adjacent to fire hydrants will be measured for payment according to the special provision CURB PAINTING.

Basis of Payment. This work will be paid for based on the following:

Work Orders with an estimated total combination concrete curb and gutter, Type B-V.12 length less than or equal to 300 FT will be paid for at the contract unit price per foot for COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (< or = 300 FT).

Work Orders with an estimated total combination concrete curb and gutter, Type B-V.12 length greater than 300 FT will be paid for at the contract unit price per foot for COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12, (> 300 FT).

The line item will be determined based upon the Engineer's estimated quantity for the Work Order. The quantity of high early strength Combination Curb and Gutter, Type B-V.12 will be measured separately and not included in this determination. The line item will not be adjusted even though the final Work Order quantity may increase or decrease based on the actual quantities of work performed.

Painting adjacent to fire hydrants will be paid for according to the special provision CURB PAINTING.

ITEM 45 – HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12

CDOT SP 606-4 HIGH EARLY STRENGTH COMBINATION CONCRETE CURB AND GUTTER

Effective: November 9, 2022

Revised: October 6, 2025

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 606 of the IDOT Standard Specifications for Road and Bridge Construction and to the City of Chicago Department of Transportation Rules and Regulations for Construction in the Public Way, except as herein modified.

Materials. High Early Strength (HES) concrete shall conform to the requirements of a class SI concrete, except that the use of Type III cement shall not be permitted, and an IDOT/CDOT approved PP-1 patching or high early SI mixture shall be used, final acceptance for use is at the discretion of the Commissioner. The class SI minimum strength requirement of 3,500 psi shall be achieved within 3 days.

General Requirements. Combination concrete curb and gutter adjacent to a fire hydrant is to be painted according to the special provision CURB PAINTING. All installations shall be painted 15 feet on each side of the fire hydrant except where the 15-foot dimension intersects a crosswalk, driveway or similar feature. Paint does not require glass beads and should be painted to have neat straight lines along the top edge and vertically up the face of the combination concrete curb and gutter.

Method of Measurement. This work will be measured for payment in feet according to Article 606.14.

Painting adjacent to fire hydrants will be measured for payment according to the special provision CURB PAINTING.

Basis of Payment. This work will be paid for at the contract unit price per foot for HIGH-EARLY-STRENGTH COMBINATION CONCRETE CURB AND GUTTER, of the type specified.

Painting adjacent to fire hydrants will be paid for according to the special provision CURB PAINTING.

ITEM 46 - TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR)

*** TRAFFIC CONTROL & PROTECTION (VEHICULAR/NON-VEHICULAR)**

Effective: December 14, 2022

Revised: April 16, 2025

Description. This item consists of the following items and includes a charge for failure to provide this Work.

- A. Traffic Control and Protection:** Work includes furnishing, installing, maintaining, relocating and removing signs, signals, markings, traffic cones, drums, barricades, temporary barriers, warning lights, flaggers and other devices for regulating, warning or guiding traffic during construction and special events for motorized traffic, non-motorized traffic, and pedestrians. Work also includes the establishment and maintenance of temporary detours and alternate routes detailed in the plans.
- B. Maintenance of Access to Abutting Property:** Work consists of providing, maintaining, removing and disposing of temporary access from the street being improved to abutting property. Use pedestrian bridges, temporary walkways, steel plates, crushed stone, or other items as directed by the Commissioner.

A. TRAFFIC CONTROL AND PROTECTION

General Requirements. Perform work in accordance with Section 701 and Articles 107.09 and 107.14 of the Standard Specifications and applicable sections of the Supplemental Specifications and Recurring Special Provisions, guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, Interim Special Provisions and any Special Details and Highway Standards contained herein and in the plans. Placement and maintenance of all traffic control devices shall be as directed by the Commissioner. The Commissioner shall be the sole judge as to the acceptability of placement and maintenance of the traffic control devices prescribed in the appropriate standards.

Care shall be taken to adhere to the provisions of the City of Chicago Municipal Code Section 13-32-125 Construction Site Cleanliness. Should the contractor fail to comply, they may be cited for violation of the ordinance. Erection of a chain link fence and permeable mesh fabric as specified by the ordinance will be paid for under TEMPORARY FENCE. This fence will be relocated as necessary to protect the current work zone. Relocation of the temporary chain link fence to work areas shall be paid for under TEMPORARY FENCE.

This item of work shall include furnishing, installation, maintenance, relocation and subsequent removal of all signs, signals, markings, traffic cones, barricades warning lights, flaggers, variable message sign, and other devices which are to be used for the purpose of regulating, warning or guiding traffic and maintaining pedestrian access during the construction of this improvement.

A reduction of the traffic control shown in the contract will not be allowed.

The Contractor must install changeable message signs one week prior to any major change in traffic patterns and/or detours. These signs will be paid for under CHANGEABLE MESSAGE SIGN.

Temporary information signing necessary for detours, alternate routes or maintaining access and community relations as indicated in the plans and herein will not be measured separately for payment but is considered incidental to the contract.

Special attention must be given to advance guide signs during these operations in order to keep barricade placement consistent with lane assignment. The Contractor must cover all traffic control

devices which may be inconsistent with traffic patterns during the transfer from one construction stage to another.

At the completion of each stage of construction or whenever operations indicate that a relocation of a proposed or existing traffic control device is advisable as determined by the Commissioner, the Contractor must remove all traffic control devices which were furnished, installed, and maintained by him/her under this contract, and such devices shall remain the property of the Contractor. Any traffic control devices furnished, installed, and maintained by the City will be removed by City forces and will remain the property of the City. All traffic control devices must remain in place until specific authorization for relocation or removal is received from the Commissioner.

Placement of short term, temporary and permanent pavement markings will be paid for separately under appropriate contract line items, unless otherwise noted as incidental on the plans.

The Commissioner will provide to the Contractor "NO PARKING AT ANY TIME - TOW ZONE" signs to be banded to light poles or existing sign posts within the work zone as illustrated on the Maintenance of Traffic plans and as designated by the Commissioner when construction is in progress.

Personal vehicles will not be permitted to park within the right of way except in specific areas designated by the Commissioner.

The Contractor must immediately furnish a certified flagger or flaggers if, in the opinion of the Commissioner, the Contractor's construction means or methods warrant. No additional compensation shall be made for flaggers. If no flaggers are available, the Contractor must cease operations until they become available.

The Contractor must be aware of the requirements for coordination of all work in this project and adjoining or overlapping projects and for coordination of barricade placement necessary to provide a uniform traffic detour pattern. The Contractor will not be permitted to erect, change or remove his/her detour barricade system without the prior approval of the Commissioner.

TRAFFIC CONTROL DEFICIENCIES.

The following tasks are incidental to this item. **Failure to complete any of the following in a timely manner will result in the CHARGE FOR TRAFFIC CONTROL DEFICIENCIES being assessed daily until adequate traffic control is provided or the task is completed satisfactorily in the opinion of the Commissioner.**

1. Pavement Removal/ Replacement: Traffic control and protection required to safely route traffic around the removed pavement until the replacement pavement has cured and is ready to be opened to traffic. This traffic control and protection must include the use of arrow boards when required. The Commissioner will be the sole judge of the need for arrow boards. Contractor must have base course paved and cured within 60 calendar day from the start of pavement removal.
2. Paving Operations: At all times when paving operations are in progress to place surface, binder and/or leveling binder on roadways open to traffic, the contractor must provide a minimum of two certified flaggers. Flaggers must be assigned exclusively to flagging duties. Additional traffic control may also be required, including but not limited to arrow boards and cones.
3. Sidewalk at Corners: At intersections, pedestrian access to all corners must be maintained at all times. If pedestrians must be directed onto the roadway and away from sidewalk and curb ramps to complete the work, temporary ramps must be installed and a well-defined walkway a minimum of 3' wide and shielded from traffic with temporary concrete barrier must be provided.
4. Driveway Access: The sole access to properties must never be closed completely. Access must be maintained at all times.

Maintenance of Roadways. Beginning on the date when the Contractor begins work on this project he/she shall assume responsibility for the normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Commissioner but shall not include snow removal operations.

The work involved in maintaining the existing pavement as above specified will be paid for as extra work, in accordance with Article 109.04 of the Standard Specifications. Traffic control and protection required for this work shall be considered included in the lump sum price for TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR).

Project Signs: The Contractor is required to furnish, erect, and maintain signs identifying the project subject to the requirements contained in Book 1 and or "Proposed Signage Plans" drawings.

Arrow Boards: A flashing arrow board meeting the requirements of Article 1106.02(H) of the Standard Specifications shall be operating at all times when a lane is closed to traffic on a multi-lane highway. Arrow boards shall be provided and located in a head-on position within each lane closure taper. The cost of furnishing and maintaining arrow boards will be considered incidental to the Contract Lump Sum Price for TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR).

Delays to the Contractor caused by complying with these requirements will be considered incidental to the item for Traffic Control and Protection, and no additional compensation will be allowed.

Pedestrian Access: The Contractor must maintain pedestrian access to adjacent properties by installing ADA compliant wood frame-constructed walkways and ramps from the curb line to adjacent property entrances, and at either end of the pedestrian path as directed by the Commissioner. These ramps can be reused, if maintained in acceptable condition, throughout the project. Pedestrian access to adjacent properties must be uninterrupted until the walk is fully restored.

The Contractor must maintain disabled person pedestrian access to crosswalks across the main arterial street and side streets at all times via ADA compliant wood frame-constructed walkways and ramps through the work zones. These accesses must be observed and protected by the Contractor at all times, as shown on the M.O.T. plans.

Installation, maintenance and removal of necessary signs and barricades needed to direct pedestrians to usable sidewalks and walkways during the construction is incidental to this item. Contractor may provide temporary access with clean crushed stone as described in Maintenance of Access to Abutting Property in conjunction with wood ramps compliant with the ADA to provide walkways and access to abutting properties. TEMPORARY CHAIN LINK FENCE may be used to also delineate the pedestrian path in addition to being the perimeter of the construction work site, however, care must be taken to not obstruct the proposed path with fence footings. TEMPORARY WATER FILLED BARRIER used to shield temporary pedestrian pathways from traffic, construction activities, and temporary drop-offs as indicated on the plans and where directed by the Commissioner shall follow Section 708 and be paid for separately.

NOTES:

1. Pedestrian access paths will be maintained on both sides of the street and from all corners at all times. Full closures of sidewalk must be approved by Commissioner. At minimum, where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.
 - a. Illinois Standard sign R11-1102 Sign legend "Sidewalk Closed (Arrow) Use Other Side": Size 24" x 30"; black legend on a white reflectorized background) must be placed at

pedestrian crossing locations informing pedestrians of closed sidewalk sections where necessitated. Barricades shall be placed on all closed sidewalk sections.

- b. At each point of closure, sufficient numbers of barricades shall be used to completely close the pathway. Use one "Sidewalk Closed" sign at each end of a sidewalk section being reconstructed.
 - c. Barricades shall be Type I or II.
2. Pedestrian walkways shall be maintained free of any obstructions and hazards such as holes, debris, mud, construction equipment, stored materials, etc.
 3. All hazards near or adjacent to walkways shall be clearly delineated.
 4. Care shall be taken to comply with the ADA Accessibility Guidelines while providing temporary pedestrian access, including: a) at minimum a 4' wide unobstructed path and a 5' wide x 5' long area at minimum every 200', b) maintain curb ramp access to open sidewalks and c) open excavations adjacent to pedestrian access paths must be protected by barricades or fence and delineated by a continuous bottom edge at least 6" high from walkway and a continuous rail or surface (fence) at 3' above the walkway.
 5. In accordance with the ADA guidelines, a 4' wide unobstructed sidewalk shall be maintained adjacent to the property line. Should this sidewalk be removed, replacement must be completed within 72 hours, unless otherwise directed by the Commissioner.

Submittals.

1. Name of the individual in his/her direct employ who is to be responsible for the installation and maintenance of the traffic control and any temporary chain link fence for this project (see Article 701.04)
2. The Contractor must notify the O.E.M.C. – Permit Section at 744-0330, 121 N. La Salle St., Room 905, Chicago, IL and apply for the required permits at least seven (7) days before commencing construction or changing traffic flow unless otherwise approved by the Commissioner.
3. Contractor must submit a traffic control plan at the beginning of the project identifying proposed pedestrian access path, access to adjacent business and residential entrances, and delineating proposed signage to clearly define pedestrian walkways during each construction phase. The Plan should identify placement of TEMPORARY CHAIN LINK FENCE and TEMPORARY WATER FILLED BARRIER.
4. Traffic control plans must be approved by the Commissioner prior to start of work.

A. MAINTENANCE OF ACCESS TO ABUTTING PROPERTY

General Requirements. The Contractor must at all times conduct the work in such a manner as to insure the least obstruction to vehicular and pedestrian traffic. The convenience of the general public and of residents along the involved streets shall be provided for in an adequate and satisfactory manner as directed by the Commissioner.

Where possible, the Contractor must provide the temporary access from the street under improvement to abutting side streets, alleys, driveways, parking lots, buildings, houses, crosswalks, CTA bus stops disturbed by the construction, including access from sidewalks to the bus stops, and to any other property where egress and ingress is required. Also, to fill sewer trenches from the sub-base elevation to existing surface elevation. AGGREGATE FOR TEMPORARY ACCESS shall follow and be paid for separately per Section 402.

The Contractor must provide and install steel plates to cover open trenches until pavement or sidewalk is placed.

When permanent access has been re-established, the materials used for temporary access shall be removed by the Contractor and shall become his/her property for disposal thereof. However, he/she may use the same material in other locations to provide temporary access if approved by and as directed by the Commissioner.

The contractor shall provide at least 2 weatherproof (vinyl or similar material) banners displaying the message, "BUSINESSES OPEN" or similar. These banners will be securely affixed to the TEMPORARY CHAIN LINK FENCE as directed by the Commissioner to indicate and pedestrians that the local business establishments are open for business during construction. The banners may be perforated to allow wind to pass through. These banners will be relocated as necessary with the TEMPORARY CHAIN LINK FENCE.

Ground mounted signs may be substituted or a different message, banner type, or mounting type may be used with the Commissioner's approval.

Banner and legend size and color will be determined by the contractor and approved by the Commissioner and should meet a minimum requirement of 6" letter height.

Materials. Materials under this item shall conform to Section 701 of the IDOT SSRBC.

Equipment. Equipment shall be according to Section 701 of the IDOT SSRBC

Method of Measurement. TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR), which consists of the items of Traffic Control and Protection and Maintenance of Access to Abutting Property as described, will be measured for payment per Section 701 of the IDOT SSRBC.

Basis of Payment. This work will be paid at the contract lump sum price for TRAFFIC CONTROL & PROTECTION (VEHICULAR & NON-VEHICULAR), which price shall be payment in full for all labor, materials, equipment, transportation, handling and incidentals necessary to furnish, install, maintain, removing, and disposing of all traffic control devices, materials for temporary access, and materials for security and weather protection required by the appropriate standards and as approved by the Commissioner, will be measured for payment on a per intersection per day formula.

No adjustment or additional compensation will be allowed except as specified herein. The salvage value of the materials removed shall be reflected in the bid price for this item.

TEMPORARY FENCE, TEMPORARY CHAIN LINK FENCE, TEMPORARY WATER FILLED BARRIER, CHANGEABLE MESSAGE SIGNS, TEMPORARY PAVEMENT MARKINGS and AGGREGATE FOR TEMPORARY ACCESS will be included in the cost of this item.

CHARGE FOR TRAFFIC CONTROL DEFICIENCY.

To ensure a prompt response to incidents involving the integrity of the work zone traffic control devices, the Contractor must provide a telephone number where a responsible individual can be contacted on a 24-hour-a-day basis.

When the Commissioner is notified or determines a deficiency exists, in Traffic Control, Maintenance of Access to Abutting Property, Security and Weather protection, or pedestrian access/safety, (s)he will be the sole judge as to whether the deficiency is an immediate safety hazard. The Contractor must dispatch sufficient resources within 2 hours of notification to make needed corrections of deficiencies that constitute an immediate safety hazard. Other deficiencies shall be corrected within 12 hours. If the Contractor fails to restore the required traffic control and protection within the time limits specified above, the Commissioner will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. This time period will begin with the time of notification to the Contractor and end with the Commissioner's

acceptance of the corrections. For this project, the daily deduction will be \$* per deficiency/occurrence. For those deficiencies where corrective action was not an option, this monetary deduction will be immediate.

In addition, if the Contractor fails to respond, the Commissioner may correct the deficiencies and the cost thereof will be deducted from monies due or which may become due the Contractor. This corrective action will in no way relieve the Contractor of his/her contractual requirements or responsibilities. In addition, any work performed by the Contractor within the work zone that presents a hazard to vehicular or pedestrian traffic shall be subject to charges for TRAFFIC CONTROL DEFICIENCY. Debris removal, fly dumping, proper access to abutting property, timely and correct placement of short term, temporary and permanent pavement markings, along with all items of work contained within this item are also subject to this charge.

***CHARGE PER CALANDAR DAY = \$1,000**

ITEM 47 - SIGN PANEL, TYPE 1, RETROREFLECTIVE
ITEM 48 - SIGN PANEL, TYPE 1, NON-REFLECTIVE
ITEM 49 - SIGN PANEL, TYPE 2, RETROREFLECTIVE

CDOT SP 720-8 SIGN PANEL

Effective: February 01, 2023

Revised: November 1, 2023

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 720 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC) and the current City of Chicago Department of Transportation Manual for Sign Installation, except as herein modified.

This work shall consist of furnishing and installing sign panels of the type specified on existing or proposed sign support poles, sign structure, column or pier.

Materials. Materials under this item shall conform to Section 720 of the IDOT SSRBC.

Equipment. Equipment shall be according to Section 720 of the IDOT SSRBC.

General Requirements. Signs must be fabricated and installed in accordance with the latest version of the Manual for Sign Installation issued by the Chicago Department of Transportation.

Reflective sign sheeting must conform to Type A material requirements as specified in Section 1091, if not specified otherwise in the Manual for Sign Installation.

All signs must have "CITY OF CHICAGO XX" logo screened at the bottom center or top right corner of the sign where XX represents the last two digits of the year of sign fabrication.

Sign face must have legend application in accordance with Section 1091 as recommended by the manufacturer, if not specified otherwise in the Manual for Sign Installation.

Method of Measurement. Sign panels will be measured for payment in square feet according to Article 720.03 of the IDOT SSRBC. Double sided panels will have twice the area.

Basis of Payment. This work will be paid for per Section 720 of the IDOT SSRBC as SIGN PANEL, of the type and reflectivity specified which includes all labor, material, equipment, and hardware required for installation.

ITEM 50 - SIGN POST, EXTEND

ITEM 51 - SIGN SUPPORT POST, DIG METHOD

ITEM 52 - SIGN SUPPORT POST, DRILL METHOD

*** SIGN SUPPORT POSTS**

Effective: February 3, 2023

Revised: August 20, 2024

Description. This work shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 729 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified. Work under the item shall consist of furnishing sign poles of various lengths or extending sign poles and installation either by dig or drill method. The "CDOT Field Manual for Sign Installation" should be adhered to and is available for review at 2 N. LaSalle St., Suite 820, Chicago, IL. The poles installed using dig method shall be 11'-6" in length while poles using drill method shall be 10'-6" in length. The cost of wedges, sleeves, pole bases and all other required hardware to install will be included in the cost of these items.

Materials. The material for the poles furnished shall be in accordance with Article 1006.29 of the SSRBC. The material shall be hollow steel tubes, 2-3/8 inches outside diameter, conforming to ASTM A500 Grade B and coated for resistance to corrosion and outdoor weathering. Nominal wall thickness of the pole shall be 0.08". The sign pole must be formed to the size and type required per the "CDOT Field Manual for Sign Installation" and/or the contract drawings. Holes shall be drilled prior to coating to prevent indentations and dimples in the poles.

Finish. The poles shall be galvanized, straight and have a smooth, black, uniform powder coating finish as specified below. The interior of the sign poles shall be coated with a minimum of an 81% zinc-rich primer. The exterior of the poles shall be galvanized with material conforming to AASHTO M120 with a minimum weight of 1.00 ounce per square foot. The weight of the exterior galvanizing may be reduced to 0.65 ounces per square foot of high grade material conforming to AASHTO M120 if applied with a chromate conversion coating and a clear high performance organic polymer coating. Powder coating of the poles and extensions shall meet the following requirements:

Color:	Black
Resin type:	TGIC Polyester
Gloss:	Medium

Pretreatment Process.

Cleaning:	All parts shall be cleaned, utilizing spray washers and alkaline cleaner to remove any remaining grease, dirt, or other contaminants.
Rinsing:	All parts shall be spray rinsed in a continuously overflowing rinse stage to remove any remaining cleaning solution.
Phosphating:	All parts shall be spray phosphated with a heated phosphate solution to provide a transition coating between metal and powder.
Rinse:	All parts shall be spray rinsed in a continuously overflowing rinse stage to remove any remaining phosphate / sealant solution.

Powder Coating Process.

Drying:	All parts shall be preheated to totally eliminate moisture and prevent off gassing of casting.

Powder Coating: A premium TGIC polyester powder shall be electrostatically applied to provide a uniform coating to a thickness of 1-3 mils (1 mil minimum). To achieve proper mil thickness, the powder shall be applied with one application. The manufacturer shall be responsible for ensuring proper adhesion to the metal surface.

Curing: All parts shall be heated to the exact time and temperature requirements, recommended by the powder coat material manufacturer, in precisely controlled gas ovens.

Sleeve and Locking Wedge. Pole sleeve (pipe socket): Material must be hollow steel tubes conforming to ASTM A500 Grade B or ASTM A501, and galvanized according to AASHTO M111, nominal wall thickness of 0.109", 2-5/8" inside diameter that allows for a minimum of 13-1/4" of sign pole to nest inside the sleeve. The overall length must be 27". A drawing detail as shown in the "CDOT Manual for Sign Installation" shall govern.

Locking wedge. Material shall be 11 GA. Steel tube conforming to ASTM A500 Grade B or ASTM A501 and galvanized according to AASHTO M111. The locking wedge shall be contoured to fit between the steel pole and the 27-inch sleeve. A drawing detail as shown in the "CDOT Field Manual for Sign Installation" shall govern.

Sign Pole Base. The sign pole base furnished under this contract includes a carriage bolt, tamper-resistant nuts and anchor bolts with nuts. The finished casting shall be free from burrs, cracks, voids, or other defects.

Support base. Twelve-inch diameter, aluminum-zinc alloy casting per ASTM A197. The casting shall have the words "City of Chicago" cast in relief as shown in the "CDOT Field Manual for Sign Installation".

Bolt washers and nut. Stainless steel as specified in Article 1006.31a of the SSRBC. Include a 1/2" x 4-1/2" carriage bolt with two 1" flat washers and a 1/2" x 13" full height hex nylon locknut.

Anchor Bolt. Galvanized steel expansion anchors conforming to Article 1006.09 of the SSRBC. Furnish three (3) per each sign base provided.

Finish. Powder coat to minimum 1 mil thickness with satin black polyester finish.

Submittals.

Shop Drawings. Fabrication shop drawings showing the full size layout, color, and proposed materials for poles, bases, and hardware shall be submitted for approval prior to start of fabrication.

Poles. Mill certification, samples of each size of finished pole and extension. Locking wedge and sleeve: Samples of each item.

Cast Aluminum Base. Mill Certifications.

Powder Coating. Test Data; Sample; Manufacturer's Certification that material complies with the required specifications.

Galvanizing. Requires Manufacturer's Certification for compliance with these specifications.

Stainless Steel Bolts and Nuts, Anchor Bolts. Sample, product data sheet.

Construction Requirements. All installations shall be in accordance with Section 729 of the SSRBC and as per latest edition of the "CDOT Field Manual for Sign Installation".

Dig Method. To install a sign pole by dig method, the Contractor will first drive a base sleeve to a level with the top of the sleeve near flush to the ground. The sign pole will then be inserted into the sleeve and raised to a level with the bottom of the pole 10"-12" below the ground. The sign pole will then be locked in place by driving a locking wedge between the sign pole and the base sleeve.

Note: Pipe sleeve and wedge shall not be bolted together. The holes at the top of the sign pole will be properly aligned such that the sign to be installed will properly face the flow of traffic.

Drill Method. The base shall be secured to the concrete surface by steel expansion anchors and shall be leveled by using stainless steel washers as shims at the anchor bolt locations and under the base castings. The sign pole shall be installed into the cast iron base and locked in place with a carriage bolt with two flat washers and a nylon lock nut as shown in the "CDOT Field Manual for Sign Installation". The holes at the top of the sign pole shall be aligned such that the sign to be installed shall properly face the flow of traffic.

Sign poles shall be installed 18" from back of curb unless otherwise specified. Poles for transportation stops, e.g., bus, taxi, tour bus, or tour boat stops, shall be installed 24" from the back of the curb unless otherwise noted.

QC/QA Requirements. The contractor shall provide Manufacturer's certifications that the materials comply with these specifications.

Warranty. Manufacturer's warranty shall be 5 (five) years from the date of installation and acceptance.

Method of Measurement. This work will be measured for payment per each pole installed.

Basis of Payment. This work will be paid for at the contract unit price per each for SIGN SUPPORT POST DIG METHOD and SIGN SUPPORT POST, DRILL METHOD or SIGN POST, EXTEND which price must be payment in full for furnishing all poles or extensions, sleeves, locking wedges, bases and all other hardware required to complete the installation as specified herein.

ITEM 53 - REMOVE AND SALVAGE SIGN PANEL

ITEM 54 - REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY

CDOT SP 724-1 REMOVE AND SALVAGE SIGN PANEL AND SIGN PANEL POST ASSEMBLY

Effective: February 13, 2023

Revised: November 18, 2024

Description. Work under these items shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 724 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), and the latest version of the City of Chicago Department of Transportation's Field Manual for Sign Installation, except as herein modified.

Work under these items consists of removing existing Sign Panels from light poles and traffic signal posts, and removal of existing Sign Panel and Post Assemblies which consist of posts in ground, base mounted poles, embedded posts in concrete, the mounted sign panels, sleeves, wedges, bases and other associated hardware, grouting or filling resulting holes.

General Requirements. The contractor will deliver all salvaged Sign Panels and Sign Panel and Post Assemblies to the Bureau of Signs and Markings, 3458 South Lawndale Avenue, Chicago, Illinois 60623. The Contractor must contact the Bureau (312-747- 2210) at least 24 hours in advance to arrange delivery of salvaged Sign Panels, Sign Panel and Post Assemblies. The Contractor will obtain a receipt for all the delivered Sign Panels and Sign Panel and Post Assemblies from the Superintendent of Signs Division and submit the same to the Commissioner within 24 hours of delivery.

Construction Requirements. Any holes left from the removal of the support posts shall be backfilled with suitable material approved by the Engineer and the surface of the filled hole shall be treated to match the surrounding area as directed by the Engineer.

In the case of removal of base mounted posts installed in sidewalk, the extruding bolts shall be sawed flush to the sidewalk surface immediately. Failure to remove the extruding bolts immediately after the removal of base would result in the charging of traffic control liquidated damages as specified under Traffic Control and Protection.

In the case of removal of posts embedded in sidewalk, the post must be sawed flush to the sidewalk surface and grouted with approved materials to close the open pipe.

Method of Measurement. REMOVE AND SALVAGE SIGN PANEL shall be measured for payment in square feet. REMOVE AND SALVAGE SIGN POST ASSEMBLY and REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY will not be measured for payment.

Basis of Payment. This work shall be paid for at the contract unit price per square foot for REMOVE AND SALVAGE SIGN PANEL, and at the contract unit price per each for REMOVE AND SALVAGE SIGN POST ASSEMBLY or REMOVE AND SALVAGE SIGN PANEL AND POST ASSEMBLY.

ITEM 55 - REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)

ITEM 56 - REMOVE, SOTRE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL)

*** REMOVE, STORE AND RE-ERECT SIGN PANEL AND SIGN PANEL POST ASSEMBLY**

Effective: February 13, 2023

Revised: November 18, 2024

Description. This work shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 724 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified. This work shall consist of removing, storing, and re-erecting the existing sign panels, posts, metal bases and sign brackets. After removal, the contractor shall safely store the sign panels, posts, metal base and brackets for reinstallation.

Construction Requirements. No removal work shall be completed without the approval of the Commissioner. The existing sign panels, posts metal bases, and brackets shall be removed, protected, and stored for reinstallation. Any sign panel, post or sign base that is damaged during removal and storage shall be repaired or replaced by the Contractor at his expense, as directed by the Commissioner.

In the case of removal of a post installed in a parkway the Contractor will fill and compact the hole with approved fill materials.

In the case of removal of base mounted posts installed in sidewalk, the extruding bolts shall be sawed flush to the sidewalk surface immediately. Failure to remove the extruding bolts immediately after the removal of base would result in the charging of traffic control liquidated damages as specified under Traffic Control and Protection.

In the case of removal of posts embedded in sidewalk, the post must be sawed flush to the sidewalk surface and grouted with approved materials to close the open pipe.

Basis of Payment. This work will be paid for at the contract unit price per each for REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL) and REMOVE, STORE AND RE-ERECT SIGN PANEL POST ASSEMBLY (SPECIAL), which price shall include all equipment, labor, and materials necessary to remove, store and reinstall the sign panels and their posts, metal base and metal brackets.

ITEM 57 - CURB PAINTING

CDOT SP 780-6 CURB PAINTING

Effective: December 1, 2008

Revised: October 6, 2025

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Article 780.07 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except as herein modified.

Materials. Paint shall conform to Article 1095.02 of the IDOT SSRBC. For colors other than white or yellow the paint shall conform to Article 1095.02 with the exception of pigment or pigment related components specific to white and yellow. These components shall be replaced with suitable substitutes to create the desired color as approved by the Commissioner.

Equipment. Equipment shall be according to Section 1105 of the IDOT SSRBC or as approved by the Commissioner.

General Requirements. Curb, curb and gutter, median curb, bump out curb, or other areas detailed in the plans are to be painted using the specified color.

When painting is required for designating a fire hydrant location the curb, curb and gutter, median curb, or bump out curb shall be painted 'safety yellow' for 15 feet on each side of the fire hydrant except where the 15-foot dimension intersects a crosswalk, driveway or similar feature.

When painting is required for areas that are not in the location of a fire hydrant the limits of the area to be painted shall be as detailed in the plans.

Paint does not require glass beads and should be painted to have neat straight lines along the top edge and vertically up the face of the curb, median curb, bump out curb, or other areas as detailed in the plans.

Method of Measurement. This work will be measured for payment per foot of curb, median curb, bump out curb, or other areas painted as detailed in the plans.

Basis of Payment. This work will be paid at the contract unit price per foot for CURB PAINTING, of the color specified.

ITEM 68 - METHYL METHACRYLATE PAVEMENT COLORIZATION – LETTERS AND SYMBOLS
ITEM 69 - METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
ITEM 70 - METHYL METHACRYLATE PAVEMENT COLORIZATION, RED

CDOT SP 780-1 METHYL METHACRYLATE PAVEMENT MARKINGS AND COLORIZATION, VARIOUS COLORS

Effective: November 21, 2022
Revised: October 27, 2025

Description. The work will include the application of Methyl Methacrylate (MMA) Acrylic high friction colorized surface for a variety of uses including but not limited to: Bike Lanes, Bus Lanes, Pedestrian Areas, and ADA Parking as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner. The colorized surfaces shall be applied according to the manufacturer's specifications and as amended in these specifications.

Materials. The MMA acrylic pavement marking material must be Methyl Methacrylate Acrylic material with a pigment specified by CDOT and include anti-skid abilities as described below. Color pigmented resins shall comply with FHWA color guidelines.

1. Pigmented Resin.
 - a. Color pigmented resins shall comply with FHWA color guidelines.
2. Retroreflective Media. The application or combination of retroreflective media (glass beads and/or retroreflective elements), if required, shall be applied at a rate specified by the manufacturer.
3. Anti-Skid Aggregate.
 - a. For all designated bike lanes and pedestrian areas, a durable aggregate with a minimum hardness of 7.0 per Mohs Hardness Scale must be used and incorporated into the pigmented MMA acrylic resin.
 - b. For all designated bus lanes and ADA parking spaces, calcined bauxite with minimum hardness of 8.5 per Mohs Hardness Scale must be used and incorporated into the pigmented MMA acrylic resin.
 - c. For other use cases, CDOT will coordinate with the vendor on the desired hardness to be incorporated into the pigmented MMA acrylic resin.

Submittals.

1. Product Data describing physical and performance characteristics and colors available
2. Material Certification: Provide a Manufacturer's written certification that the material complies with these specifications.
3. Samples: Submit manufacturer's sample of materials, finishes, and colors
4. Quality Control Plan
 - a. Description of equipment for placing MMA
 - b. Description of equipment for measuring, mixing, placing, and finishing MMA
 - c. Method for protecting areas not to receive MMA
 - d. Cure time estimates for MMA
 - e. Storage and handling of MMA components

- f. Disposal of excess MMA and containers
- g. Contingency plan for possible failure during the MMA application including remediation

Construction Requirements. Construction of bike lane pavement markings shall be in accordance with manufacturer application and installation procedures, Standard Specifications for Construction, and Engineer.

All pavement marking areas shall be laid out by the contractor and then reviewed by the Engineer. Approval of the marking layout shall be approved by the Engineer prior to placement of material.

Surface preparation shall include cleaning and preparation of the pavement surface using high pressure water, compressed air, sand-blasting or shot-blasting. Both asphalt and concrete surfaces shall be prepared and approved by the material manufacturer and the engineer. Concrete surfaces shall require shot blasting preparation in addition to any other methods of preparation used. All surface damage shall be corrected by the Contractor at the Contractor's expense, as directed by the Engineer. Manufacturer recommended pavement and air temperatures must be followed.

New Hot Mix Asphalt shall have been placed 30 days prior to installation of the MMA acrylic colorized material and surface oils shall not be present. MMA acrylic colorized material applied on concrete surfaces shall receive a base coat application and shall be included in the pay item. Marking layout, material mixing, base coat application, and pigmented coat application shall comply with the manufacturer's installation procedures.

The Contractor shall protect the pavement markings from damage and allow them to fully cure prior to allowing traffic to drive over markings. Any damage shall be corrected by the Contractor at the Contractor's expense.

Method of Measurement. The quantity to be paid will be measured in place in feet for the lines and area in square feet for letters and symbols, and colorization measured in place, completed and accepted.

Basis of Payment. This work will be paid for at the Contract Unit Price per foot of applied line width for METHYL METHACRYLATE PAVEMENT MARKING – LINE; and/or square feet for METHYL METHACRYLATE PAVEMENT MARKING, LETTERS AND SYMBOLS, and METHYL METHACRYLATE PAVEMENT COLORIZATION of the COLOR specified, which price will include all material, labor, equipment, and surface preparation needed for the installation.

ITEM 71 - FLEXIBLE DELINEATORS

CDOT SP 635-1 FLEXIBLE DELINEATORS

Effective: December 23, 2022

Description. This work shall consist of furnishing and installing Flexible Delineators on asphalt and concrete pavement and open metal grating on bridges. Work shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 635 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified.

General Requirements. Contractor shall provide new and unused low density polyethylene or polyurethane Flexible Delineator post, fastening screws, base, and anchor bolts. Materials must be engineered to meet Manual on Uniform Traffic Control Devices (MUTCD) specifications for nighttime use including, but not limited to (1) height of 28" and (2) provide two 3" wide white or yellow retroreflective bands placed 2" from the top and spaced 3" between the bands. All colors must be within tolerance limits as specified in the MUTCD and 23 CFR Part 655, Appendix to Subpart F. All bands shall meet MUTCD retroreflectivity requirements. Flexible delineators shall be made of materials resistant to extreme temperature changes in the range of -20°F to 160°F, ultraviolet light, ozone, hydrocarbons, stiffening with age, and a series of direct wheel impacts with speeds varying up to 65mph, and rebounds to a vertical position if struck by a standard vehicle. Units shall meet NCHRP 350 crashworthy requirements.

Post locations and color combinations are specified on plan sheets. Contractor shall be prepared to install the following post and band color combinations. All bases shall be black.

- White post with white band
- Yellow post with yellow band

Contractor shall affix heavy duty base to pavement or metal grating with 2.5" anchor bolts. Heavy duty base shall be designed to hold the post securely to the pavement with 2.5" anchor bolts. Post shall be affixed to the base with fastening screws. Anchor bolts shall be one-piece finished hex head, integral washer, dual lead threads and chamfered tip for installation in concrete or asphalt. One-piece bolts shall be used to eliminate improper assembly; dual-threaded bolts shall be used to prevent bolts spinning in holes when tightened. All units shall be completely removable with standard power tools

Method of Measurement. The flexible delineator shall be measured on a per each basis, for each entire assembly installed and accepted. The entire assembly shall include, post, fastening screws, base, and anchor bolts.

Basis of Payment. The work of furnishing and installing new flexible delineator posts and reflectors will be paid at the contract unit price per each for FLEXIBLE DELINEATORS.

ITEM 72 - PIPE BOLLARDS

CDOT SP 699-10 PIPE BOLLARD, STEEL (CDOT)

Effective: April 15, 2026

Description. Work under this item shall consist of constructing painted steel bollards filled with concrete as detailed below and as shown on the plans, standard drawings, and/or work order, or as directed by the Commissioner.

Materials.

Steel pipe and cap utilized for bollards shall be schedule 40 meeting ASTM A500.

The concrete used to fill the bollards, and the concrete collar around the bollards shall be a Class SI mixture according to Section 1020 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC), except the concrete collar strength shall be 3500 psi at 28 days.

Waterborne acrylic paint shall be according to Article 1008.04 of the IDOT SSRBC.

General Requirements. Concrete bollards shall be constructed of steel pipe with a concrete collar around the bollard and filled with Class SI concrete. Surrounding areas restored as shown in the standard drawings.

Construction Requirements. Work shall consist of excavation to embedment depth, vertical installation of steel pipe, placing concrete, removal of excavated material, and painting of bollard installed.

A minimum thirty-two (32) inch embedment is required for installation of bollards and shall extend thirty-six (36) inches above the pavement surface.

All concrete shall be well consolidated minimizing honeycombing and entrapped air.

Bollards installed shall be primed and painted with a waterborne acrylic paint system of the color specified, or as determined by the Commissioner to ensure visibility.

Care is to be taken to prevent concrete, primer, and paint materials from contacting the surrounding pavement, structures, etc. The Contractor shall be required to properly remove any overspill or overspray from the surrounding area immediately.

Basis of Payment. This work will be paid at the contract unit price per each for PIPE BOLLARDS.

ITEM 74 - CROSSWALK SURFACING SYSTEM

Description: This work shall consist of furnishing and installing a durable imprinted aggregate reinforced preformed thermoplastic pavement marking system (herein "System") that provides a textured, highly attractive and durable topical treatment to the surface of asphalt pavement.

Materials: PREFORMED THERMOPLASTIC MATERIAL: Must be composed of an ester modified rosin impervious to degradation by motor fuels, lubricants, etc. in conjunction with aggregates, pigments, binders, and anti-skid/anti-slip elements. Pigments and anti-skid/anti-slip elements must be uniformly distributed throughout the material. The material shall conform to AASHTO designation M249, with the exception of the relevant differences due to the material being supplied in a preformed state, being non-reflective, and potentially being of a color different from white or yellow.

1) Pigments:

a) White: The material shall be manufactured with sufficient titanium dioxide pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 as revised and corrected.

b) Other Colors: The pigment system must not contain heavy metals nor any carcinogen, as defined in 29 CFR 1910.1200 in amounts exceeding permissible limits as specified in relevant Federal Regulations.

2) Skid Resistance: The surface of the material shall contain a minimum of thirty percent (30%) intermixed anti-skid/anti-slip elements. These anti-skid/anti-slip elements must have a minimum hardness of 6 (Mohs scale). Upon application the material shall provide a minimum skid resistance value of 60 BPN when tested according to ASTM E 303.

3) Slip Resistance: The surface of the material shall contain a minimum of thirty percent (30%) intermixed anti-skid/anti-slip elements. These anti-skid/anti-slip elements must have a minimum hardness of 6 (Mohs scale). Upon application the material shall provide a minimum static friction of coefficient of 0.6 when tested according to ASTM C 1028 (wet and dry), and a minimum static coefficient of friction of 0.6 when tested according to ASTM D 2047.

4) Thickness: The material must be supplied at a minimum thickness of 150 mil (3.8mm).

5) Environmental Resistance: The material must be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline. The System must be able to be applied in temperatures down to 45°F (7°C) without any special storage, preheating, or treatment of the material before application.

6) Storage Life: The material may be stored for 12 months, if stored indoors and protected from the elements.

TRANSVERSE LINES TO SUPPLEMENT SYSTEM APPLICATION: Shall be white, retroreflective preformed thermoplastic line stripe material in 90 mil (2.3 mm) or 125 mil (3.2 mm) thicknesses in 12 in. (.30m) widths. This preformed thermoplastic material may be supplied and applied by the certified applicator in conjunction with the system.

STAMPING TEMPLATES: A wire rope template is required in the execution of the System. The template is used for imprinting the defined pattern once the preformed thermoplastic has been applied. The wire rope diameter for the imprinting template used for the specified pattern is 3/8 in. (9.5mm). The stamping templates shall be distributed by the System manufacturer.

HEATING EQUIPMENT: The System manufacturer shall distribute reciprocating infrared heating equipment designed specifically to elevate the temperature of the preformed thermoplastic material and asphalt pavement without adversely affecting it. The primary heating unit must employ a bank of propane-fired infrared heaters, mounted on a track device that allows the heater bank to reciprocate back and forth over a designated area, thereby allowing the operator to monitor the temperature of the preformed thermoplastic at all times during the pavement heating process.

A smaller, mobile infrared heater may be used to specifically to heat areas such as borders and narrow areas that are inaccessible to the primary heaters. This secondary heater also allows the operator to

monitor the temperature of the preformed thermoplastic at all times during the heating process. An approved hand-held propane heat torch shall be used to heat isolated areas of the preformed thermoplastic.

SEALER: A two-part epoxy sealer specified by the manufacturer of the preformed thermoplastic material must be applied to the substrate prior to thermoplastic material application to ensure proper adhesion, and to provide reinforcement for larger volumes of material.

AGGREGATE: Supplemental anti-skid/anti-slip elements to be applied to the surface of the molten thermoplastic as needed, if the factory applied anti-skid/anti-slip elements embed too deeply into the surface of the molten thermoplastic material during the heating process.

The System must be able to be applied to asphalt surfaces without preheating the application surface to a specific temperature.

The System shall utilize standard colors and patterns, as approved by the Commissioner.

The System must be resistant to the detrimental effects of motor fuels, antifreeze, lubricants, hydraulic fluids, etc.

Quality Assurance: The System manufacturer must be ISO 9001:2008 certified for design, development and manufacturing of preformed thermoplastic, and provide proof of current certification.

The System shall be supplied and applied only by an applicator certified by the System manufacturer. The applicator shall provide proof of current certification before commencing work. The Certified Applicator shall follow the System manufacturer's current published application procedures.

Technical services: The successful bidder shall provide technical services as required.

Warranty: Provide certification from the manufacturer that the imprinted texture, coating and coloring materials have a minimum five year warranty from Final Acceptance of the project.

Performance measures for the imprinted textures at the end of three years of the project: a) the imprint must maintain a depth of 50% of the original installed depth and width, b) the crosswalk should be uniform in color with no chips, spalling, or pieces of material missing. Original color values will be measured at the time of acceptance.

Submittals: Submit product data and cut sheets for all materials for approval from the Commissioner prior to ordering any material.

Submit installer qualifications and proof of current certification.

Shop Drawings: Prior to ordering any material, Contractor shall receive Commissioner approval on Contractor submitted shop drawings which show complete information for layout and installation.

Installation: Substrate condition: The System must only be applied to a stable, high quality asphalt pavement substrate over a stable base that is free of defects, as per the manufacturer published Substrate Guide. The asphalt pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

Procedure: The System must be applied to asphalt pavement using reciprocating infrared heating equipment. A two- part epoxy sealer specified by the manufacturer must be applied to the substrate prior to the preformed thermoplastic application. Immediately following sealer application, the panels of

aggregate reinforced preformed thermoplastic are positioned properly on the asphalt substrate with the aggregate side facing up. The preformed thermoplastic is then heated to the required melting temperature. Additional aggregate may be applied to the preformed thermoplastic surface as needed following the melting process. As the material is cooling, it is imprinted with a stamping template made from 3/8 in. (9.5 mm) flexible wire rope in the specified design using a vibratory plate compactor. The preformed thermoplastic material is then allowed to cool thoroughly before being opened to vehicle or pedestrian traffic.

The System shall not be applied to Portland Cement Concrete.

Method of Measurement: The quantity to be paid will be the area in square feet of CROSSWALK SURFACING SYSTEM, measured in place, completed and accepted. No deduction will be made for the area(s) occupied by manholes, inlets, drainage structures, or by any public utility appurtenances within the area. Asphalt or concrete materials placed prior to treatment will be paid separately under the appropriate pay items. Milling or any other necessary surface preparation required for the placement of CROSSWALK SURFACING SYSTEM will be included in the cost of the CROSSWALK SURFACING SYSTEM.

Basis of Payment: This work will be paid for at the contract unit price per square feet for CROSSWALK SURFACING SYSTEM which price will include all labor, installation, equipment, and materials necessary to complete the work as specified.

ITEM 75 - DRILL AND GROUT DOWEL AND TIE BARS

CDOT SP 999-9 DRILL AND GROUT DOWEL AND TIE BARS

Effective: May 9, 2023

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Sections 353, 420, 423, 424, 442, 606, 1006, 1020, 1024 and 1027 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified. The work shall consist of furnishing and installing epoxy coated dowel bars or epoxy coated tie bars of the specified size in existing Portland Cement Concrete (PCC) bases where new PCC curbs and gutters, new PCC bases and pavement patches are placed against existing appurtenances.

General Requirements. Holes for dowel bars shall be drilled with equipment as approved by the Commissioner for this purpose to the depth shown on the plans, standard drawings and/or work order and to a diameter large enough to allow grouting around the dowel bar or tie bar. The dowel bars or tie bar shall be secured in the drilled holes with IDOT approved nonshrink grout or chemical adhesive. The grout shall be allowed to cure before the concrete for new construction is placed.

Method of Measurement. This work is to be measured for payment in place per each.

Basis of Payment. This work will be paid for at the contract unit price per each for DRILL AND GROUT DOWEL AND TIE BARS.

ITEM 75 - CLASS "SI" CONCRETE (MISCELLANEOUS)

CDOT SP 503-4 CLASS "SI" CONCRETE (MISCELLANEOUS)

Effective: January 26, 2009

Revised: June 3, 2009

Description. Work under this item shall consist of constructing small scale cast-in-place concrete structures and/or in performing small scale concrete repairs, as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner. Work under this item shall be performed according to Section 503 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified.

Method of Measurement. CLASS "SI" CONCRETE (MISCELLANEOUS) will be measured for payment in place and the volume will be computed in cubic yards. Any required steel reinforcement will not be measured separately.

Basis of Payment. This work will be paid at the contract unit price per cubic yard for CLASS "SI" CONCRETE (MISCELLANEOUS). Any required steel reinforcement will not be paid separately, and shall be incidental to the work

ITEM 77 - ADJUST ELECTRICAL FRAME AND COVER

CDOT SP 814-7 ADJUST ELECTRICAL FRAME AND COVER

Effective: March 16, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1458
Standard Drawings: 872, 874, 10927

This item shall consist of adjusting an existing 24 inch or 30-inch frame and cover on an existing handhole on manhole to finished grade. The existing handhole or manhole may be in the street, in the sidewalk, or in the parkway.

Materials. 24" frames and covers shall be as shown in Standard Drawing 872. 30" frames and covers shall be as shown in Standard Drawings 874 and 10927. All frames and covers shall conform to Material Specification 1458. Bricks shall meet the requirements of Section 1041 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC).

Construction Requirements. Pavement, sidewalk, and soil must be removed to the extent necessary to adjust the frame. Material must be disposed of according to the requirements of Article 202.03 of the SSRBC. Mortar and brick, or mortar and concrete rings, must be used to adjust to the proper grade. With the approval of the Resident Engineer, the contractor may use precast adjusting rings. Adjustment rings, bricks, and frames are to be set in a full mortar bed. Mortar must be mixed in a proportion of one part cement to three parts sand by volume of dry mix. The interior of the adjustment must be smooth. Use of partial bricks will not be allowed. Bricks must be laid in full header courses only. In no instance will the neck of the manhole or handhole exceed two feet in depth.

Frames and covers damaged during the course of this work shall be replaced at no cost to the City.

Basis of Payment. This work will be paid for at the contract price per each for ADJUST ELECTRICAL FRAME AND COVER or CITY ELECTRIC MANHOLE TO BE ADJUSTED.

ITEM 78 - TEMPORARY PAVEMENT

CDOT SP 353-1 TEMPORARY PAVEMENT

Effective: July 1, 2010

Description. This work shall consist of constructing a temporary pavement as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner.

The Contractor shall use either Portland cement concrete according to Sections 353 and 354 of the IDOT Standard Specifications or HMA according to Sections 355, 356, and 406 of the IDOT Standard Specifications, and other applicable HMA special provisions as contained herein. The HMA mixtures to be used shall be specified in the plans. The thickness of the Temporary Pavement shall be as described in the plans. The Contractor shall have the option of constructing either material type if both Portland cement concrete and HMA are shown in the plans.

Articles 355.08, and 406.11 of the IDOT Standard Specifications shall not apply.

Method of Measurement. This work will be measured for payment in place in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for TEMPORARY PAVEMENT. Removal of TEMPORARY PAVEMENT, if required, shall be included with this work.

ITEM 79 - TRENCH AND BACKFILL WITH SCREENINGS

CDOT SP 810-3 TRENCH AND BACKFILL WITH SCREENINGS

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: Not Applicable
Standard Drawings: 579, 813

This work shall consist of excavating a trench for the installation of conduit and backfilling with limestone screenings as a portion of the total backfill of the trench, all as shown in Division of Electrical Operations Standard Drawings No. 579 and No. 813. This work shall meet all applicable requirements of Article 810.04(a) of the Standard Specifications.

Materials. Underground Cable Marking Tape shall meet the requirements of Section 1066.05 of the Standard Specifications. Backfill shall meet the requirements of Section 1003.04 of the Standard Specifications.

Construction Requirements. The trench shall be deep enough to provide thirty inches (30") of cover over the conduit to be installed. The trench shall not exceed twelve inches (12") in width unless approved by the Resident Engineer. The bottom of the trench shall be tamped, and the trench inspected by the Resident Engineer before conduit is installed. All trenches shall be backfilled as soon as possible after the installation of the conduit or cable. Any material excavated from the trenches that in the opinion of the Resident Engineer is satisfactory backfill, may be used for backfill above the layer of screenings. The limestone screenings shall be used to fill the bottom of the trench to a depth of one foot above the top of the conduit or duct encasement. Cinders, rocks, or other inappropriate materials shall not be permitted to be used as backfilling material. Backfilling material, beginning with limestone screenings shall be deposited in the trench in layers not to exceed six inches (6") in depth, and shall be thoroughly compacted with a mechanical tamper before the next layer is deposited in the trench. All trenches for conduit shall be backfilled as per this specification. Unsuitable material shall be disposed of according to the requirements of Section 202.03 of the Standard Specifications. Underground cable marking tape shall be installed twelve inches (12") below the finished grade for all conduit runs.

Method of Measurement. This work will be measured in feet along the centerline of the trench. Trench and backfill will not be measured for payment for conduit which is installed by pushing or by directional boring. Where more than one (1) conduit is installed in a single trench, only one run will be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per foot, measured with conduit in place, for TRENCH AND BACKFILL WITH SCREENINGS. This price shall include the cost of all excavation, furnishing and placing all backfill material, and disposal of all surplus excavated material. If sidewalk, driveway pavement or pavement must be removed and replaced, such work will be paid for separately.

ITEM 80 - HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 30" FRAME AND COVER
ITEM 81 - HANDHOLE, ELECTRIC, HEAVY DUTY, WITH 36" FRAME AND COVER

*** HANDHOLE, ELECTRIC, WITH FRAME AND COVER**

Effective: March 16, 2024
Revised: October 29, 2025

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1458, 1528
Standard Drawings: 866, 867, 871, 872, 874, 10927

This item shall consist of furnishing and installing or constructing an electrical handhole with frame and cover in pavement, parkway, driveway, or sidewalk.

Materials. Frames and covers shall meet the requirements of Material Specification 1458. Handholes shall meet the requirements of Material Specification 1528. 24" frames and covers shall meet the requirements of Standard Drawing 872. 30" frames and covers shall meet the requirements of Standard Drawing 874 and 10927. Bricks shall meet the requirements of Section 1041 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC). All other materials used shall meet the appropriate material requirements of the Standard Specifications.

General Requirements. The handhole shall be a precast concrete structure, or, if conditions merit, a cast in place concrete structure, complete with cast iron frame and cover, and conforming in detail with Standard Drawing 867 for 30" handholes, Standard Drawings 866 or 871 for heavy-duty handholes, except that the number of conduit openings shall be as shown on the construction plans.

Each handhole shall be installed at the location specified on the plans or at the location identified by the Resident Engineer.

Construction Requirements. The area where the handhole is to be placed shall be properly excavated. All disposable material shall be properly disposed of per Article 202.03 of the SSRBC. Each handhole shall be set or constructed on a foundation of loose stone not less than eight inches (8") deep. The 36" handhole for pavement installation shall have a floor as shown in Drawing Number 871. The frame casting shall be accurately set on a full bed of mortar to the finished elevation so that no subsequent adjustment shall be necessary. It is desirable not to use a neck for the frame. However, if approved by the Resident Engineer, mortar and brick, or mortar and concrete rings, may be used to adjust to the proper grade. Adjustment rings, bricks, and frames shall be set in a full mortar bed. Use of partial bricks will not be allowed. Bricks shall be laid in full header courses only. Mortar shall be mixed in a proportion of one (1) part of cement to three (3) parts sand by volume of dry materials. After entering ducts have been installed in place in the handhole, the openings in the wall shall be plugged in an approved manner flush with the inner surface. If backfill is required, screenings shall be used and properly compacted. Parkway shall be restored to the proper grade. Pavement shall be properly restored to finished grade. Patching of the pavement shall be done with high early strength concrete meeting the requirements of Articles 1001 and 1020 of the Standard Specifications. Sidewalks shall be restored to the proper grade using a 5-inch thickness of concrete. The inside of the handhole shall be clean of all debris. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Basis of Payment. This work will be paid for at the contract unit price per each for HANDHOLE, ELECTRIC, WITH FRAME AND COVER of the size specified.

ITEM 82 - MANHOLE, ELECTRIC, 3'X3'X4' WITH 24" FRAME AND LID
ITEM 83 - MANHOLE, ELECTRIC, 3'X3'X4' WITH 30" FRAME AND LID

*** MANHOLE, ELECTRIC**

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1458, 1528
Standard Drawings: 729, 730, 732, 733, 872, 874, 10927

This item shall consist of furnishing and installing an electrical manhole of the dimensions indicated with either a 24" or 30" frame and lid.

Materials. The concrete manhole shall meet the applicable requirements of Material Specification 1528. The frame and lid shall meet the requirements of Material Specification 1458. A 24" frame and lid shall meet the requirements of Standard Drawing 872. A 30" frame and lid shall meet the requirements of Standard Drawings 874 and 10927. Bricks shall meet the requirements of Section 1041 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC). All other materials used shall meet the appropriate material requirements of the SSRBC.

Construction Requirements. The manhole shall be a precast concrete structure, or, if conditions merit, a cast in place concrete structure, complete with cast iron frame and lid. A 3' x 4' x 4' manhole with a 24" frame and lid shall conform to the requirements of Drawing 730. A 3' x 4' x 4' manhole with a 30" frame and lid shall conform to Drawing 729. A 4' x 6' x 6' manhole with a 24" frame and lid shall conform to Drawing 732. A 4' x 6' x 6' manhole with a 30" frame and lid shall conform to Drawing 733. The number and size of conduit openings shall be as shown on the construction plans.

Each manhole shall be installed in paved sidewalk, earth parkway, or in pavement at the location specified on the construction plans or at a location as directed by the Resident Engineer.

The area where the manhole is to be placed shall be properly excavated. All disposable material shall be properly disposed of per Article 202.03 of the SSRBC. Each manhole shall be set or constructed to conform with the appropriate City of Chicago drawings, except that the number and size of conduit openings shall be in accordance with the construction plans. The frame casting shall be accurately set on a full bed of mortar to the finished elevation so that no subsequent adjustment shall be necessary. Mortar and brick, or mortar and concrete rings, may be used to adjust to the proper grade. Adjustment rings, bricks, and frames shall be set in a full mortar bed. Use of partial bricks will not be allowed. Bricks shall be laid in full header courses only. In no instance shall the neck of the manhole exceed two (2) feet in height. Mortar shall be mixed in a proportion of one (1) part cement to three (3) parts sand by volume of dry materials. After entering laterals have been installed in place in the manhole, the openings in the wall shall be plugged in an approved manner flush with the inner surface. If backfill is required, screenings shall be used and properly compacted. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately. The inside of the manhole shall be clean of all debris.

Basis of Payment. This work will be paid for at the contract unit price per each for MANHOLE, ELECTRIC, of the size and frame and lid specified.

ITEM 84 - ELECTRICAL FRAME AND COVER, 24"
ITEM 85 - ELECTRICAL FRAME AND COVER, 30"

*** ELECTRICAL FRAME AND COVER**

Effective: March 16, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1458
Standard Drawings: 872, 874, 10927

This item shall consist of replacing an existing 24" or 30" frame and cover on an existing handhole or manhole. The existing handhole or manhole may be in pavement, sidewalk, or parkway.

Materials. 24" frames and covers shall be as shown in Standard Drawing 872. 30" frames and covers shall be as shown in Standard Drawings 874 and 10927. All frames and covers shall conform to Material Specification 1458. Bricks shall meet the requirements of Section 1041 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC).

Construction Requirements. Pavement, sidewalk, and soil must be removed to the extent necessary to adjust the frame. Material must be disposed of according to the requirements of Article 202.03 of the SSRBC. Mortar and brick, or mortar and concrete rings, must be used to adjust to the proper grade. With the approval of the Resident Engineer, the contractor may use precast adjusting rings. Adjustment rings, bricks, and frames are to be set in a full mortar bed. Mortar must be mixed in a proportion of one part cement to three parts sand by volume of dry mix. The interior of the adjustment must be smooth. Use of partial bricks will not be allowed. Bricks must be laid in full header courses only. In no instance will the neck of the manhole or handhole exceed two feet in depth.

If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Basis of Payment. This work will be paid for at the contract price per each for ELECTRICAL FRAME AND COVER, of the size specified

ITEM 86 - DRILL EXISTING ELECTRICAL HANDHOLE OR MANHOLE

CDOT SP 814-5 DRILL EXISTING HANDHOLE OR MANHOLE

Effective: March 16, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: None Applicable

Standard Drawings: 814

This work will consist of drilling a hole in an existing handhole or manhole for the installation of a new conduit. This work shall meet the requirements of Section 879 of the IDOT Standard Specifications for Road and Bridge Construction.

Construction Requirements. The size of the hole shall be as close as possible to the size of the conduit to be installed. The conduit shall be installed in the drilled hole with a bushing before the hole is grouted. Conduit will be paid for separately. The space between the conduit and the handhole or manhole wall must be caulked with a waterproof grout. See Standard Drawing 814 for additional details.

Method of Measurement. This work will be measured per each conduit installed into an existing handhole or manhole.

Basis of Payment. This work will be paid for at the contract unit price per each for DRILL EXISTING ELECTRIC HANDHOLE OR MANHOLE.

ITEM 87 - CLEAN EXISTING CITY MANHOLE OR HANDHOLE

CDOT SP 814-4 CLEAN EXISTING CITY ELECTRICAL MANHOLE OR HANDHOLE

Effective: March 16, 2024

Description. This work shall consist of the removal and disposal of all foreign debris and liquids from the manhole or handhole. Manholes or handholes to be cleaned will be identified on the plans or by the Resident Engineer.

General Requirements. The inside dimensions of handholes are typically 30" or 36" in diameter and 36" in depth. The inside dimensions of a manhole are typically 3' x 4' x 4' or 4' x 6' x 6'. Handholes and manholes of other dimensions may be encountered.

Cleaning shall include opening the cover and placing the cover back in place after cleaning. Cables shall not be damaged or disturbed during the cleaning process. All debris removed from the hole shall be properly disposed of in an approved manner and not be left in the public way or dumped into the City sewer system. Guidelines outlined in Article 202.03 of the IDOT Standard Specifications for Road and Bridge Construction shall be followed.

Basis of Payment. This work will be paid at the contract unit price per each for CLEAN EXISTING CITY ELECTRICAL MANHOLE OR HANDHOLE.

ITEM 88 - INSTALL RACK IN HANDHOLE OR MANHOLE

CDOT SP 814-6 INSTALL RACK IN HANDHOLE OR MANHOLE

Effective: March 16, 2024

Revised: August 2, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: None Applicable

Standard Drawings: 866, 867, 871, 729, 730, 732, 733

This work will consist of furnishing and installing cable racks within an existing handhole or manhole, or as directed by the Commissioner.

Construction Requirements. Cable racks shall be installed in accordance with Standard Drawings 866, 867, 871, 729, 730, 732, and 733. Existing cables shall be trained upon the newly installed racks.

Method of Measurement. This work will be measured per each handhole or manhole fitted with racks.

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL RACK IN HANDHOLE OR MANHOLE.

ITEM 89 - ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: None
Standard Drawings: 729, 730

This item will consist of removing and replacing the existing roof of an existing manhole due to its condition or to its relationship to the new grade, where adjusting the frame and cover will not be sufficient.

Material. The frame and lid shall be re-used, unless the plans call for new, in which case the frame and lid will be paid for under a separate pay item. Concrete shall meet the requirements for Portland cement concrete, SI Class, in Section 1020 of the Standard Specifications. Dowel rods shall meet the requirements of Article 1006.11 of the Standard Specifications. Reinforcement bars shall meet the requirements of Article 1006.10 of the Standard Specifications.

Construction Requirements. The area above the roof will be excavated. The existing roof shall be broken down and all debris removed. All debris shall be disposed of per Article 202.03 of the Standard Specifications. The existing manhole walls shall be preserved. The existing walls will be keyed so as to form a better bond with the new concrete roof. Dowelling may be used by drilling holes in the existing walls and inserting reinforcement bars of sufficient size, and grouting. Wooden forms will be used to form the new concrete roof. The new roof will be poured in place and shall be reinforced as per Drawing 729 or Drawing 730. The new roof shall be dimensioned as per Drawing 729 or Drawing 730.

The roof for parkway or sidewalk areas shall accommodate a 24" frame and lid. The roof for a roadway shall accommodate a 30" frame and lid. The inside of the manhole shall be clean and free of all debris. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Method of Measurement. This item will be measured per each unit installed complete.

Basis of Payment. This work will be paid for at the contract unit price per each for ROOF ON 3'X4'X4' ELECTRICAL MANHOLE IN PARKWAY, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 90 - ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM

Description and Scope: This work will consist of inserting a duct rod or electrical fish rod or tape of sufficient length and rigidity into an electrical conduit opening in one electrical manhole or handhole, and pushing the said rod through the conduit to emerge at the next or subsequent manhole in the conduit system at the location shown on the plans. The duct rod may be inserted and removed by any standard construction method which causes no damage to the conduit system. The size of the conduit may vary from two inch (2") to four inch (4"), but there will be no differentiation in cost for the size of the conduit.

The conduit system which is to be rodded and cleaned may exist with various amounts of standing water in the manholes. The contractor must pump the water or sufficient water from the manholes to drain the conduit and to afford compatible working conditions for the installation of the duct rods and/or cables. The pumping of the manholes will be included in the cost of the work.

Any manhole which, in the opinion of the Resident Engineer contains excessive debris, dirt or other materials to the extent that conduit rodding and cleaning is not feasible, will be cleaned at the Engineer's order and payment approved as a separate pay item, and not a part of this specification.

A duct cleaning attachment, such as a wire brush or cleaning mandrel, must be attached to the duct rod prior to its removal. The cleaning attachment must be pulled through the conduit to remove sand, grit, or other light obstructions from the duct to provide a clean, clear passage for installation of cable. Whenever the installation of cables is not performed immediately following the cleaning of the duct, a light weight pulling line such as a 1/8" polyethylene line or conduit measuring tape must be placed and will remain in the conduit to facilitate future work. When great difficulty of either inserting the duct rod or removal of the cleaning mandrel is encountered, the duct may require further cleaning by use of a compressed air gun, or a low pressure water hose. In the case of a broken duct line, the conduit must be excavated and repaired. The existence and location of breaks in the duct line may be determined by rodding, but the excavation and repair work required will not be a part of this pay item.

Method of Measurement: This work will be measured per linear foot for each conduit cleaned. Measurements will be made from point to point horizontally. No vertical rises will count in the measurement.

Basis of Payment: This work will be paid for at the contract unit price per linear foot for ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM for the installation of new electric cables, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 91 - REPAIR OR REPLACE DAMAGED CONDUIT

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1462, 1533
Standard Drawings: None

This Work consists of the repair and replacement of short segments of damaged or crushed conduit, needed to complete rewiring of a signalized intersection, as directed by the Commissioner. Short segments shall generally be considered as ten feet or less. Work shall include excavation beneath pavement or sidewalk, trenching, repair and replacement of the affected conduit using water-tight conduit splices, and backfill of the trench to the bottom of the pavement, sidewalk or topsoil. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately. Before commencing repair and replacement, the Contractor shall submit a brief statement of the expected work method and effort for each section of damaged or crushed conduit to the Commissioner. The actual work shall not take place until the Commissioner approves the Contractor submittal.

Materials:

Galvanized Rigid Steel Conduit
PVC conduit

Material Specification

1462
1533

Method of Measurement. This work will be measured per linear foot of conduit repaired or replaced, and accepted, measured in place. The length for measurement will be the distance horizontally between changes in direction of the conduit plus the conduit vertically attached to the structure.

Basis of Payment. This work will be paid for at the contract unit price per foot for REPAIR OR REPLACE DAMAGED CONDUIT, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 92 - CONDUIT RISER ATTACHED TO POLE, 2"
ITEM 93 - CONDUIT RISER ATTACHED TO POLE, 3"

CDOT SP 811-2 CONDUIT RISER ATTACHED TO POLE

Effective: March 10, 2024
Revised: November 20, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1462
Standard Drawings: 11825

This item shall consist of furnishing and installing an elbow and conduit riser topped with a weatherproof service head of the size indicated at the locations shown on the plans and attached to an embedded steel pole, for the purpose of enclosing electric cables which will extend from an underground facility to the top of the pole at which point the conductors may be connected to aerial conductors or to a device located near the top of the pole.

Materials. Conduit shall meet the requirements of Material Specification 1462.

Construction Requirements.

Service Riser. The galvanized rigid steel conduit riser shall consist of a large radius elbow and twenty-five (25) feet of conduit secured to a pole with three-quarter inch stainless steel banding installed at five-foot intervals up the pole starting at 3 feet above grade. A service entrance head of the nominal size of the conduit shall be securely attached to the upper end of the conduit. The riser shall be wiped clean of dirt and foreign materials before painting and shall be painted with one coat of exterior enamel to match the pole to which it is attached. The cost of painting shall be included in this item.

Basis of Payment. This work will be paid for at the contract unit price per each for CONDUIT RISER ATTACHED TO POLE, of the size specified.

ITEM 94 - CONDUIT IN TRENCH, GALVANIZED STEEL, 2" DIA.
ITEM 95 - CONDUIT IN TRENCH, GALVANIZED STEEL, 3" DIA.
ITEM 96 - CONDUIT IN TRENCH, PVC (SCHEDULE 40), 2" DIA.
ITEM 97 - CONDUIT IN TRENCH, PVC (SCHEDULE 40), 3" DIA.
ITEM 98 - CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA.
ITEM 99 - CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA.

CDOT SP 810-2 UNDERGROUND CONDUIT

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1462, 1533
Standard Drawings: 579, 813

This work shall consist of furnishing and installing conduit, fittings, and accessories as part of a raceway laid in trench, pushed, or directionally bored.

Materials. Galvanized rigid steel conduit and PVC coated galvanized rigid steel conduit shall conform to the requirements of Material Specification 1462. Polyvinyl chloride (PVC) conduit shall conform to the requirements of Material Specification 1533. Coilable non-metallic conduit shall be a high-density polyethylene meeting the requirements of Material Specification 1533. Conduit color shall be as determined by the Resident Engineer. Aluminum conduit shall be rigid wall conduit with a minimum wall thickness of 0.099". The conduit shall be extruded from 6063 aluminum alloy and tempered to T-1. Aluminum conduit shall meet the requirements of UL 6 and ANSI C80.5.

Construction Requirements. Galvanized rigid steel conduit shall be installed in a trench or pushed underground. PVC conduit shall normally be installed in a trench. Coilable conduit shall be installed in a trench for short distances only. The normal installation method for coilable conduit is directional boring. The Contractor shall exercise care in installing the conduit to ensure that it is smooth, free from sharp bends or kinks, and has the minimum practicable number of bends. Crushed or deformed conduit shall not be accepted. All conduit and fittings shall have the burrs and rough places smoothed, and all conduit runs shall be cleaned and swabbed before installation of electric cables. If cable is not to be installed immediately after cleaning of the conduit, a light weight pulling line such as 1/8" polyethylene line shall be placed in the conduit and shall remain in the conduit for future work. The excavation for pushing conduit shall be located at least two feet (2') from the edge of pavement. All underground conduits shall have a minimum cover of thirty inches (30") below grade. If conduit cannot be installed with a minimum cover of thirty inches (30"), the conduit shall be encased in concrete for protection. The method of encasement and protection shall be approved by the engineer. Concrete encasement shall be paid for as a separate pay item.

When multiple conduits are installed in a common trench, no more than three (3) three inch (3") or smaller conduit laterals shall be laid on a single, horizontal level. Four or more conduit laterals shall be installed on two (2) or more levels in accordance with instructions of the Resident Engineer.

Threaded fittings and bends of the same material as conduit shall be furnished and installed as required. Threadless couplings may be used only for splicing existing conduit. All conduit splices, where required, shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment in feet in place. Measurements will be made in straight lines along the centerline of the conduit between ends and changes in direction. Vertical conduit will be measured for payment. The vertical distance required for breakaway devices, barrier wall, concrete pedestals, etc., and the depth of any burial will be measured. Changes in direction shall assume

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perfect straight line runs, ignoring actual raceway sweeps.

Basis of Payment. This work will be paid for at the contract unit price per foot for CONDUIT IN TRENCH, CONDUIT PUSHED, or CONDUIT, DIRECTIONAL BORED of the type and size specified.

ITEM 100 - CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 2" DIA.
ITEM 101 - CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, 3" DIA.

CDOT SP 811-1 CONDUIT ATTACHED TO STRUCTURE

Effective: November 12, 2023
Revised: February 5, 2026

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1462, 1533
Standard Drawings: 579, 813

This work shall consist of furnishing and installing conduit, fittings, and accessories as part of a raceway attached to a structure.

Materials. Galvanized rigid steel conduit and PVC coated galvanized rigid steel conduit shall conform to the requirements of Material Specification 1462. Polyvinyl chloride (PVC) conduit shall conform to the requirements of Material Specification 1533. Concrete inserts for conduit attached to structure shall conform to the requirements of Article 1006.13 of the Standard Specifications.

Flexible liquid tight metallic conduit (FLTMC) shall be in accordance with NFPA 70, article 351A, UL 360. FLTMC shall have steel core manufactured of a spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel. For 3/8" through 1-1/4" trade sizes, the core shall be constructed with a square locked steel strip with an integral copper-bonding strip enclosed within the steel convolutions. For 1-1/2" through 4" trade sizes, the core shall be constructed with an interlocked steel strip. All sizes shall accept standard metallic liquid tight fittings. A flame retardant, flexible, grey thermoplastic PVC jacket shall be extruded over the steel core to seal out water, liquids, abrasives, dirt, corrosive fumes and gases, grease, petroleum oils, salt air and spray, and weather. The PVC Jacket shall be resistant to exposure to sunlight UV radiation. The interior shall be smooth metal for easy wiring pulling. The conduit shall have an IP 67 rating with approved end connections. The FLTMC shall be rated for a temperature range of -40° C to +80° C.

The following shall be marked on the outside of the conduit:

1. Manufacturer's name
2. Size of conduit
3. Type of conduit
4. Any other markings required by the NEC

Installation. The Contractor shall exercise care in installing the conduit to ensure that it is smooth, free from sharp bends or kinks, and has the minimum number of bends. Crushed or deformed conduit shall not be accepted. All conduit and fittings shall have the burrs and rough places smoothed, and all conduit runs shall be cleaned and swabbed before installation of electric cables. If cable is not to be installed immediately after cleaning of the conduit, a light weight pulling line such as 1/8" polyethylene line shall be placed in the conduit and shall remain in the conduit for future work

Conduit attached to a structure shall be flush to the structure where possible. Clamps or hangers shall be used at a maximum interval of five feet (5') to hold the conduit rigidly in place. Fittings shall be supplied and installed that are compatible with the conduit in use. Expansion couplings shall be used at locations where the conduit crosses expansion joints in the structure.

Conduit installed under vaulted walks shall be securely attached to the retaining wall by means of galvanized clamps and clamp backs held in place by anchor bolts. Conduit shall be fastened as close to

the underside of the sidewalk as possible, and securing clamps installed every five feet (5'). Conduit shall be continuous through party walls.

Threaded fittings and bends of the same material as conduit shall be furnished and installed as required. Threadless couplings may be used only for splicing existing conduit. All conduit splices, where required, shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment in feet in place. Measurements will be made in straight lines along the centerline of the conduit between ends and changes in direction. Vertical conduit will be measured for payment. The vertical distance required for breakaway devices, barrier wall, concrete pedestals, etc., and the depth of any burial will be measured. Changes in direction shall assume perfect straight line runs, ignoring actual raceway sweeps.

Basis of Payment. This work will be paid for at the contract unit price per foot for CONDUIT ATTACHED TO STRUCTURE, of the type and size specified.

ITEM 102 - CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, 2" DIA.

ITEM 103 - CONDUIT, DIRECTIONAL BORED, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, 3" DIA.

CDOT SP 810-2 UNDERGROUND CONDUIT

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1462, 1533

Standard Drawings: 579, 813

This work shall consist of furnishing and installing conduit, fittings, and accessories as part of a raceway laid in trench, pushed, or directionally bored.

Materials. Galvanized rigid steel conduit and PVC coated galvanized rigid steel conduit shall conform to the requirements of Material Specification 1462. Polyvinyl chloride (PVC) conduit shall conform to the requirements of Material Specification 1533. Coilable non-metallic conduit shall be a high-density polyethylene meeting the requirements of Material Specification 1533. Conduit color shall be as determined by the Resident Engineer. Aluminum conduit shall be rigid wall conduit with a minimum wall thickness of 0.099". The conduit shall be extruded from 6063 aluminum alloy and tempered to T-1. Aluminum conduit shall meet the requirements of UL 6 and ANSI C80.5.

Construction Requirements. Galvanized rigid steel conduit shall be installed in a trench or pushed underground. PVC conduit shall normally be installed in a trench. Coilable conduit shall be installed in a trench for short distances only. The normal installation method for coilable conduit is directional boring. The Contractor shall exercise care in installing the conduit to ensure that it is smooth, free from sharp bends or kinks, and has the minimum practicable number of bends. Crushed or deformed conduit shall not be accepted. All conduit and fittings shall have the burrs and rough places smoothed, and all conduit runs shall be cleaned and swabbed before installation of electric cables. If cable is not to be installed immediately after cleaning of the conduit, a light weight pulling line such as 1/8" polyethylene line shall be placed in the conduit and shall remain in the conduit for future work. The excavation for pushing conduit shall be located at least two feet (2') from the edge of pavement. All underground conduits shall have a minimum cover of thirty inches (30") below grade. If conduit cannot be installed with a minimum cover of thirty inches (30"), the conduit shall be encased in concrete for protection. The method of encasement and protection shall be approved by the engineer. Concrete encasement shall be paid for as a separate pay item.

When multiple conduits are installed in a common trench, no more than three (3) three inch (3") or smaller conduit laterals shall be laid on a single, horizontal level. Four or more conduit laterals shall be installed on two (2) or more levels in accordance with instructions of the Resident Engineer.

Threaded fittings and bends of the same material as conduit shall be furnished and installed as required. Threadless couplings may be used only for splicing existing conduit. All conduit splices, where required, shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment in feet in place. Measurements will be made in straight lines along the centerline of the conduit between ends and changes in direction. Vertical conduit will be measured for payment. The vertical distance required for breakaway devices, barrier wall, concrete pedestals, etc., and the depth of any burial will be measured. Changes in direction shall assume perfect straight line runs, ignoring actual raceway sweeps.

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Basis of Payment. This work will be paid for at the contract unit price per foot for CONDUIT IN TRENCH, CONDUIT PUSHED, or CONDUIT, DIRECTIONAL BORED of the type and size specified.

ITEM 104 - INTERCEPT EXISTING CONDUIT

*** INTERCEPT EXISTING CONDUIT**

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1428
Standard Drawings: Not Applicable

Work under this item shall be performed in accordance with Division 800 of the Standard Specifications, CDOT DEO Standards and the City of Chicago Electrical Code, except as herein modified. This work shall consist of intercepting an existing conduit or conduits for the purpose of installing a new foundation, a new manhole or handhole, or making a connection to a new conduit.

Construction. The contractor shall carefully cut the conduit so that the cut conduit ends will be flush with the inside walls of the new manhole or handhole. Where existing cables are in service in the conduit(s) being intercepted, conduit(s) shall be carefully split so that all working cables are not interrupted. If conduit(s) are concrete encased, such concrete shall be removed as required. Any concrete encasement damaged during installation shall be restored as needed.

If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Basis of Payment. This work will be paid for at the contract unit price per each for INTERCEPT EXISTING CONDUIT.

Method of Measurement. This work will be measured on a per each basis for each conduit intercepted.

Basis of Payment. This work will be paid for at the contract unit price per each for INTERCEPT EXISTING CONDUIT, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 105 - CONCRETE FOUNDATION FOR BASE MOUNTED "P" OR "SUPER P" CABINET

*** FOUNDATION, CONCRETE, SIGNAL CABINET**

Effective: March 23, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1465, 1467, 1533

Standard Drawings: 888, 888A

This work shall consist of furnishing and installing a concrete foundation for a "P" or "Super P" traffic signal cabinet. The foundation shall be poured in place and be complete with anchor rods, raceways, and grounding.

Materials. Concrete shall be Portland cement concrete, Class SI, meeting the requirements of Section 1020 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC). Ground rods shall meet the requirements of Material Specification 1465. Conduit shall be PVC meeting the requirements of Material Specification 1533. Anchor rods shall meet the applicable requirements of Material Specification 1467.

Construction Requirements. The Contractor shall install a concrete foundation for a base mounted traffic signal controller cabinet, as shown on City of Chicago Drawing Number 888 for a "P" cabinet, or as shown on Drawing 888A for a "Super P" cabinet. Work under this item shall be performed in accordance with Section 800 of the SSRBC.

The foundation shall have a minimum depth of at least forty inches (40") below grade and shall have large radius conduit elbows in quantity, size and type shown. The elbow ends above ground shall be capped with standard conduit bushings. The ground rod shall be installed adjacent to the foundation and shall be driven straight down with the top to be no higher than 30 inches below finished grade. The Contractor shall furnish anchor bolts, hardware, conduit elbows, and all other material shown on the foundation construction drawing.

All excavation shall be considered as part of this item. If the foundation is in sidewalk, an expansion joint shall be required between the sidewalk and the foundation and will be included in the cost of this item. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Basis of Payment. This work will be paid for at the contract unit price per each for CONCRETE FOUNDATION FOR TYPE "SUPER P" BASE MOUNTED TRAFFIC SIGNAL CONTROLLER CABINET, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

**ITEM 106 - CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON
RECEPTACLE, OR STREET LIGHTING CONTROLLER**

*** CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE,
OR STREET LIGHTING CONTROLLER**

Effective: March 17, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1465, 1467, 1533
Standard Drawings: 876

This work shall consist of constructing a lighting controller foundation.

Materials. Concrete shall be Portland cement concrete, Class SI , meeting the requirements of Section 1020 of the IDOT Standard Specifications for Road and Bridge Construction (SSRBC). Ground rods shall meet the requirements of Material Specification 1465. Conduit shall be PVC meeting the requirements of Material Specification 1533. Anchor rods shall meet the applicable requirements of Material Specification 1467.

Construction Requirements. The Contractor shall install a concrete foundation for a base mounted lighting controller cabinet, as shown on City of Chicago Drawing Number 876. Work under this item shall be performed in accordance with Section 800 of the SSRBC.

The foundation shall have a minimum depth of at least forty inches (40") below grade and shall have large radius conduit elbows in quantity, size and type shown. The elbow ends above ground shall be capped with standard conduit bushings. The Contractor shall furnish anchor bolts, hardware, conduit elbows, and all other material shown on the foundation construction drawing.

All excavation shall be considered as part of this item. If the foundation is in sidewalk, an expansion joint shall be required between the sidewalk and the foundation and will be included in the cost of this item. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Basis of Payment. Lighting controller foundations will be paid for at the contract unit price per each for CONCRETE FOUNDATION FOR BASE MOUNTED IRRIGATION, FESTOON RECEPTACLE, OR STREET LIGHTING CONTROLLER.

ITEM 107 - CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE
ITEM 108 - CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE
ITEM 109 - CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE
ITEM 110 - CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE

*** CONCRETE FOUNDATIONS**

Effective: March 17, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1465, 1467, 1533

Standard Drawings: 565, 709, 816, 817, 818, 937A, 953, 956

This work shall consist of furnishing and installing a concrete foundation to support a light pole, traffic signal pole, traffic signal post, or other pedestal mounted equipment. The foundation shall be poured in place and be complete with reinforcement, anchor rods, raceways, and grounding, as shown in the Standard Drawings referenced below.

Pay Item	Standard Drawing	Usage
Concrete Foundation, 20" Diameter, 3/4" Anchor Rods, 13" Bolt Circle, 5 Feet	709	traffic signal post
Concrete Foundation, 24" Diameter, 1 1/4" Anchor Rods, 15" Bolt Circle, 7 Feet	818	arterial light poles
Concrete Foundation, 24" Diameter, 1 1/4" Anchor Rods, 15" Bolt Circle, 9 Feet	818	traffic signal poles with 16', 20' or 26' mast arms
Concrete Foundation, 30" Diameter, 1 1/4" Anchor Rods, 17 1/4" Bolt Circle, 9 Feet	816	traffic signal poles with 30' mast arm
Concrete Foundation, 30" Diameter, 1 1/2" Anchor Rods, 16 1/2" Bolt Circle, 11 Feet	817	traffic signal poles with 35', 40' or 44' mast arms

Materials. Concrete shall be Portland cement concrete meeting the requirements of Section 1020 of the IDOT Standard Specifications for Road and Bridge Construction for Class SI concrete. Anchor rods shall meet the requirements of Material Specification 1467. Ground rods shall meet the requirements of Material Specification 1465. Conduit shall be PVC and meet the requirements of Material Specification 1533.

Construction Requirements. The top surface of foundation shall be at an elevation of two inches above grade or as directed by the Resident Engineer. Care shall be taken to install a level foundation and to ensure adequate anchor rod projections for double nut installation. The foundation top shall be chamfered 3/4 of an inch. The foundation shall be centered back from the face of the curb in accordance with dimensions shown on the construction plans. When the foundation is in a solid sidewalk area, the foundation shall be installed level, with the height of the foundation as close to the height of the sidewalk as possible, or as directed by the Engineer. An expansion joint shall be installed between the sidewalk and the foundation.

Anchor rods shall be set in accordance with applicable Standard Drawing so that when poles are installed on the foundations, the mast arms are oriented as shown in the plans. The anchor rods shall be set by means of a metal template which shall be submitted for approval before any foundation work is begun. The template must hold the rods vertical, and in proper position.

Foundation raceways shall consist of large radius conduit elbow(s) in quantity, size and type specified in the applicable Standard Drawing or as indicated in the plans. Elbow ends above ground shall be capped with standard conduit bushings.

If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately.

Method of Measurement. Concrete foundations will be measured for payment in feet in place, as designated in the contract. Offset foundations will be measured along the vertical and horizontal centerlines of the foundation without overlap.

Basis of Payment. This work will be paid for at the contract unit price per foot for CONCRETE FOUNDATION, of the diameter and bolt circle specified.

ITEM 111 - ELECTRICAL CABLE IN CONDUIT, 600V 1/C NO. 4
ITEM 112 - ELECTRICAL CABLE IN CONDUIT, 600V 1/C NO. 2
ITEM 113 - ELECTRICAL CABLE IN CONDUIT, 600V 1/C NO. 2/0
ITEM 114 - ELECTRICAL CABLE IN CONDUIT, 600V, 2/C NO. 4

CDOT SP 817-1 ELECTRIC CABLE IN CONDUIT, 600V

Effective: March 16, 2024
Revised: August 2, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1534
Standard Drawings: None Applicable

This work shall consist of furnishing and installing electric cable as specified in raceways, complete with all splicing, identifications, and terminations.

Materials. Cable shall meet all requirements of Material Specification 1534.

Construction Requirements. All cables shall be installed with care to prevent damage to the cable. Any defects found in the cable shall be reported to the Resident Engineer. Damaged cable shall be replaced.

Cable shall be pulled into the conduit with a minimum of dragging on the ground or pavement. This shall be accomplished by means of reels mounted on jacks or other suitable devices located for unreeling cable directly into duct. Lubricants shall be used to facilitate installation if deemed necessary by the contractor.

Bends in the cable shall conform to the recommended minimum radii as outlined in the National Electric Code.

Cable passing through manholes shall be trained and racked around the sides of the manhole into a permanent position. If racks are non-existent or in poor condition, the contractor shall install racks. Installation of racks will be paid for as INSTALL RACK IN HANDHOLE OR MANHOLE.

Where cable runs continue from manhole to manhole without tapping within a light pole, cable shall be continuous without splices unless authorized by the Resident Engineer.

All cable within the distribution panels and control cabinets shall be properly trained and have sufficient slack provided for any rearrangement of equipment or future additions. There shall be at least two feet of slack in a street light pole base or street light controller base. A handhole shall have at least five feet of slack and a manhole, at least ten feet of slack.

Method of Measurement. The length of cable furnished and installed will be measured per foot as the length of conduit plus three feet for cable entering and leaving a light pole or street light control cabinet, plus any slack in manholes or handholes.

Basis of Payment. This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, 600V of the size specified.

ITEM 115 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
ITEM 116 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
ITEM 117 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10C
ITEM 118 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C
ITEM 119 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 8C
ITEM 120 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 6C

CDOT SP 873-1 ELECTRIC CABLE IN CONDUIT, SIGNAL

Effective: June 5, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1475, 1537, 1641

Standard Drawings: None

This work shall consist of furnishing and installing electric cable for traffic signals of the type, size and number of conductors as specified on the plans. The cable shall be rated 600 volts and comply with the following requirements.

Materials. Harness cable shall conform to the requirements of Material Specification 1475. Ten (10), nineteen (19), and twenty-two (22) conductor cable shall conform to the requirements of Material Specification 1537. Shielded conductors for railroad preemption circuits, pedestrian actuate push button circuits, and other traffic signal related circuits shall conform to the requirements of Material Specification 1641.

Installation. All cable shall be installed in conduit, as indicated on the plans, with care to prevent damage to the insulation or cable. Suitable devices shall be used in pulling the cable, and only approved lubricants should be used. All cables installed in conduit shall be from the power source to the traffic signal controller cabinet, from the traffic controller cabinet to the traffic signal junction box, or from junction box to junction box. For cable terminating in a traffic signal controller cabinet or traffic signal junction box the following procedures shall be followed:

Controllers.

1. Remove thirty-six inches (36") of neoprene jacket.
2. Wrap vinyl electrical tape on two inches (2") of the neoprene jacket and two inches (2") on the exposed conductors.
3. Remove one inch (1") of insulation and scrape copper conductor.
4. Train cables neatly along the base and back of cabinet.
5. Connect conductors to proper terminal lugs.

Traffic Signal Junction Box.

1. Remove twenty-four inches (24") of neoprene jacket.
2. Wrap vinyl electrical tape on two inches (2") of neoprene jacket and two inches (2") on the exposed conductors.

3. Remove one inch (1") of insulation and scrape copper conductor.
4. Train cables neatly along the side and back of the box.

Connect all conductors to terminal strip.

Cable Slack.

The length of cable slack that shall be provided shall be in accordance with the following schedule:

Location	Length of Slack Cable (feet)
Base of Controller	7
Detector, Junction Box	1
Base of Traffic Signal Post or Traffic Signal Pole	4
City Handhole	6
City Manhole	12
ComEd Manhole	25

Cable slack in manholes and handholes shall be trained and racked in the holes. If racks are non-existent, racks shall be provided, and are included in the cost of this pay item.

No cable splices shall be allowed for traffic signal cable, with the exception of 7 conductor interconnect cable. These splices shall be as indicated on the plans.

Method of Measurement. The length of measurement shall be the distance horizontally measured between changes in direction and shall include cable slack. All vertical cables shall not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, SIGNAL of the size indicated.

ITEM 121 - ELECTRIC CABLE NO 12, 2/C (SHIELDED)

Description. This work will consist of furnishing and installing a shielded lead-in cable.

Material. The cable shall be rated 600 Volts, 90° Centigrade wet and dry. The cable will have soft annealed tinned copper conductors with a PVC insulation and a PVC jacket overall with an appropriate shield. The cable will be equal to that manufactured by Belden, for instrumentation/ process control tray cable, Part No. 9343, or an approved equal.

Installation for Loop Detector. The contractor will install the cable from the existing traffic controller to the manhole/ hand hole as indicated on the contract plan drawing or as directed by the Commissioner. The contractor shall splice the cable to the detector loop cable in the manhole or handhole. The other end of the cable shall be terminated at the controller.

Cable Slack.

The length of cable slack that shall be provided will be in accordance with the following schedule:

Location	Length of Slack Cable (feet)
Base of Controller	7
Detector, Junction Box	1
Base of Traffic Signal Post or Traffic Signal Pole	4
City Handhole	6
City Manhole	12
Commonwealth Edison Manhole	25

Cable slack in manholes/handholes shall be trained and racked in the holes. If racks are nonexistent, racks shall be provided and considered included in the contract unit price of this pay item. No additional compensation will be allowed.

Method of Measurement. The measurement shall be in linear feet of measured horizontally, between changes in direction, from the controller cabinet to the handhole/manhole where the splice onto the loop wires is made. Slack cable will be included; vertical measurements will not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per foot for ELECTRIC CABLE NO 12, 2/C (SHIELDED), which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 122 - ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND

**CDOT SP 817-2 ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8
GROUND**

Effective: March 16, 2024

Revised: August 2, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1534

Standard Drawings: None Applicable

This work will consist of furnishing and installing triplex electric cable in raceways, complete with all splicing, identifications, and terminations.

Materials. Cable shall conform to the requirements of Material Specification 1534.

Construction Requirements. All cables shall be installed with care to prevent damage to the cable. Any defects found in the cable shall be reported to the Resident Engineer. Damaged cable must be replaced.

Cable shall be pulled into the conduit with a minimum of dragging on the ground or pavement. This will be accomplished by means of reels mounted on jacks or other suitable devices located for unreeling cable directly into duct. Lubricants must be used to facilitate installation if deemed necessary by the contractor.

Bends in the cable shall conform to the recommended minimum radii as outlined in the National Electric Code.

Cable passing through manholes shall be trained and racked around the sides of the manhole into a permanent position. If racks are non-existent or in poor condition, the contractor shall install racks. Installation of racks will be paid for as INSTALL RACK IN HANDHOLE OR MANHOLE.

Where cable runs continue from manhole to manhole without tapping within a light pole, they shall be continuous without splices unless authorized by the Resident Engineer.

Cable installation shall be color coded so that each lead of all circuits may be easily identified, and lighting units connected to the proper leg as indicated on the plans. The equipment grounding conductor (no. 8) must be color coded green.

All cable within the distribution panels and control cabinets shall be properly trained and have sufficient slack provided for any rearrangement of equipment or future additions.

There shall be at least three feet of slack in a street light pole base or street light controller base. A handhole shall have at least five feet of slack and a manhole at least ten feet of slack.

Method of Measurement. The length of triplex cable furnished and installed will be measured as the length of conduit plus three feet for cable entering and leaving a light pole or street light control cabinet, plus any slack in manholes or handholes.

Basis of Payment. This work shall be paid for at the contract unit price per foot for CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6, 1-1/C NO. 8 GROUND.

ITEM 123 - ELECTRIC CABLE, AERIAL, 3-1/C, NO 2

Description. This item will consist of furnishing and installing an electrical cable, designed for and designated 'self supporting', consisting of two insulated color coded conductors spirally wrapped around one bare conductor. The cable will be strung between poles and attached to cable supports on these poles. The conductors will be connected to other wires or cables for the purpose of extending electric power from a Commonwealth Edison Company power pole to a City electric power pole as shown on the plans, as specified herein, or as directed by the Commissioner.

Material. The material shall meet the requirements of Material Specification 1432.

Installation Requirements. The cable shall be installed with a nominal tension adequate to produce sag of approximately 9 inches in a 60 ft. span. The cable shall be attached to a line pole by means of a suitable clamp which holds the neutral conductor. The clamp shall be supported by a clamp support device appropriate for the type of pole in use. The cable shall be dead ended at the City pole, and shall be dead ended at the Commonwealth Edison Company pole. Ten feet of additional cable shall be coiled and attached to the Commonwealth Edison Company pole for final connections.

Method of Measurement. This work will be measured per foot of cable installed.

Basis of Payment. This work will be paid for at the contract unit price per foot for furnishing and installing ELECTRIC CABLE, AERIAL, 3-1/C, NO. 2 of the size indicated on the plans, which will be payment in full for furnishing and installing this cable, including cable clamps and dead end devices, which will be considered included in the contract unit price of this item.

MATERIAL SPECIFICATION
1432

ITEM 124 - ELECTRIC CABLE, AERIAL, 1/C, NO 6

Description. This item will consist of furnishing and installing electrical wire strung between poles, attached to secondary wire racks on the poles, and connected to other wires or cables for the purpose of extending street lighting circuits as shown on the plans, as specified herein, or as directed by the Commissioner.

Materials. The material shall be single conductor #6 AWG aerial wire meeting the requirements of Material Specification 1441 for medium hard-drawn copper aerial wire.

Installation Requirements. The wire shall be installed with a nominal tension of 150 pounds to produce a sag of approximately 6 inches in an 85-foot span. Through wire shall be attached to the side of the insulator away from the pole and secured with four turns of a tie wire close wrapped. Dead- ends shall have two wraps of the wire around the insulator and then six close turns of the wire around the wire under tension, or by the use of an approved automatic bail dead-end device. Where necessary, wire lengths will be spliced together by means of an approved automatic wedge-type, straight line splicing device. Each splice shall be given two wrappings of friction tape and coated with insulating paint. Connections to lamp leads, or other conductors not under tension, shall be made with approved split-bolt connectors and wrapped with three layers of half-lapped of plastic, electrical tape and coated with insulating paint.

Method of Measurement. This work will be measured for payment in units of feet installed in place and connected.

Basis of Payment. This work will be paid for at the contract unit price per foot for ELECTRIC CABLE, AERIAL, 1/C, NO. 6, installed in place and connected, which price will be payment in full for furnishing, installing and connecting #6 AWG aerial line wire in place.

ITEM 125 - FURNISH ATC CONTROLLER

ITEM 126 - FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET

Description. This work will consist of furnishing an Advanced Transportation Controller (ATC) with a battery powered back-up system and associated equipment in a cabinet or furnishing an ATC and associated equipment to be placed in an existing cabinet.

Material. The material shall meet the requirements of Material Specification 1560.

Procurement. The DEO will approve the purchase of the material from a supplier. Final material approval will be made in accordance with DEO specifications. The Contractor must provide proof of purchase to the Resident Engineer within seven (7) days following approval by the DEO. Payment will be withheld in accordance with the terms and conditions of this contract, until such time that the Commissioner determines the requirements are met.

The controllers and cabinets will be stored at a facility approved by the Commissioner, at the contractor's expense.

Basis of Payment. This work shall be paid for at the contract unit price per each for FURNISH ATC CONTROLLER or FURNISH CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET.

MATERIAL SPECIFICATION
1560

DRAWING
962

ITEM 127 - INSTALL ATC CONTROLLER IN EXISTING CABINET

ITEM 128 - INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET

Description. This work will consist of installing an Advanced Transportation Controller (ATC) with a battery powered back-up system and associated equipment in a cabinet onto a foundation and making all necessary connections or installing an ATC and associated equipment in an existing cabinet.

The controller will be programmed to provide the sequencing and timing of operation as shown on the plans. The traffic signal timing schedules are included in Appendix B of these specifications.

Material. The material shall meet the requirements of Material Specification 1560.

The Contractor shall submit six (6) copies the following documents at the Pre-Construction Meeting:

- 1) Request for Inspection of Material Form
- 2) Cabinet Drawings
- 3) Wiring Diagrams
- 4) Timing "knockout" Sheets
- 5) Test Procedure Document
- 6) Intersection Turn-On Inspection Traffic Control Plans (Including use of Traffic Control Aides).

Procurement. The contractor must provide Request for Inspection of Material forms for traffic signal controllers and cabinets as requested for specific projects. The DEO will review and comment on the submitted material.

The controllers and cabinets are to be delivered to the DEO within seven (7) days of the issuance of the work order. If the controllers and cabinets are not delivered, payment will be withheld until such time that the controllers and cabinets are delivered.

The DEO will notify the Contractor when the material has been inspected and approved. If a railroad interconnect is involved, a representative from the Illinois Commerce Commission will also need to review and inspect the controller at the DEO's facilities. Within forty-eight (48) hours of notification, the Contractor will pick-up the controllers and cabinets from DEO.

Installation. The controller will be programmed to provide the sequencing and timing of operation as shown on the plans. The controller must be enclosed in a housing and installed in a completely wired cabinet. The model and serial numbers of the controller must be affixed on the front of the controller housing and be readily visible.

The cabinet must be set onto a pad foundation designed specifically for the cabinet, and affixed with bolts provided with the foundation. Electric cables inside the cabinet must be neatly trained along the base and back of the cabinet. Each conductor used must be connected individually to the proper terminal, and the spare conductors must be insulated and bound into a neat bundle. Each cable must be marked with suitable identification and recorded on a copy of the plans for the intersection and submitted to the Engineer. Signal indications for each direction must be wired to a separate circuit whether or not the signal plans call for a split movement. The absolute zero for the time-base coordinator will be set in the field by City personnel after obtaining the appropriate City time-tone reference.

When properly installed, all signals will be connected and controlled by the controller, and the sequencing and timing of the signals will be as set forth in the plans. All conduit entrances into the cabinet must be sealed with a pliable waterproof material to restrict moisture entrance into the cabinet.

DEO and Office of Emergency Management and Communications (OEMC) personnel must be present during the cutover to the new control equipment. If a railroad interconnect is part of the signal project, a representative from the Illinois Commerce Commission must be invited to be present for the cutover.

The foundation for the controller and cabinet shall be constructed in accordance with BOE DEO Standard Drawing 888A, which shall be paid for separately.

When properly installed, all signals will be connected and controlled by the controller, and the sequencing and timing of the signals will be as set forth in the plans, or as directed by the Commissioner.

All conduit entrances into the cabinet shall be sealed with a pliable waterproof material to restrict moisture entrance into the cabinet.

One copy of the following documentation shall be stored in the cabinet in a weather proof container:

- 1) Traffic Signal Plan
- 2) As – Built Cabinet Drawings
- 3) As – Built Wiring Diagrams
- 4) Timing “knockout” Sheets
- 5) Certification Document
- 6) Warranty Document

Turn-On Inspection: The Contractor shall request a turn-on date at least two (2) weeks in advance. Forty-eight (48) hours prior to the turn on, the Resident Engineer (CDOT), DEO representative, and the Contractor shall walk the site to confirm the intersection is complete.

The Contractor shall provide Office of Emergency Management, Traffic Control Aides (TCA) during the turn-on inspection to control traffic in accordance with the approved intersection traffic control plans. A minimum of two (2) Traffic Control Aides will be required for each traffic signal turn on. Additional Traffic Control Aides may be required by the Commissioner dependent upon the complexity of the intersection. The cost of all Traffic Control Aides will be included in the cost of this item and no additional compensation will be allowed. The fees for the Traffic Control Aides will be paid by the Contractor to the Office of Emergency Management and Communication at the time the Public Way Permit is obtained in City Hall Room 905.

Following parties shall be at the Traffic Signal Turn-on Inspection:

1. Manufacturer’s Representative
2. Contractor’s qualified electrical representative and construction superintendent.
3. Division of Electrical Operations (DEO) Personnel
4. CDOT Resident Engineer
5. OEMC – Traffic Management Authority
6. OEMC – Traffic Control Aides

The controller shall be turned-on by City personnel. Under no circumstance whatsoever can the Contractor not turn on the new controller. The new controller shall not be used for temporary control of the intersection at any time. Failure to comply with this section will result in cancellation of the Traffic Signal Turn on Inspection, and will be considered a TRAFFIC CONTROL DEFICIENCY, the Contractor will be charged in accordance with the item TRAFFIC CONTROL AND PROTECTION.

Failure to complete the turn-on inspection successfully on the day scheduled due to errors or omission by the Contractor or Manufacturer will be consider a Traffic Control Deficiency and charges will be applied to this contract daily until such time the signal is operational in accordance with the contract documents. All costs associated with additional Traffic Signal Turn-on Inspections, including Traffic Control Aides, shall be paid by the Contractor.

Field Test Procedures by Division of Electrical Operations (DEO):

The Field Test Procedures by the Division of Electrical Operations (DEO) at the Traffic Signal Turn – on inspection will include but not be limited to the following:

1. Switches:

- A. Test auto flash, manual, signal on and off switch.
- B. Test manual auto switch with push button to test manual advance.
- C. Test cabinet light switch and fan thermostat, and set thermostat for operation.

2. Controller:

- A. Check signal plan and timing programs.
- B. Check offset programming and install time tone reference.
- C. Check time of day and clock program, set controller to correct time if necessary.

3. Cabinet:

- A. Check flash operation.
- B. Check field conflicts.
- C. Check all auxiliary equipment video, pedestrian interconnect packages and coordination packages for proper operation.
- D. Check field terminals and fuse holders for damage and that they are secure.
- E. Check exterior and door or damage and door locks are operating properly.
- F. Check for one copy of cabinet documentation.

Basis of Payment. This work shall be paid for at the contract unit price per each for INSTALL ATC CONTROLLER IN EXISTING CABINET or INSTALL CONTROLLER, ATC, TRAFFIC, 16 LOAD BAY, SUPER P CABINET, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

MATERIAL SPECIFICATION
1560

DRAWING
962

ITEM 129 - FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM

Description. This work will consist of furnishing an aluminum cabinet to be mounted on a ballast housing base, and containing various electro mechanical devices to automatically control street lighting circuits.

Material and Assembly. The aluminum controller cabinet and electro-mechanical control devices must meet the requirements of Material Specification 1606.

The electro mechanical devices within the cabinet must be attached to a 3/8 inch thick phenolic, linen base, bakelite panel drilled to accommodate the various devices with allowable clearances, and secured in the cabinet with 5/16" 18 NC x 7/8" stainless steel machine screws, as per Drawing 984. The circuit breakers, single pole, two pole, or three pole must meet the requirements of Material Specification 1428.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for this item. The contractor shall confirm the required voltage with the Commissioner before submitting the order.

The controller and all associated hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Basis of Payment. This work will be charged for at the contract unit price per each for FURNISH CONTROLLER, BASE MOUNTED, STREET LIGHT, 200A – SMART LIGHTING SYSTEM of the proper phase, amperage, and color as noted in plans and will be payment in full for furnishing the controller complete in place.

MATERIAL SPECIFICATION
1375
1428
1606

DRAWING
880
983
984

ITEM 130 - INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200 A, SMART LIGHTING SYSTEM

Description. This work will consist of installing an aluminum cabinet to be mounted on a ballast housing base, and containing various electro mechanical devices to automatically control street lighting circuits, and to provide protection for the equipment so controlled. Controller is to provide constant power.

The controller will have the appropriate service capability and correct number of circuits as specified in the plans.

Material and Assembly. The aluminum controller cabinet and electro-mechanical control devices must meet the requirements of Material Specification 1606.

Installation. The controller must be wired as shown on Drawing 983. The main circuit breaker must have a 200 ampere rating, and the branch circuit breakers must be as indicated on the plans. For grounding the cabinet, a bare copper wire, #4 AWG, must be attached from the ground lug in the cabinet to the grounding clamp on the ground rod.

The cabinet must be installed on a ballast housing base, 20 inches in height secured to a concrete foundation as shown on Drawing 880, at the location indicated on the plans. The ballast housing base must meet the requirements of Material Specification 1375. The ballast housing must be part of this pay item. The foundation, including anchor rods, washers, and nuts will be a separate pay item.

The installation of feeder cables and branch circuit cables will be performed in a neat and workmanlike manner with all cable trained around the cabinet, secured to the proper terminals and identified either by tagging of the cables, or by identification of the branch breakers, all as part of the controller installation and not as a separate pay item. The lighting circuit will be placed in operation as soon as practicable with the Contractor being charged for the energy until the circuits are accepted by the City of Chicago, Division of Engineering.

Basis of Payment. This work will be charged for at the contract unit price per each for INSTALL CONTROLLER, BASE MOUNTED, STREET LIGHT, 200A – SMART LIGHTING SYSTEM of the phase, amperage, and color noted in plans and will be payment in full for installing the controller complete in place.

MATERIAL SPECIFICATION
1375
1428
1606

DRAWING
880
983
984

ITEM 131 - FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 7 GAUGE, 34'-6"
ITEM 132 - FURNISH POLE, STEEL, ANCHOR BASE, 10" DIAMETER, 3 GAUGE, 34'-6"
ITEM 133 - FURNISH POLE, STEEL, ANCHOR BASE, 11" DIAMETER, 3 GAUGE, 34'-6"
ITEM 134 - FURNISH POLE, STEEL, ANCHOR BASE, 12.5" DIAMETER, 3 GAUGE, 34'-6"

Description. This item consists of furnishing a steel anchor base pole to support street light and traffic signal systems.

Material. The material of the pole shall meet the requirements of Material Specification 1447.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for this item. The pole and all associated hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. This item will be measured per each unit furnished with anchor bolt covers, pole cap, and handhole cover.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH POLE, STEEL, ANCHOR BASE, of the diameter and gauge specified, 34'-6" which will be payment in full for furnishing the pole and all associated hardware. Light standard foundations, mast arms, and luminaires will not be included in this pay item but will be paid for separately.

MATERIAL SPECIFICATION
1447

DRAWING
837 827
808 824

ITEM 135 - INSTALL POLE, STEEL, ANCHOR BASE, 10" DIAMETER

ITEM 136 - INSTALL POLE, STEEL, ANCHOR BASE, 11" OR 12" DIAMETER

Description. This item consists of installing and setting plumb a steel anchor base pole to which equipment may be attached for the extension of the City street light and traffic signal systems.

Material. The material of the pole shall meet the requirements of Material Specification 1447.

Installation. The pole shall be installed on the concrete foundation designed for the particular pole usage as indicated on the Plans or as directed by the Engineer. Double nut construction shall be used as shown on Drawing 837. Double nut construction provides the proper ventilation, as well as providing a way to plumb the pole. Any exposed portions of anchor rods extending above the nuts which interfere with the installation of the bolt covers shall be cut off to provide the necessary clearance. The excess shall not be burned off. The pole shall be set secure, properly orientated, and plumb using the nuts and washer provided with the anchor bolts. The bolt covers, handhole cover, and pole cap shall be securely attached.

The contractor shall utilize non-abrasive slinging materials and shall otherwise exercise due care in erecting the pole and mast arm to minimize any possible damage to the finish. When necessary, the contractor shall utilize, at his own expense, factory approved touch-up materials and methods to restore the finish to like new appearance and durability.

Method of Measurement. This item will be measured per each unit installed, complete with anchor bolt covers, pole cap, and handhole cover.

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL POLE, STEEL, ANCHOR BASE, of the diameter and gauge specified, 34'-6", which will be payment in full for installing the pole complete in place. Light standard foundations, mast arms, and luminaires will not be included in this pay item but will be paid for separately.

MATERIAL SPECIFICATION
1447

DRAWING
837 827
808 824

ITEM 137 - FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 15 FT
ITEM 138 - FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 17 FT
ITEM 139 - FURNISH TRAFFIC SIGNAL POST, ALUMINUM, 20 FT

Description. This item consists of furnishing an aluminum post, for supporting a traffic signal, upon a concrete foundation, at the location shown on the Plans, as specified herein, or as directed by the Commissioner.

Materials. The material of the post shall meet the requirements of Material Specification 1385 and Standard Drawing Number 526.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for this item. The post and all associated hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. This work will be measured per each post furnished complete.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH TRAFFIC SIGNAL POST, ALUMINUM, of the size specified which will be payment in full for furnishing the post complete.

MATERIAL SPECIFICATION
1385

DRAWING
526

ITEM 140 - INSTALL TRAFFIC SIGNAL POST, ALUMINUM

Description. This item consists of installing an aluminum post, for supporting a traffic signal, upon a concrete foundation, at the location shown on the Plans, as specified herein, or as directed by the Commissioner. The post installation itself shall be consistent in construction to the post shown on Drawing Number 526 for the installation of a post for a traffic signal.

Materials. The material of the post shall meet the requirements of Material Specification 1385 and Standard Drawing Number 526.

Installation. The post shall be mounted on the foundation so that the handhole faces away from the curb. The nuts on the foundation shall be tightened to secure the post to the foundation such that there is no space separating the post from the foundation. There shall be no double nutting. The post shall be plumb and the use of shims will not be permitted. The post cap shall be secured by three 5/16"-18 X3/4" hex head stainless steel set screws.

The height of the post shall be as indicated on the Plans.

Method of Measurement. This work will be measured per each post installed complete in place.

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL TRAFFIC SIGNAL POST, ALUMINUM, of the size specified, which will be payment in full for installing the post complete in place.

MATERIAL SPECIFICATION
1385

DRAWING
526

ITEM 141 - FURNISH PEDESTRIAN PUSH BUTTON POST

Description. This item will consist of furnishing a steel post, for supporting a push button for pedestrian traffic, in a concrete sidewalk.

Materials. The post will be three inch (3") galvanized rigid steel conduit meeting the requirements of Material Specification 1462. The top of the post will be threaded for a length of two inches (2"). The bottom of the post will be threaded for a length of three and one-half inches (3.5"). A threaded conduit cap will be provided for the top. The base material will consist of a three and one-half inch (3.5") length of threaded conduit coupling circumferentially welded to a base plate. The base plate will be dimensioned as shown on Standard Drawing 963. The base plate will be made of a high strength low alloy steel meeting the requirements of ASTM A595, Grade A. The post, base, and cap shall be powder coated black. Post threads shall not be painted.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for this item. The post and all associated hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. This work will be measured per each unit furnished, complete with anchors, nuts, base, steel pipe, and post cap. Concrete work, wiring, and push buttons will not be included in this item.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH PEDESTRIAN PUSH BUTTON POST, which will be payment in full for furnishing the post complete.

MATERIAL SPECIFICATION
1462

DRAWING
963

ITEM 142 - INSTALL PEDESTRIAN PUSH BUTTON POST

Description. This item will consist of installing a steel post, for supporting a push button for pedestrian traffic, in a concrete sidewalk, at the location shown on the plans, or as directed by the Engineer. The post installation itself shall be consistent in construction to the post shown on Drawing Number 963, "Pedestrian Push Button Post".

Materials. The post will be three inch (3") galvanized rigid steel conduit meeting the requirements of Material Specification 1462.

Installation. A hole shall be drilled into the post at the proper height and location for the pedestrian push button wiring. The post shall be screwed into the base. The post may be tack welded to the base to insure the two parts do not loosen. The post and base shall be mounted in the sidewalk using a minimum of 1/2" concrete anchors of the appropriate length. (Please note that cable shall be pulled into the post before the post is mounted to the sidewalk.) The nuts on the rods shall be tightened to secure the post to the sidewalk such that there is no space separating the post from the sidewalk. There shall be no doublenutting. The post shall be plumb; the use of shims will not be permitted. The post cap shall be secured by screwing into the top of the pipe. After the post is erected, the Engineer will determine if touch-up paint is required.

Method of Measurement. This work will be measured per each unit installed, complete with anchors, nuts, base, steel pipe, and post cap. Concrete work, wiring, and push buttons will not be included in this item.

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL PEDESTRIAN PUSH BUTTON POST, which will be payment in full for installing the post complete in place.

MATERIAL SPECIFICATION
1462

DRAWING
963

ITEM 143 - FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION
ITEM 144 - FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION
ITEM 145 - FURNISH SIGNAL HEAD, POLYCARBONATE, LED, BIKE, 3-SECTION
ITEM 146 - FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION
ITEM 147 - FURNISH SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION

Description. This item consists of furnishing a traffic signal head or combination of signal heads for installation on a street light pole, a traffic signal pole, a traffic signal post, a bridge beam, CTA beams and columns, or a traffic signal monotube mast arm, as shown on the Plans, as specified herein, or as directed by the Commissioner.

The type of installation shall be as indicated on the Plans. The number of signal faces, the number of signal sections in each signal face, any dual-indication sections, and the method of mounting shall be as indicated in the Plans and in the Standard Drawings.

Head, Signal Materials. The signal head materials shall meet the requirements based on mounting type as specified in the plans. All equipment shall be black.

Bracket Mounted: The traffic signal head shall meet the requirements of Material Specification 1493. The mounting brackets shall meet the requirements of Material Specification 1495. Bike signals shall have bike RED BICYCLE, YELLOW BICYCLE, and GREEN BICYCLE indication per MUTCD. Single face signal head shall have a vertical bar per MUTCD 8C-3.

Structure Mounted: The traffic signal must meet the requirements of Material Specification 1493 for LED signals. Bike signals and Bus signals shall have bike symbol and bus symbol as shown in plans. LED Signal Modules internal masks shall be GE GTx or equivalent.

Mast Arm Mounted: The traffic signal head construction shall meet the requirements of Material Specification 1493 for a "Traffic Signal: Twelve-Inch, Three or Single Section; One-Way, for a non-programmed signal. Bike signals shall have bike RED BICYCLE, YELLOW BICYCLE, and GREEN BICYCLE indication per MUTCD. Single face signal head shall have a vertical bar per MUTCD 8C-3.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal heads and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Mounting Hardware Requirements. The signals shall be mounted as specified in the plans.

Bracket Mounted:

- The signals shall be mounted using pole mounting brackets meeting Material Specification 1495, banded to the pole with two strips of 3/4" stainless steel banding single wrapped, one at the top and one at the bottom of the brackets, each secured with a stainless steel banding clip. The banding and clips shall be coated with a baked-on black finish. The mounting configuration connecting the signals to the mounting bracket shall consist of sections of 1 1/2" polycarbonate conduit of precise lengths, as indicated on the standard drawing, to create the designated structure, connected with cross fittings per Standard Drawing 741.

Structure Mounted:

- The signals must be mounted to existing beams as shown on plan details using "C" clamps and Unistrut hardware, or as directed by the Commissioner.

Mast Arm Mounted:

- The signal shall be mounted on the mast arm using a mounting device meeting the requirements of Material Specification 1463, at the position on the mast arm as indicated on the drawing in the

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manner shown on Drawing 834. The Bracket shall be banded to the mast arm with the 5/8" banding as shown on Drawing Number 834.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH SIGNAL HEAD, POLYCARBONATE, LED, of the type specified.

MATERIAL SPECIFICATION	DRAWING
1463	740
1475	741
1493	834
1495	835
1496	12268A

ITEM 148 - INSTALL SIGNAL HEAD, BRACKET MOUNTED

ITEM 149 - INSTALL SIGNAL HEAD, STRUCTURE MOUNTED

ITEM 150 - INSTALL SIGNAL HEAD, MAST ARM MOUNTED

Description. This item consists of installing a traffic signal head or combination of heads on a street light pole, a traffic signal pole, a traffic signal post, a bridge beam, CTA beams and columns, or a traffic signal monotube mast arm, as shown on the Plans, as specified herein, or as directed by the Commissioner. Specific installations and configurations are shown on Drawing Numbers 834 and 835, entitled "Standard Traffic Signal Mounting Details".

The type of installation shall be as indicated on the Plans. The number of signal faces, the number of signal sections in each signal face, any dual-indication sections, and the method of mounting shall be as indicated in the Plans and in the Standard Drawings.

Each signal face shall be pointed in the direction of the approaching traffic that it is to control and shall be aimed to have maximum effectiveness for an approaching driver located at a distance from the stop line equal to the normal distance traversed while stopping.

During construction and until the installation is placed in operation, all signal faces shall be hooded. The hooding material shall be securely fastened so it will not be disturbed by normal inclement weather or wind.

Head, Signal Materials. The signal head materials shall meet the requirements of Material Specification 1493.

Installation Requirements. The signals shall be mounted as specified in the plans.

Bracket Mounted:

- When the signals are to be mounted on a square pole of flat surface, the bracket used will be bolted to the flat pole or surface using a 3/8" drive stud where permissible or using a 3/8" stud in a tapped hole.
- The bottom mounting bracket shall be accurately located to cover an opening 1" in diameter, for cable entrance, drilled into the pole or standard at a calculated height to position the bottom signal face at a standard height of 10 feet, or a height indicated on the Plans. The opening shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation or through vibration when the signals are in operation.
- Cable
 - The Contractor shall provide and install a length of 8/C #18 AWG, as per Specification 1475, flexible electrical cord, medium duty, of sufficient length to extend without strain or stress from the terminal strip in the "Green" section of the signal head to the terminal strip in the junction box mounted on the pole. The number of conductors in the cord, and the color coding of the conductors, shall be sufficient to match the requirements of the signal head being installed, and shall be connected in accordance with Specification 1493. Both ends of the cable length shall be carefully stripped of six inches (6") of jacket and one inch (1") of insulation, and each conductor properly tinned. The cord shall be attached to the terminal block in the junction box in accordance with the terminal strip connector schematic, Drawing Number 12268-A.
 - The service cable from the signal heads shall enter the pole through the bottom ULB-1 mounting bracket and enter the long sweep elbow to terminate by attachment to the terminal strip in the junction box in accordance with connector schematic, Division of Electrical Operations (DEO) Drawing Number 12268-A.

Structure Mounted:

- Liquid tight flexible non-metallic conduit shall be installed between the signal housing and the junction box attached to the abutment. The liquid tight flexible metallic conduit shall be secured to existing or new Unistrut hardware in 3 ft. intervals along the bridge beam, or as directed by the Commissioner.
- All conduit or junction box openings must be reamed or filed to remove all sharp edges or burrs which might damage cable during installation or through vibration when the signals are in operation
- Cable
 - The Contractor must provide and install a length of 8/C #16 AWG, as per Specification 1475, flexible electrical cord, medium duty, of sufficient length to extend without strain or stress from the terminal strip in the "Green" section of the signal head to the existing terminal strip in the junction box mounted on the abutment. The number of conductors in the cord, and the color coding of the conductors, must be sufficient to match the requirements of the signal head being installed, and must be connected in accordance with Specification 1493. Both ends of the cable length must be carefully stripped of six inches (6") of jacket and one inch (1") of insulation, and each conductor properly tinned. The service cable from the signal heads must enter the liquid tight flexible metallic conduit through the mounting bracket and enter the long sweep elbow to terminate by attachment to the terminal strip in the junction box in accordance with connector schematic, Division of Electrical Operations Drawing Number 12268-A.

Mast Arm Mounted:

- The Bracket shall be located over a hole drilled into the mast arm for the installation of cable. The hole shall be reamed or filed to remove any sharp edges to burrs which might damage cable during installation, or through vibration when the signals are in operation.
- Cable
 - The contractor shall provide and install a length of 8/C #18 flexible electrical cord, as per Specification 1475, of sufficient length to extend without strain or stress from the terminal strip in the "Green" section of the signal head to the terminal strip in the junction box mounted on the pole. The number of conductors in the cord, and the color coding of the conductors, shall be sufficient to match the requirements of the signal head being installed, and shall be connected in accordance with Material Specification 1493, for the "Traffic Signal

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL SIGNAL HEAD, of the mounting type specified.

MATERIAL SPECIFICATION

1463
1475
1493
1495
1496

DRAWING

740
741
834
835
12268A

ITEM 151 - FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 3-SECTION
ITEM 152 - FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 4-SECTION
ITEM 153 - FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, 5-SECTION

Work under these items shall be performed in accordance with Section 880 of the Standard Specifications except as herein modified.

Description. This item will consist of furnishing a traffic signal head or combination of heads on a street light pole, a traffic signal pole, a traffic signal monotube mast arm, a traffic signal post, or structure as shown on the plans, as specified herein, or as directed by the Commissioner.

Material:	Material Specification
Standard LED Signal heads:	1493
Optically Programmed Signals	1543
Mast Arm Brackets	1463
Pole Mounting Brackets	1495
Cable	1475

Color. Signal head housings, pole mounting brackets and crosses shall be the color designated by the Commissioner. All banding shall be stainless steel.

General Requirements. The type of installation shall be as indicated on the plans. The number of signal faces, the number of signal sections in each signal face, any dual-indication sections, and the method of mounting shall be as indicated on the plans and in the standard drawings. The size of the lenses shall be 12".

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal heads and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Mounting Hardware Requirements. The signals shall be mounted as specified in the plans.

Pole/Post Mounted Signals. Pole/Post mounted signals shall be mounted using pole mounting brackets meeting Material Specification 1495.

Mast Arm Mounted Signals. The signal shall be mounted on the mast arm using a mounting device meeting the requirements of Material Specification 1463.

Basis of Payment. This work shall be paid for at the contract unit price per each for FURNISH SIGNAL HEAD, OPTICALLY PROGRAMMED, 1-FACE, of the type specified.

ITEM 154 - INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, BRACKET MOUNTED
ITEM 155 - INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, MAST ARM MOUNTED

Work under these items shall be performed in accordance with Section 880 of the Standard Specifications except as herein modified.

Description. This item will consist of installing a traffic signal head or combination of heads on a street light pole, a traffic signal pole or a traffic signal monotube mast arm, or a traffic signal post as shown on the plans, as specified herein, or as directed by the Commissioner.

Material:	Material Specification
Standard LED Signal heads:	1493
Optically Programmed Signals	1543
Mast Arm Brackets	1463
Pole Mounting Brackets	1495
Cable	1475

Material Acceptance. The Contractor shall provide a Manufacturer's written certification that the materials comply with these specifications.

General Requirements. The type of installation shall be as indicated on the plans. The number of signal faces, the number of signal sections in each signal face, any dual-indication sections, and the method of mounting shall be as indicated on the plans and in the standard drawings. The size of the lenses shall be 12".

Installation Requirements:

Pole/Post Mounted Signals. Pole/Post mounted signals shall be mounted using pole mounting brackets meeting Material Specification 1495, banded to the pole with two strips of 3/4" stainless steel banding single wrapped, one at the top and one at the bottom of the bracket, each secured with a stainless steel banding clip. The mounting configuration connecting the signals to the mounting bracket shall consist of sections of 1 1/2" polycarbonate conduit of precise lengths, as indicated on Standard drawing # 741.

When the signals are to be mounted on a square pole with a flat surface, the bracket used will be bolted to the flat pole or surface using a 3/8" drive stud where permissible, or using a 3/8" stud in a tapped hole.

The bottom mounting bracket shall be accurately located to cover an opening 1" in diameter, for cable entrance, drilled into the pole or standard at a calculated height to position the bottom signal face at a standard height of ten feet (10'), or a height indicated on the plans. The opening shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation, or through vibration when the signals are in operation.

Mast Arm Mounted Signals. The signal shall be mounted on the mast arm using a mounting device meeting the requirements of Material Specification 1463, at the position on the mast arm as indicated on the drawing and as shown on Standard drawing 834. The mounting bracket shall be banded to the mast arm with 5/8" banding. The mounting bracket shall be located over a hole drilled into the mast arm for the installation of cable. The hole shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation or through vibration when the signals are in operation.

Cable. The contractor shall provide and install a length of 8/C #18 AWG flexible electric cord, meeting the requirements of Material Specification 1475, of sufficient length to extend without strain or stress from the terminal strip in the "Green" section of the signal head to the terminal strip in the junction box mounted on the pole. The number of conductors in the cord, and the color coding of the conductors, shall be sufficient to match the requirements of the signal head being installed, and shall be connected in accordance with Material Specification 1493. Both ends of the cable length shall be carefully stripped of six inches (6") of

jacket and one inch (1") of insulation, and each conductor properly tinned. Service cable from the mast arm mounted signal heads shall enter the traffic signal mast arm through the hole from the mounting bracket, and continue and enter the pole through the hole for mast arm wiring, then extend downward through the pole to enter the long sweep elbow to terminate by attachment to the terminal strip in the junction box in accordance with Standard drawing 12268a. Service cable from post mounted signal heads shall enter the pole through the bottom ULB-1 mounting bracket, extend downward through the pole to enter the long sweep elbow to terminate by attachment to the terminal strip in the junction box, also in accordance with Standard drawing 12268a.

Basis of Payment. This work shall be paid for at the contract unit price per each for INSTALL SIGNAL HEAD, OPTICALLY PROGRAMMED, of the mounting type specified.

**ITEM 156 - FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET
MOUNTED, COUNTDOWN**

Description. This item consists of furnishing a pedestrian signal on a street light pole, a traffic signal pole or a traffic signal post as shown on the Plans, as specified herein, or as directed by the Commissioner.

Materials:	Material Specification
Wiring	1475
Brackets	1495
Pedestrian Head	1545
Door and Housing	Article 1078.02(a)

Material Acceptance. The Contractor shall provide a Manufacturer's written certification that the materials comply with these specifications.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal heads and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Installation Requirements. The signal shall be mounted using pole mounting brackets meeting Material Specification 1495

The pedestrian signal head housing, pole mounting brackets and crosses shall be the same color. Any mounting hardware shall be unpainted.

Basis of Payment. This work shall be paid for at the contract unit price per each for FURNISH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN.

DRAWING	
12268A	741
	834
	835

**ITEM 157 - INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET
MOUNTED, COUNTDOWN**

Description. This item consists of installing a pedestrian signal on a street light pole, a traffic signal pole or a traffic signal post as shown on the Plans, as specified herein, or as directed by the Commissioner. The signal may be installed as a single unit on a pole or in combination with other pedestrian signals or with traffic signals of various types and sizes. Specific installations and configurations are shown on Drawing Numbers 834 and 835 entitled "Standard Traffic Signal Mounting Details" approved by the Division of Electrical Operations (DEO) and the Illinois Department of Transportation for installation on Federal-Aid Highway Projects and on Illinois Department of Transportation Projects.

The method of mounting shall be indicated on the Plans. Each signal face shall be pointed in the direction of the marked cross-walk area for the pedestrians it is intended to control.

During construction and until the installation is placed in operation, all signal faces shall be hooded. The hooding material shall be securely fastened so it will not be disturbed by inclement weather or wind.

Materials:

Material Specification

Wiring	1475
Brackets	1495
Pedestrian Head	1545
Door and Housing	Article 1078.02(a)

Installation Requirements. The signal shall be mounted using pole mounting brackets meeting Material Specification 1495, banded to the pole with two strips of 3/4" stainless steel banding, single wrapped, one at the top and one at the bottom of the bracket, each secured with a stainless steel banding clip. The banding and clips shall have a baked-on black finish. The mounting configuration connecting the signals to the mounting bracket shall consist of sections of 1-1/2" polycarbonate conduit of precise lengths as indicated on the Standard Drawing to create the designated structure, connected with cross fittings per Standard Drawing 741, as required.

The bottom mounting bracket shall be accurately located to cover a hole 1" in diameter for cable entrance drilled into the pole or standard at a height calculated to position the bottom signal face at a standard height of 10 feet, or a height indicated on the Plans. The hole shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation or through vibration when the signals are in operation.

When the pedestrian signal is attached below a traffic signal head, the separate opening for cable may be omitted to eliminate additional weakening of the pole and the pedestrian signal cord shall be installed using the same opening as the traffic signal cord.

Cable:

The contractor shall provide and install a length of 8/C #18 AWG flexible electric cord, meeting the requirements of Material Specification 1475, of sufficient length to extend without strain or stress from the terminal strip in the pedestrian signal to the terminal strip in the junction box mounted on the pole. The number of conductors in the cord, and the color coding of the conductors, shall be sufficient to match the requirements of the signal head being installed, and shall be so connected in accordance with Material Specification 1494. Both ends of the cable shall be carefully stripped of six inches (6") of jacket and one inch (1") of insulation, and each conductor properly tinned. The cord shall be attached to the terminal block in the junction box in accordance with the terminal strip connector schematic, Division of Electrical Operations (DEO) Drawing Number 12268-A. The service cord from pedestrian signal shall enter the pole through the bottom mounting bracket and enter the long sweep elbow to terminate by attachment to the terminal strip in accordance with the terminal strip connector schematic, Division of Electrical Operations (DEO) Drawing Number 12268-A.

The pedestrian signal head housing, pole mounting brackets and crosses shall be the same color.

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Any mounting hardware shall be unpainted.

Basis of Payment. This work shall be paid for at the contract unit price per each for INSTALL PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE, LED, BRACKET MOUNTED, COUNTDOWN.

DRAWING	
12268A	741
	834
	835

ITEM 158 - FURNISH ACCESSIBLE PEDESTRIAN SIGNAL

Revised: 11/26/2023
Material Specifications: 1617, 1618
Standard Drawings: none

Description. This work shall consist of furnishing an accessible pedestrian signal (APS) to be mounted on a traffic signal pole or post.

Materials. The APS shall meet the requirements of Material Specification 1617. Cable for the APS shall meet the requirements of Material Specification 1618.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Basis of Payment. This work shall be paid for at the contract unit price per each for FURNISH ACCESSIBLE PEDESTRIAN SIGNAL.

ITEM 159 - INSTALL ACCESSIBLE PEDESTRIAN SIGNAL

Revised: 6/25/2024
Material Specifications: 1617, 1618
Standard Drawings: none

Description. This work shall consist of installing an accessible pedestrian signal (APS) to be mounted on a traffic signal pole or post.

Materials. The APS shall meet the requirements of Material Specification 1617. Cable for the APS shall meet the requirements of Material Specification 1618.

Installation. The location of the APS shall be as shown on the plans or as directed by the Engineer and shall meet the requirements of the MUTCD Chapter 4, Sections 4E.08 to 4E.10.

The power supply shall be installed in the associated WALK/DONT WALK signal head compartment and be securely attached. The input wires to the power supply shall be terminated to the correct terminals in the signal head. The output wires of the power supply shall be connected to the APS cable with quick disconnect plugs. The APS cable shall be properly terminated at the APS.

The APS cable is the six-conductor cable that shall connect the power supply to the APS. The cable length shall vary depending upon the relative location of the APS to its associated WALK/DONT WALK signal head. Care shall be taken to ensure the correct wires are connected to the correct terminals. In all cases, the white wire shall be the neutral and the green wire shall be the ground. The cable should have sufficient slack so that there is no tension in the cable and there is enough extra cable to make or break connections easily. If the cable goes through a manhole/handhole, it shall be trained along the sides.

The APS shall be located as indicated on the plans. A three-quarter inch (3/4") to one inch (1") diameter hole shall be drilled into the pole at the proper height for the cable entrance. The size of the hole shall be as directed by the Engineer. The hole shall be reamed or filed to remove all sharp edges or burrs which might damage the cable. A weatherproof flexible caulking shall be applied between the hole in the pole and the APS housing to protect the cable. The APS bracket shall be attached to the pole with 3/4" steel banding or with two stainless steel screws. The APS shall be attached to the bracket with two stainless steel screws. The height of the push-button shall be 42" above the sidewalk grade where the pedestrian shall be located when at the APS, according to ADA requirements. The front face of the APS shall be parallel to the associated crosswalk. When required, a push button extension bracket shall be provided to position the button within reach of the accessible path. The tactile arrow shall be positioned to point toward the crosswalk.

The APS shall be programmed following the manufacturer's instructions. The sound levels and any vocal messages shall be programmed as indicated on the plans or as directed by the Engineer.

A sign shall be mounted to the back-plate of the APS. The sign size and message shall be as indicated on the plans or as directed by the Engineer.

Basis of Payment. This work shall be paid for at the contract unit price per each for INSTALL ACCESSIBLE PEDESTRIAN SIGNAL.

ITEM 160 - JUNCTION BOX, POLE OR POST MOUNTED

CDOT SP 813-1 JUNCTION BOX, POLE OR POST MOUNTED

Effective: March 16, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1407

Standard Drawings: 834, 954, 11984

This item shall consist of furnishing and installing a Junction Box on each traffic signal post, traffic signal pole, or street light pole on which a signal head is mounted, as shown on the plans, specified herein, or directed by the Engineer.

Materials. The Junction Box shall conform to the requirements of Material Specification Number 1407 and Drawing Number 954. The box shall contain a 20-conductor terminal strip, securely fastened to an aluminum channel. Two #10 stainless steel machine screws shall be used to mount the channel to the junction box.

Construction Requirements. The junction box shall be mounted to the side of the pole away from the roadway, or as directed by the Engineer. The center of the box shall be located approximately fifty-eight inches (58") above the adjacent sidewalk. Two long sweep elbows shall be attached to the box, one to the top and one to the bottom, unless otherwise directed by the Engineer. Each shall be attached with four (4) #10-24x3/4" stainless steel screws. The lower long sweep elbow shall be properly positioned over a hole 1 1/2 inches in diameter drilled in the pole approximately 48" above the sidewalk, for the installation of cable. Another 1 1/2-inch hole shall be drilled for the upper elbow. The holes shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation, or through vibration when the signals are in operation. A stainless steel, banding bracket per Drawing Number 11984, shall be attached to the center of the back of the box with a 5/16"-18 x 1" stainless steel machine screw. The entire unit shall be banded to the pole with five (5) 3/4" stainless steel bands, one through the banding bracket and one each at the top and bottom of each elbow. The banding and clips shall have a baked-on black finish.

Basis of Payment. This work shall be paid for at the contract unit price each for a JUNCTION BOX, POLE OR POST MOUNTED, which price shall be payment in full for furnishing and installing the junction box complete with its component parts and appurtenances. Connection of cables and wires to the terminal strip shall not be part of the cost of the junction box but shall be considered part of the installation of the underground cable and the installation of signal heads.

ITEM 161 - CUT OFF POLE AND INSTALL CAP

Description. This item shall consist of cutting a traffic signal pole down to the desired height and furnishing and installing a steel cap for the pole top. This is done when the pole will not have a luminaire arm and luminaire in the top portion.

Installation. The pole shall be cut to the desired height as directed by the Engineer or as shown on the plans. Normally this will be two to three feet above where the monotube mast arm is located. A steel cap shall be installed on the top of the pole and secured by three stainless steel set screws. The pole may be cut before or after installation.

Method of Measurement. This work shall be measured per each unit installed.

Basis of Payment. This work shall be paid for at the contract unit price per each for CUT OFF POLE AND INSTALL CAP, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 162 - FURNISH MAST ARM, STEEL, MONOTUBE, 16 FOOT
ITEM 163 - FURNISH MAST ARM, STEEL, MONOTUBE, 20 FOOT
ITEM 164 - FURNISH MAST ARM, STEEL, MONOTUBE, 26 FOOT
ITEM 165 - FURNISH MAST ARM, STEEL, MONOTUBE, 30 FOOT
ITEM 166 - FURNISH MAST ARM, STEEL, MONOTUBE, 35 FOOT
ITEM 167 - FURNISH MAST ARM, STEEL, MONOTUBE, 40 FOOT
ITEM 168 - FURNISH MAST ARM, STEEL, MONOTUBE, 44 FOOT

Description. This item consists of furnishing a steel, monotube, mast arm for the purpose of supporting traffic signals, and/or illuminated or painted signs on an anchor base pole at the locations shown on the Plans, or as specified or directed by the Commissioner. The length of the mast arm and the angular orientation of the arm relative to the centerline of the roadway shall be as indicated on the Plans.

A mast arm shall be installed only on a 3-gauge pole, and the length of the mast arm shall govern the minimum base diameter of the pole on which the arm is to be installed, in accordance with the following chart:

MAST ARM LENGTH (feet)	POLE BASE DIAMETER (inches)
16	10
20	10
26	10
30	11
35	12.5
44	12.5

Material:

	Material Specification
Mast Arm	1454

The mast arm shall be delivered completely finished with a factory applied paint per Material Specification 1454. The contractor shall utilize non-abrasive slinging materials and shall otherwise exercise due care in erecting the pole and mast arm to prevent any damage to the finish.

Color: Color shall be black conforming to City of Chicago Standard Specifications. A color sample shall be submitted to the Commissioner for approval prior to fabrication.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. This work will be measured on a per each basis.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH MAST ARM, STEEL, MONOTUBE, of the length specified, as specified and as indicated on the plans or as directed by the Commissioner.

MATERIAL	DRAWING
1447	870
1454	834

ITEM 169 - INSTALL MAST ARM, STEEL, MONOTUBE, 16 FOOT
ITEM 170 - INSTALL MAST ARM, STEEL, MONOTUBE, 20 OR 26 FOOT
ITEM 171 - INSTALL MAST ARM, STEEL, MONOTUBE, 30 FOOT
ITEM 172 - INSTALL MAST ARM, STEEL, MONOTUBE, 35, 40, OR 44 FOOT

Description. This item consists of installing a steel, monotube, mast arm for the purpose of supporting traffic signals, and/or illuminated or painted signs on an anchor base pole at the locations shown on the Plans, or as specified or directed by the Commissioner. The length of the mast arm and the angular orientation of the arm relative to the centerline of the roadway shall be as indicated on the Plans.

A mast arm shall be installed only on a 3-gauge pole, and the length of the mast arm shall govern the minimum base diameter of the pole on which the arm is to be installed, in accordance with the following chart:

MAST ARM LENGTH (feet)	POLE BASE DIAMETER (inches)
16	10
20	10
26	10
30	11
35	12.5
44	12.5

Material:

	Material Specification
Mast Arm	1454

Material Acceptance. The Contractor shall provide a Manufacturer's written certification that the materials comply with these specifications

Installation. The mast arm shall be mounted on the pole at the height specified on Drawing 834, or at a different height if specified on the Plans, or as directed by the Engineer. A one inch (1") diameter opening for the installation of cable shall be field drilled in the pole in line with the orientation of the mast arm. The hole shall be reamed or filed to remove all sharp edges or burrs which might damage cable during installation or through vibration when the signals are in operation. A neoprene grommet shall be inserted into the finished hole prior to the installation of the cable.

Two holes shall be field drilled in the pole at 180 degrees relative to the orientation of the pole for installation of locator shear pins, provided with the back plate, to prevent rotation of the mast arm. These holes shall be drilled after the mast arm is in place in order that the position of the holes shall match the location of the locator bushings attached to the back half of the clamp.

All signals, signs, and electrical equipment shall be attached in the correct relative position to the mast arm, with service cord in place, prepared to be installed on the pole, prior to the attachment of the mast arm to the pole. The installation of the cord in the pole shall be coordinated with the attachment of the mast arm to the pole. The clamp bolts shall be tightened securely so that there is no slippage of the mast arm either upward or downward to exert a vertical force on the shear pins. The end cap shall be secured in place with the attachment screws provided.

Method of Measurement. This work will be measured on a per each basis.

Traffic Signal Improvements (Various Locations)
CDOT Project No. B-3-703
Specification No. 1296012

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL MAST ARM, STEEL, MONOTUBE, of the length specified, as specified and as indicated on the plans or as directed by the Commissioner.

MATERIAL	DRAWING
1447	870
1454	834

ITEM 173 - FURNISH MAST ARM, STEEL, STREET LIGHTING, 8 FOOT
ITEM 174 - FURNISH MAST ARM, STEEL, STREET LIGHTING, 12 FOOT
ITEM 175 - FURNISH MAST ARM, STEEL, STREET LIGHTING, 15 FOOT

Description. This item will consist of furnishing a steel pipe mast arm of a specified length to support a street light luminaire, or other electrical equipment as required, as is shown on Drawing Numbers 661, 620, 839, and 840.

Materials. Mast Arm shall conform to the requirements of Material Specification 1450. The 8-foot mast arm shall conform to Standard Drawing 620. The 12-foot mast arm shall conform the Standard Drawing 839. The 15-foot mast arm shall conform the Standard Drawing 840. The two bolt arm attachment shall be equal to that shown on Standard Drawing 724.

Touch-up Painting. The Contractor is responsible for touching-up all marred, scraped and chipped areas of the mast arm in accordance with the mast arm supplier's instruction. Additional payment will not be made for touch-up painting. The Contractor shall furnish paint, brushes and related equipment.

Color: Color shall be black conforming to City of Chicago Standard Specifications. A color sample shall be submitted to the Commissioner for approval prior to fabrication.

Procurement. The contractor must provide proof of purchase to the Commissioner within seven (7) days following the release of the work order for all furnish items. The signal and mounting hardware will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. This work will be measured on per each basis.

Basis of Payment. This work will be paid for at the contract unit price per each for FURNISH MAST ARM, STEEL, STREET LIGHTING, of the length specified, which will be paid in full for furnishing the mast arm complete in place.

MATERIAL SPECIFICATION
1450

STANDARD DRAWING
620 724 839 840

ITEM 176 - INSTALL MAST ARM, STEEL, STREET LIGHTING, 8 OR 12 FOOT
ITEM 177 - INSTALL MAST ARM, STEEL, STREET LIGHTING, 15 FOOT

Description. This item will consist of installing a steel pipe mast arm of a specified length to support a street light luminaire, or other electrical equipment as required, as is shown on Drawing Numbers 661, 620, 839, and 840.

Materials. The mast arm shall conform to the requirements of Material Specification 1450. The 8-foot mast arm shall conform to Standard Drawing 620. The 12-foot mast arm shall conform the Standard Drawing 839. The 15-foot mast arm shall conform the Standard Drawing 840. The two bolt arm attachment shall be equal to that shown on Standard Drawing 724.

Installation. The 8 foot mast arms will be installed with two bolts to the mast arm attachment on the pole. The pole shall have a mast arm attachment as shown in Standard Drawing 659 in order to properly mount the arm. The truss arms require 2 such mounts. The 12 foot and 15 foot truss arms will be attached with 4 bolts. Bolts will be supplied with the arm per Material Specification 1450.

Touch-up Painting. The Contractor is responsible for touching-up all marred, scraped and chipped areas of the mast arm in accordance with the mast arm supplier's instruction. Additional payment will not be made for touch-up painting. The Contractor shall furnish paint, brushes and related equipment.

Method of Measurement. This work will be measured on per each basis.

Basis of Payment. This work will be paid for at the contract unit price per each for INSTALL MAST ARM, STEEL, STREET LIGHTING, of the size specified, which will be paid in full for installing the mast arm complete in place.

MATERIAL SPECIFICATION
1450

STANDARD DRAWING
620 724 839 840

ITEM 178 - PLATE WELD TO POLE, 2-BOLT

Description. This item consists of furnishing and welding a mast arm attachment plate to a street light pole for installing a street light mast arm to support traffic signal or street lighting equipment.

Material. The material of the plate shall be a forged steel plate as manufactured by the Union Metal Company per their Drawing No. A2843C42. The arc-welding rod shall be the equivalent of a Eutectic Rod No. XH066.

Construction Requirements. The orientation of the plate to position the mast arm relative to the street light mast arm shall be as designated on the drawing. The plate shall be positioned such that the center lines of the mast arm mounting bolt holes shall be in a horizontal plane, and the face of the plate shall be in a vertical plane when the pole is installed plumb. The plate shall be mounted on the pole with the wire guide lip extending inside the pole and positioned at the bottom of a two (2) inch diameter mounting hole drilled in the pole. The drilled hole shall be reamed or filed to remove all sharp edges which may damage cable during installation.

When a twelve (12) foot mast arm is used, a second plate shall be welded to the pole in the same orientation at a position thirty-two (32) inches vertically below the first plate. When the plate is to be used for a street lighting installation for either double arming or mounting a lighting unit at a lower than normal height, the orientation and the height of the mounting hole shall be as specified on the drawing.

The integrity of the weld between the mast arm support plate and the pole shall be tested in the following manner. With an appropriate mast arm firmly attached to the pole, at test load of 300 pounds shall be applied to the mast arm as a side pull at a point seven (7) feet from the pole. After the test, the mast arm support plate welds shall be sound in all respects. This test shall be performed with a time lapse of a minimum of two hours following the welding, and the test shall be performed with the Resident Engineer as a witness. In the event of a failed weld, the crack may be rewelded and the pole assembly retested.

The plate shall be cleaned and painted. This shall not constitute a separate cost item for painting.

Method of Measurement. This work will be measured per each plate installed, complete with painting.

Basis of Payment. This work will be paid for at the contract unit price per each for a PLATE WELD TO POLE, 2-BOLT, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

DRAWING
656

ITEM 179 - PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S)

ITEM 180 - PAINT EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD(S)

ITEM 181 - PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE(S), SIGNAL HEAD(S), MAST ARM(S), AND LUMINAIRE(S)

ITEM 182 - PAINT EXISTING LIGHTING OR IRRIGATION, LIGHTING RECEPTACLE OR TRAFFIC SIGNAL CABINET

CDOT SP 851-1 PAINT EXISTING LIGHTING AND TRAFFIC SIGNAL EQUIPMENT

Effective: March 17, 2024

Revised: August 2, 2024

Description. This work shall consist of field painting existing steel and aluminum structures including poles and arms that support street lights and traffic control signals, controller cabinets for street lights and traffic signals, traffic signal housings, and street light luminaire housings.

Materials. All paints and painting materials intended for applications specified herein must be certified by the contractor to be of highest quality, must be from the same manufacturer, and must conform to the following, as applicable:

Naphtha. The solvent to be used for wiping down all metallic surfaces prior to application of paint must be NAPHTHA conforming to ASTM Standard D838.

Primer. This paint must meet the requirements of Section 4 (composition) and Section 5 (properties) of the Steel Structures Painting Council's Paint Specification No. 25 for red iron oxide, zinc oxide, raw linseed oil and alkyd primer as outlined in Volume 2, Systems and Specifications, Third Edition.

Intermediate Coat. The paint must meet the same requirements as the primer except that it will contain a contrasting shade of iron oxide/ or be tinted or shaded to produce a distinct contrast of at least 10 Hunter Delta E units compared to the primer.

Finish Coat. This paint must meet the requirements of Section 4 (composition) and Section 5 (properties) of the Steel Structures Painting Council's Paint Specification No. 21 for lead free white or colored silicone alkyd paint, Type 1, high gloss as outlined in Volume 2, Systems and Specifications, Third Edition.

Color. A paint sample must be submitted for approval prior to authorization to paint. The color will be as specified by the Engineer. The sample must be in the form of a 4" by 8" color chip. The contractor must provide a field-painted sample, if requested by the Commissioner. The field sample must be of the same type of equipment to be painted and will be chosen by the Commissioner. Color will be green, gray, black, or another color as specified.

Product Data. The contractor must submit the manufacturer's technical information, label analysis, and application instructions for each material proposed for use. Each material must be listed and cross-referenced for the specific coating, finish system, and application. Each material must include the manufacturer's catalog number.

General Requirements.

Delivery, Storage, and Handling. The contractor must deliver, store, and handle the paint as specified herein.

The materials must arrive at the job site in the manufacturer's original, unopened packages and containers bearing the manufacturer's name label, product name, product description, manufacturer's stock number, date of manufacture, contents by volume for pigment and vehicle constituents, thinning

instructions, application instructions, and color name and number.

Materials to be stored should be kept in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45° Fahrenheit.

Construction Requirements.

Preparation of Surfaces.

Steel Surfaces. Remove loose or scaling paint, dirt, oil grease, rust and foreign matter, as necessary, to receive paint. Wire brushing, where specified herein, must be done with an approved power tool operated from a portable power source. After wire brushing, the complete surface must be thoroughly wiped with a rag containing NAPHTHA.

Aluminum Surfaces. Remove loose scale and paint, dirt, oil, grease and foreign matter, as necessary, to receive paint. Wire brush surfaces, where necessary, to remove loose scale. Wire brushing, where specified herein, must be done with an approved power tool operated from a portable power source. After wire brushing, the complete surface must be thoroughly wiped with a rag containing NAPHTHA.

Weather Conditions. Do not apply paint coatings when temperature is below 40° F., or during periods of rain, fog, snow, or when relative humidity is above 85 %.

Application Conditions. Surfaces to be painted must be clean, dry, and relatively smooth. Each paint coating must be applied smoothly and worked out evenly. Paint must be thoroughly mixed just prior to application. Thinning must be held to a minimum and must be done only when required for proper application. Thinners to be used will be the manufacturer's recommended thinner for the paints used; mixed thoroughly to assure complete blending with the coating. Spray painting will not be permitted when wind conditions are greater than 15mph. Painting must be done as soon after cleaning as possible.

Detailed Painting Requirements.

Street Light Poles. Street light poles to be painted under these specifications are steel structures which will vary from fourteen (14) to thirty-five (35) feet in height, with average surface required to be painted of approximately forty-eight (48) square feet. Some rusting and/or bare spots will be encountered which the contractor will be required to wire-brush. The pole must be thoroughly wiped with NAPHTHA, and the finish coating applied.

Mast Arm Brackets and Luminaries. Mast arms which are attached to the street light poles will consist of two-inch steel pipe sections which will vary between eight feet (8') and fifteen feet (15') in length. Mast arms in twelve-foot (12') and 15-foot (15') sizes will have a supporting strut of two-inch (2") steel pipe. Surface scale and rust will be wire-brushed, and these mast arms thoroughly wiped with NAPHTHA, and finish painted.

Traffic Signal Post. Aluminum and steel posts consist of five-inch (5") pipe sections atop a conical base or base flange sixteen inches (16") in diameter and will vary in height from three feet six inches (3' - 6") to twenty feet (20'). Spot scaling must be wire-brushed and the posts thoroughly wiped with NAPHTHA, and finish painted.

Street Light Controllers. The control cabinets will be cast aluminum and are approximately 18" x 14" x 30" in size. They will be mounted atop a three-foot six inch (3' 6") high post. The Contractor will wire-brush, as necessary, and thoroughly wipe the complete cabinet and casting with NAPHTHA, and apply a finish coating.

Basis of Payment. This work will be paid for at the contract unit price per each for PAINT EXISTING LIGHT POLE, MAST ARM(S), AND LUMINAIRE(S), PAINT EXISTING TRAFFIC SIGNAL POST AND

Traffic Signal Improvements (Various Locations)
CDOT Project No. B-3-703
Specification No. 1296012

SIGNAL HEAD(S), PAINT EXISTING TRAFFIC SIGNAL POLE, MONOTUBE(S), SIGNAL HEAD(S),
MAST ARM(S), AND LUMINAIRE(S), OR PAINT EXISTING LIGHTING, IRRIGATION, RECEPTACLE,
OR TRAFFIC SIGNAL CABINET.

ITEM 183 - LUMINAIRE, LED, COBRA HEAD, ARTERIAL

CDOT SP 821-8 LUMINAIRE, LED, COBRA HEAD

Effective: March 9, 2024
Revised: January 22, 2025

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1351, 1608, 1630, 1631, 1632
Standard Drawings: None Applicable

This item shall consist of furnishing and installing an LED street light luminaire with external smart node of the output noted on the plans.

Materials. luminaires shall meet the requirements of Material Specification 1630, 1631, or 1632. Smart lighting nodes shall meet the requirements of Material Specification 1608. Pole wire shall meet the requirements of Material Specification 1351.

Construction Requirements. This work shall meet the applicable requirements of Section 801 and Article 821.03 of the IDOT Standard Specifications for Road and Bridge Construction. Each luminaire shall be installed per the manufacturer's instructions. Luminaires shall be securely attached to the end of a two-inch diameter pipe arm and leveled to provide proper illumination.

Pole wiring shall be connected to the luminaire terminal block, or quick disconnect, in accordance with the Material Specifications and the manufacturer's recommendation. Pole wires shall be spliced to the field wires at the base of the pole using splicing methods approved by the Engineer, and as detailed under related special provisions. The pole wires shall be of sufficient length to connect the luminaire to the field wires at the base of the pole.

Basis of Payment. This work will be paid for at the contract unit price per each for LUMINAIRE, LED, COBRA HEAD, of the type and wattage specified on the plans.

ITEM 184 - RACK, SECONDARY AERIAL 2 OR 3 WIRE

CDOT SP 818-1 RACK, SECONDARY AERIAL

Effective: March 16, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1443

Standard Drawings: 11940

This work shall consist of furnishing and installing an electrical secondary rack, to which wires may be attached, on a street light pole, as shown on the plans,

Materials. Secondary aerial racks shall meet the requirements of Material Specification 1443.

Construction Requirements. Secondary racks shall be banded securely to the pole at such height as to locate the upper insulating spool at six inches (6") below the top mast arm port of the pole. The banding shall consist of two - 3/4 inch stainless steel bands, one each through the top and bottom clevises in the manner shown on Drawing 11940. The rack shall be banded at a position 90 degrees from the central axis of the street light mast arm, or in the position of direct strain, when the pole is the line termination, and at 180 degrees from the central axis of the street light mast arm when the pole is an intermediate one in the pole line.

Basis of Payment. This work will be paid for at the contract price each for RACK, SECONDARY AERIAL, of the wires specified.

ITEM 185 - ELECTRIC SERVICE INSTALLATION, 100 AMP
ITEM 186 - ELECTRIC SERVICE INSTALLATION, 200 AMP

CDOT SP 804-1 ELECTRIC SERVICE INSTALLATION

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1457, 1462
Standard Drawings: 11922, 11925

This work will consist of furnishing and installing a service on a Commonwealth Edison Company wood pole for either a 120-volt traffic signal service installation, or for a 120/240-volt or 120/208-volt street lighting service installation per Standard Drawing 11925.

Materials.

Service Junction Cabinet. The cabinet shall be cast from aluminum and meet all the requirements of Standard Drawing 11922. Its dimensions shall not exceed eight (8) inches in width, eighteen (18) inches in height and nine (9) inches in depth, and it shall be weatherproof. It shall contain a two (2) pole disconnecting device, with bridge contacts and barrier strip, subject to approval. The disconnecting device shall be rated for 200 amps and 600 volts. A suitable ground lug, subject to approval, to accommodate a 1/C #2, 1/C #4, 1/C #2/0 or 1/C #1/0 AWG stranded copper conductor shall be provided. Any alternate cabinets which are considered equal to this may be considered.

Cable Grip. A one and one quarter inch (1 1/4") cable grip fitting shall be installed at top of cabinet to accommodate a 3/C #2, #4, #2/0 or #1/0 AWG service cable.

Service Riser. A three (3) inch galvanized rigid steel conduit riser terminated at the bottom with a galvanized rigid steel, large radius, conduit elbow shall be installed by the contractor on the Commonwealth Edison Company service pole as shown on Standard Drawing 11925. The top of the riser shall terminate in the service junction cabinet and the end of the elbow shall connect to the horizontal conduit leading to the control cabinet. The riser and elbow shall be included in the cost of the service installation. Horizontal conduit beyond the elbow will be paid for separately, as noted on the plans.

Cable. A sufficient length of three (3) conductor service entrance cable shall be coiled at the top of the box in order to reach the Commonwealth Edison Company secondary wires for connection. The three (3) conductor service entrance cable shall meet the requirements of Material Specification 1457, or an approved equal. The black and red conductors shall be connected to the disconnect device and the white conductor to the ground lug, for the 240-volt street lighting service installation. The black conductor shall be connected to the disconnect, and the white to the ground lug, for the 120-volt traffic signal service installation. For 120-volt installations, the red conductor shall be taped and coiled inside box for future use.

Cables in Service Riser. Cables shall extend continuously from the load side of the disconnect device, down the riser and elbow, and in the conduit lateral to the control cabinet. Payment for cables in riser and elbow will be paid for separately.

Basis of Payment. This work will be paid for at the contract unit price per each for ELECTRIC SERVICE INSTALLATION, of the amperage specified.

ITEM 187 - SERVICE ENTRANCE HEAD ON POLE TOP, 1-1/4"

ITEM 188 - SERVICE ENTRANCE HEAD ON POLE TOP, 2"

Description. This item will consist of furnishing and installing on top of a street light pole a pole cap which has been fitted with a conduit raceway on which a service entrance head is installed. The completed unit (pole cap, conduit, and weatherhead) will be used in the transition from underground distribution to aerial distribution in which cable from the base of the pole to the aerial distribution wires will be accommodated.

Material. The pole cap must be a cast iron pole cap meeting the requirements of the pole top described in Material Specification 1447 for the pole size of intended use. The conduit raceway must be a one-foot length of galvanized rigid steel conduit of sizes 1 1/4", 1 1/2", or 2", as indicated, and which has been reamed to remove burrs and sharp edges. The service entrance head must be the equivalent of a set screw entrance fitting manufactured by the Appleton Electric Company Catalog Number EF 125 for 1 1/4" conduit, EF 150 for 1 1/2" conduit and EF 200 for 2" conduit.

Assembly. A hole must be drilled axially centered through the pole cap to accommodate the specified size of the conduit. The conduit must be welded to the cap with a continuous weld so that the threaded end of the conduit will extend three inches (3") above the top of the pole cap for attachment of the service entrance head.

Installation. The unit must be installed on the top of the pole at the location shown on the plans. The pole cap, conduit, and entrance head must be painted. This will not constitute a separate pay item.

Method of Measurement. This item will be measured per each SERVICE ENTRANCE HEAD ON POLE TOP of the size conduit indicated and for the size of pole stated on the construction plans installed in place and painted.

Basis of Payment. This item will be paid for at the contract unit price per each for a SERVICE ENTRANCE HEAD ON POLE TOP of the size conduit indicated and for the size of pole stated on the construction plans, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

MATERIAL SPECIFICATION DRAWING
1447 1462 11420 A

**ITEM 189 - CIRCUIT BREAKER, 600 VOLT, 1-POLE, 70 AMPERE IN EXISTING STREET LIGHT
CONTROLLER**

CDOT SP 801-2 CIRCUIT BREAKER, 600 VOLT

Effective: March 9, 2024

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1428
Standard Drawings: None Applicable

This item will consist of furnishing and installing a single pole or double pole thermal-magnetic circuit breaker in an existing arterial street light controller at the designated location creating a controlled power source to supply a proposed traffic signal controller or other electrical device or circuit.

Materials. The material of the circuit breaker must meet the requirements of Material Specification 1428.

Installation. The circuit breaker shall be mounted on a 3/8" thick phenolic linen base bakelite panel 3" x 8" attached on the inside of the lower left-hand side of the controller cabinet with (4) 1/4"-20 x 7/8" brass screws in holes drilled and tapped into the side of the cabinet. The ends of any screws protruding through the side of cabinet wall shall be filed or ground off flush with the face of the cabinet. The bakelite panel shall be set out from the wall of the controller cabinet using four 1/4" bakelite spacer washers, one at each mounting screw position.

The line side terminal of the circuit breaker shall be connected to one of the line side terminal(s) of the main circuit breaker with a 1/C #4, 600V, 90° C. insulated copper cable trained around the cabinet in a neat and workman like manner. This cable shall be included in the installation of the circuit breaker and will not be paid for separately. The installation and connection of the load side cables servicing the traffic signal controller shall be a part of the installation of service cable and not a part of the installation of the circuit breaker.

Basis of Payment. This work will be paid for at the contract unit price each for CIRCUIT BREAKER, 600 VOLT, of the poles and amperage indicated.

ITEM 190 - ELECTRIC UTILITY SERVICE CONNECTION

CDOT SP 804-2 ELECTRIC UTILITY SERVICE CONNECTION

Effective: March 9, 2024

Description. This work shall consist of providing a service connection from City cable to a Commonwealth Edison secondary cable. For an aerial service, this will be on a wood pole. For an underground service, this will be in a Commonwealth Edison manhole or ground mounted transformer enclosure.

General Requirements. This work shall consist of splicing or terminating City service cable to a Commonwealth Edison secondary cable, as directed by the Engineer. The contractor must obtain permission from Edison for the service at the required location. The contractor will inform Edison of the load required. Edison will make the connections unless Edison gives the contractor permission to make the connections. All costs associated with the connection will be borne by the contractor.

Basis of Payment. This work will be paid for at the contract unit price per each for ELECTRIC UTILITY SERVICE CONNECTION.

ITEM 191 - FURNISH AND INSTALL RECTANGULAR RAPID FLASHING SYSTEM, COMPLETE

Description. This work shall consist of furnishing and installing a Rectangular Rapid Flashing Beacon (RRFB) System, Complete with light emitting diodes flashing beacons, solar system, batteries, push-button, wireless communication system, and all necessary connections.

General. The RRFB unit shall be MUTCD and ITE compliant. An RRFB shall only be used to supplement a W11-2 (Pedestrian) warning sign with a diagonal downward arrow (W16-7p) plaque, located at or immediately adjacent to a marked crosswalk.

The manufacturer of all equipment shall have a representative and shop located in the six (6) county Chicago areas. All equipment installed in the RECTANGULAR RAPID FLASHING BEACON SYSTEM, Complete shall be from a single supplier. The supplier shall be responsible for service and support for this equipment. Each RRFB shall include an amber LED verification indicator mounted 90 degree from the faces of the crossing warning signs. This amber LED shall be used to confirm actuation of the RRFB system from the opposite end of the crossing. RRFB system shall have two (2) verification indicators facing to opposite directions. All mounting hardware shall be stainless steel.

Material.

LED Beacon:

1. Beacon Dimensions and Placement in Sign Assembly:

- a. Each RRFB shall consist of two rectangular-shaped yellow indications, each with an LED array based light source. Each RRFB indication shall be a minimum of approximately 5 inches wide by approximately 2 inches high.
- b. The two RRFB indications shall be aligned horizontally, with the longer dimension horizontal and with a minimum space between the two indications of approximately seven inches (7 in), measured from inside edge of one indication to inside edge of the other indication.
- c. The outside edges of the RRFB indications, including any housings, shall not project beyond the outside edges of the W11-2 sign.
- d. The RRFB shall be located between the bottom of the crossing warning sign and the top of the supplemental downward diagonal arrow plaque rather than 12 inches above or below the sign assembly.

2. Beacon Flashing Requirements:

- a. When activated, the two yellow indications in each RRFB shall flash in a rapidly alternating "wigwag" flashing sequence (left light on, then right light on).
- b. Each of the two yellow indications of an RRFB shall have 70 to 80 periods of flashing per minute and shall have alternating but approximately equal periods of rapid pulsing light emissions and dark operation. During each of its 70 to 80 flashing periods per minute, one of the yellow indications shall emit two rapid pulses of light and the other yellow indication shall emit three rapid pulses of light.
- c. The Flasher unit shall be MUTCD and ITE compliant.

3. Beacon Operation:

- a. The RRFB shall be normally dark, shall initiate operation only upon pedestrian actuation, and shall cease operation at a predetermined time after the pedestrian actuation or, with passive detection, after the pedestrian clears the crosswalk.
- b. All RRFBs associated with a given crosswalk shall, when activated, simultaneously commence operation of their alternating rapid flashing indications and shall cease operation simultaneously.
- c. A pedestrian instruction sign with the legend PUSH BUTTON TO TURN ON WARNING LIGHTS should be mounted adjacent to or integral with each pedestrian pushbutton.
- d. A small light directed at and visible to pedestrians in the crosswalk may be installed integral to the RRFB or push button to give confirmation that the RRFB is in operation.

Power source:

Solar system and batteries and AC power:

The beacon shall be able to operate both on 12 V DC with solar powered battery source or hardwire 120V AC power source. The batteries and solar panel shall be post top mounted. The unit will have a minimum array and load capacity of 6A at a nominal 12VDC. Batteries are UL certified AGM 12V, and are field replaceable. The batteries and solar panel are included in the cost of this item.

Push-Button:

The normal state of the latching LED shall be off. When the push button is pressure activated, the LED shall be lighted and remain on until end of a predesignated time. Stations shall be designed to be mounted directly to a post. The station shall be aluminum and shall accept a 3 inch (75mm) round push-button assembly and a regulatory pedestrian instruction sign.

Controller and Wireless Communication System:

The crosswalk flasher units will be linked to each other using a spread spectrum radio link (900-930Mhz operating frequency). The radio will be capable of passing data via RS232. The radio will operate from a nominal 12VDC source and include a status LED lamp to indicate power on. CONTRACT NO. 1628-15554 S-225 RRFB controller shall have the ability to modify operation cycles and be programmed via Windows vase software.

Warranty:

All RRFB components, systems, batteries and installation shall be warranted for a minimum of three (3) year after completed and accepted. Replacement of failed equipment and/or parts shall include labor to remove the failed parts, install new one and proper disposal of the failed parts.

Basis of Payment. This work will be paid for at the contract unit price EACH for RECTANGULAR RAPID FLASHING BEACON SYSTEM, COMPLETE, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 192 - ELECTRONIC TRAFFIC SPEED INDICATOR SIGN, AC POWERED (FURNISH AND INSTALL)

CDOT SP 720-6 ELECTRONIC TRAFFIC SPEED INDICATOR

Effective: November 26, 2024

Description. This work shall consist of furnishing and installing a solar or AC powered radar electronic traffic speed indicator sign bracket mounted to either an existing street light pole or a new dedicated sign pole as specified by CDOT, complete with controller, batteries, solar panel, modem/antenna, communications package to web-based interface, and all necessary connections, licenses, and adjustments required for proper operation.

Material Specifications: 1634
Standard Drawings: None applicable

General Requirements. The contractor must follow specific manufacturer's installation instructions. All cable, mounting brackets, and any other items or methods needed to make the unit operational must be included. All components shall be easily replaceable in the field and shall not require special tools outside those normally found in the industry. Signs shall be mounted to existing street light pole identified by CDOT or a new dedicated sign pole installed by CDOT. Contractor will not have to install a new sign pole. Signs shall be mounted so the bottom of the sign is 14 feet above the ground when located adjacent to a travel lane or bus stop, and 12 feet above the ground when located adjacent to a parking lane or bike lane. The contractor will be responsible for adjusting the angle of the indicator sign so that the radar appropriately detects oncoming traffic and not cross-traffic or vehicles travelling away from the indicator sign. The contractor will be responsible for necessary programming of the unit for specific times of operation. The display shall be 90 MPH wind load rated when installed to manufacturer's specifications. The Contractor shall coordinate with CDOT staff or its agents to activate the sign on the manufacturer's web portal, integrate the signs into CDOT's Advanced Traffic Management System (ATMS) software through the web-based API, and shall correct any deficiencies in the vendor portion of the interface at no cost to CDOT. Final installation of indicator sign and components dependent upon approval by CDOT Commissioner. For AC powered signs, the Contractor shall make necessary power connections to receive power from the light pole. For solar powered signs the contractor shall install the solar panels on the pole to power the signs. The signs shall communicate with the manufacturer's web portal system via cellular communication and share near real-time data via the portal and API. There shall be no communication or yearly/ongoing cost to the City.

To the extent a suitable street light pole with 24/7 power is available at the selected location, City requires the use of AC powered signs. Solar powered signs will be used only when a street light pole with 24/7 AC power is not available in the selected area. If a suitable street light pole with AC power is not available at the selected location, consideration should be given for moving the sign location to the nearest street light pole with power. The solar powered sign shall be used only as the last resort. If a suitable street light pole is not available for the solar powered sign installation, City will install the necessary pole for the Contractor to install the solar powered sign.

Data Protection Requirements for Contractors, Vendors and Third-Parties

"Breach" means the acquisition, access, use, or disclosure of Protected Information that compromises the security or privacy of the Protected Information.

"Contractor" means an entity that receives or encounters Protected Information. Contractor includes, without limitation, entities that store Protected Information, or host applications that process Protected Information. The provisions of this Data Policy includes not only the entity that is a signatory to this Policy but all subcontractors, of whatever tier, of that entity; the signatory must inform and obtain the agreement of such subcontractors to the terms of this Data Policy.

“Protected Information” means all data provided by City to Contractor or encountered by Contractor in the performance of the services to the City, including, without limitation, all data sent to Contractor by City and/or stored by Contractor on its servers. Protected Information includes, but is not limited to, employment records, medical and health records, personal financial records (or other personally identifiable information), research data, and classified government information. To the extent there is any uncertainty as to whether any data constitutes Protected Information, the data in question shall be treated as Protected Information.

1. Information Security. Contractor agrees to the following:

1.1. General. Notwithstanding any other obligation of Contractor under this policy, Contractor agrees that it will not lose, alter, or delete, either intentionally or unintentionally, any Protected Information, and that it is responsible for the safe-keeping of all such information, except to the extent that the City directs the Contractor in writing to do so.

1.2. Access to Data. In addition to the records to be stored / maintained by Contractor, all records that are possessed by Contractor in its service to the City of Chicago to perform a governmental function are public records of the City of Chicago pursuant to the Illinois Freedom of Information Act (FOIA), unless the records are exempt under the Act. FOIA requires that the City produce records in a very short period of time. If the Contractor receives a request from the City to produce records, the Contractor shall do so within 72 hours of the notice.

1.3. Minimum Standard for Data at Rest and Data in Motion. Contractor must, at a minimum, comply, in its treatment of Protected Information, with National Institute of Standards and Technology (NIST) Special Publication 800-53 Moderate Level Control. Notwithstanding this requirement, Contractor acknowledges that it must fully comply with each additional obligation contained in this policy. If data is protected health information or electronic protected health information, as defined in the Health Insurance Portability and Accountability Act and Health Information Technology for Economic and Clinical Health Act (HIPAA/HITECH) and regulations implementing these Acts (see 45 CFR Parts 160 and 164), it must be secured in accordance with “Guidance Specifying the Technologies and Methodologies that Render Protected Health Information Unusable, Unreadable, or Indecipherable to Unauthorized Individuals,” available on the United States Department of Health and Human Services (HHS) website <https://www.hhs.gov/hipaa/for-professionals/breach-notification/guidance/index.html>, or at Volume 74 of the Federal Register, beginning at page 42741. That guidance from the HHS states that valid encryption processes for protected health information data at rest (e.g., protected health information resting on a server), must be consistent with the NIST Special Publication 800-111, Guide for Storage Encryption Technologies for End User Devices. Valid encryption processes for protected health information data in motion (e.g., transmitted through a network) are those which comply with NIST Special Publications 800-52, Guidelines for the Selection and Use of Transport Layer Security Implementation; 800-77, Guide to IPsec VPNs; or 800-113, Guide to SSL VPNs, or others which are Federal Information Processing Standards (FIPS) 140-2 validated.

1.4. Where Data is to be Stored. All data must be stored only on computer systems located in the continental United States.

1.5. Requirement to Maintain Security Program. Contractor acknowledges that the City has implemented an information security program to protect the City’s information assets, which Program is available on the City website at <https://www.chicago.gov/content/dam/city/depts/dti/pdfs/ISTP.pdf> (“City Program”). Contractor shall be responsible for establishing and maintaining an information security program that is designed to: (i) ensure the security and confidentiality of Protected Information; (ii) protect against any anticipated threats or hazards to the security or integrity of Protected Information; (iii) protect against unauthorized access to or use of Protected Information; (iv) ensure the proper disposal of Protected

Information; and, (v) ensure that all subcontractors of Contractor, if any, comply with all of the foregoing.

1.6. Undertaking by Contractor. Without limiting Contractor's obligation of confidentiality as further described herein, in no case shall the safeguards of Contractor's information security program be less stringent than the information security safeguards used by the City Program.

1.7. Right of Audit by the City of Chicago. The City of Chicago shall have the right to review Contractor's information security program prior to the commencement of Services and from time to time during the term of this Agreement. During the performance of the Services, from time to time and without notice, the City of Chicago, at its own expense, shall be entitled to perform, or to have performed, an on-site audit of Contractor's information security program. In lieu of an on-site audit, upon request by the City of Chicago, Contractor agrees to complete, within forty-five (45 days) of receipt, an audit questionnaire provided by the City of Chicago or the City of Chicago's designee regarding Contractor's information security program.

1.8. Audit by Contractor. No less than annually, Contractor shall conduct an independent third-party audit of its information security program and provide such audit findings to the City of Chicago, all at the Contractor's sole expense.

1.9. Audit Findings. Contractor shall implement at its sole expense any remedial actions as identified by the City as a result of the audit.

1.10. Demonstrate Compliance - PCI. No less than annually, as defined by the City of Chicago and where applicable, the Contractor agrees to demonstrate compliance with PCI DSS (Payment Card Industry Data Security Standard). Upon City's request, Contractor must be prepared to demonstrate compliance of any system or component used to process, store, or transmit cardholder data that is operated by the Contractor as part of its service. Similarly, upon City's request, Contractor must demonstrate the compliance of any third party it has sub-contracted as part of the service offering. As evidence of compliance, the Contractor shall provide upon request a current attestation of compliance signed by a PCI QSA (Qualified Security Assessor).

1.11. Demonstrate Compliance – HIPAA / HITECH. If the Protected Information includes protected health information or electronic protected health information covered under HIPAA/HITECH, Contractor must execute, and be governed by, the provisions in its contract with the City regarding HIPAA/HITECH, the regulations implementing those Acts, and the Business Associate Agreement in its contract with the City. As specified in 1.3, protected health information must be secured in accordance with the "Guidance Specifying the Technologies and Methodologies that Render Protected Health Information Unusable, Unreadable, or Indecipherable to Unauthorized Individuals."

1.12. Data Confidentiality. Contractor shall implement appropriate measures designed to ensure the confidentiality and security of Protected Information, protect against any anticipated hazards or threats to the integrity or security of such information, protect against unauthorized access or disclosure of information, and prevent any other action that could result in substantial harm to the City of Chicago or an individual identified with the data or information in Contractor's custody.

1.13. Compliance with All Laws and Regulations. Contractor agrees that it will comply with all laws and regulations.

1.14. Limitation of Access. Contractor will not knowingly permit any Contractor personnel to have access to any City of Chicago facility or any records or data of the City of Chicago if the person has been convicted of a crime in connection with (i) a dishonest act, breach of trust, or money laundering, or (ii) a felony. Contractor must, to the extent permitted by law, conduct a check of public records in all of the employee's states of residence and employment for at least the last five years in order to verify the above. Contractor shall assure that all contracts with subcontractors impose these obligations on the subcontractors and shall monitor the subcontractors' compliance with such obligations.

1.15. Data Re-Use. Contractor agrees that any and all data exchanged shall be used expressly and solely for the purposes enumerated in the Agreement. Data shall not be distributed, repurposed or shared across other applications, environments, or business units of Contractor. As required by Federal law, Contractor further agrees that no City of Chicago data of any kind shall be revealed, transmitted, exchanged or otherwise passed to other Contractors or interested parties except on a case-by-case basis as specifically agreed to in writing by an officer of the City of Chicago with designated data, security, or signature authority.

1.16. Safekeeping and Security. Contractor will be responsible for safekeeping all keys, access codes, passwords, combinations, access cards, personal identification numbers and similar security codes and identifiers issued to Contractor's employees, agents or subcontractors. Contractor agrees to require its employees to promptly report a lost or stolen access device or information to their primary business contact and to the City of Chicago Information Security Office.

1.17. Mandatory Disclosure of Protected Information. If Contractor is compelled by law or regulation to disclose any Protected Information, the Contractor will provide to the City of Chicago with prompt written notice so that the City of Chicago may seek an appropriate protective order or other remedy. If a remedy acceptable to the City of Chicago is not obtained by the date that the Contractor must comply with the request, the Contractor will furnish only that portion of the Protected Information that it is legally required to furnish, and the Contractor shall require any recipient of the Protected Information to exercise commercially reasonable efforts to keep the Protected Information confidential.

1.18. Data Breach. Contractor agrees to comply with all laws and regulations relating to data breach, including without limitation, the Illinois Personal Information Protection Act and other applicable breach disclosure laws and regulations. Data breaches of protected health information and electronic protected health information shall be governed by the provisions regarding HIPAA/HITECH, and the regulations implementing those Acts, in the Contractor's contract with the City, specifically the Business Associate Agreement in such contract. Contractor will immediately notify the City if security of any Protected Information has been breached, and will provide information as to that breach in such detail as requested by the City. Contractor will, if requested by the City, notify any affected individuals of such breach at the sole cost of the Contractor.

1.19. Data Sanitization and Safe Disposal. All physical and electronic records must be retained per federal, state and local laws and regulations, including the Local Records Act. Where disposal is approved, the Contractor agrees that prior to disposal or reuse of all magnetic media (e.g. hard disk, floppy disk, removable media, etc.) which may have contained City of Chicago data shall be submitted to a data sanitization process which meets or exceeds DoD 5220.28-M 3-pass specifications. Certification of the completion of data sanitization shall be provided to the City of Chicago within 10 days of completion. Acceptance of Certification of Data Sanitization by the Information Security Office of the City of Chicago is required prior to media reuse or disposal. All other materials which contain City of Chicago data shall be physically destroyed and shredded in accordance to NIST Special Publication 800-88, Guidelines for Media Sanitization, specifications.

1.20. End of Agreement Data Handling. The Contractor agrees that upon termination of this Agreement it shall return all data to the City of Chicago in a useable electronic form, and erase, destroy, and render unreadable all data in its entirety in accordance to the prior stated Data Sanitization and Safe Disposal provisions. Data must be rendered in a manner that prevents its physical reconstruction through the use of commonly available file restoration utilities. Certification in writing that these actions have been completed must be provided within 30 days of the termination of this Agreement or within 7 days of a request of an agent of the City of Chicago, whichever shall come first.

Manufacturer's Warranty. Eight-year full manufacturer's warranty for all parts, labor, and maintenance for any repairs or replacement from the date of installation. If CDOT reports that a sign is not working per specification within eight years of installation or acceptance, whichever is later, the contractor/manufacturer

or its agent shall inspect the sign and have it repaired or replaced at no cost to the City within 90 days or City reporting the malfunction. The contractor and/or manufacturer shall be responsible for all additional costs for repair and replacement covered by warranty, including shipping, handling, and taxes. A signed agreement shall be provided, verifying the above warranty and be transferred to the Chicago Department of Transportation by the contractor and/or manufacturer.

The Contractor shall transfer to City all licenses associated with using the physical hardware (the Sign) and the web components and data API.

The usage license shall include software use and full maintenance and support services for the software for a minimum period of 8 years from the date of the City's final acceptance.

The software license shall be fully transferable to CDOT. Transfer shall be completed prior to final written acceptance.

The software license provided by the vendor shall be subject to the City of Chicago Data Protection Requirements for Contractors, Vendors and Third Parties. A copy of this document is provided in the Appendix.

In no event shall the software license include an obligation by the licensee to indemnify the licensor.

Software license shall allow a minimum of 100 concurrent users for any client based or cloud services.

Written evidence of the transfer shall be certified by an authorized representative of the software vendor and provided to the City.

The software license shall grant the City full use of the Web-based software including access to the data collected by the sign and all data analytic tools of the Web portal software. The capabilities of the software may be enhanced but shall not be reduced

Method of Measurement. Electronic Traffic Speed Indicator Sign will be measured for payment in place for each installed sign assembly.

Basis of Payment. This work will be paid for at the contract unit price per each for ELECTRONIC TRAFFIC SPEED INDICATOR SIGN, of the type specified, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 193 - POLE, ANCHOR BASE, RELOCATE COMPLETE

Description. This work will consist of the removal from one location and the reinstallation at another location of an existing anchor base pole and attached street light equipment as specified on the plans or as directed by the Engineer. All labor, equipment, and materials necessary to remove and reinstall the pole will be included in the cost of this item. No additional cost will be involved in relocating the pole with attached electrical equipment. No additional cost will be involved in dis-assembly or re-assembly of the pole and associated equipment.

General Requirements. The electrical pole to be moved will be disassembled as required or left with electrical equipment attached, as directed by the Engineer. The pole must be transported with care to prevent damage. All necessary removals, as determined by the Engineer, that arise will be included in the cost of POLE, ANCHOR BASE, RELOCATE COMPLETE. The pole will be installed on another foundation using double-nut installation. The pole must be set plumb and be properly orientated with respect to the arm and luminaire.

The Contractor shall use cable splices as necessary in order to disconnect and reconnect the cables. The detailed splicing procedure is described in Article 873.03 of the Standard Specifications. All cable splices will be included in the cost of this item.

If the equipment is not reinstalled within the same day that the equipment is removed it will be stored at a facility approved by the Commissioner, at the contractor's expense.

Method of Measurement. Electrical poles to be relocated will be measured for payment by each unit removed and reinstalled.

Basis of Payment. Electrical pole relocation will be paid for at the contract unit price per each for POLE, ANCHOR BASE, RELOCATE COMPLETE, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 194 - MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING

Description. The Contractor shall maintain all existing, temporary and new traffic signal and street lighting equipment at each intersection in this contract, as described herein and as directed by the Commissioner.

Limits and Duration: At least one week prior to construction at an intersection, the Contractor shall conduct a signal inspection with the Commissioner, and a representative of the Division of Electrical Operations (DEO). The signal inspection will reveal defective existing traffic signal and streets lighting items such as inductive loop detectors, lead-in cable, luminaries, ballast, junction boxes and so forth, and the Contractor will not be held responsible for these items. In the event the Contractor fails to contact the Commissioner for the signal inspection, the Contractor shall be held responsible for all the signal items remaining defective at the completion of the construction.

The maintenance shall commence at a time after contract award that is mutually agreed upon by the Contractor, the Commissioner, and the Division of Electrical Operations (DEO), but no later than the beginning of construction by the Contractor. The maintenance responsibility will end upon issuance of Signal Acceptance Notice by the Commissioner. At intersections where new signals are being installed the maintenance responsibility will begin on the date agreed upon and shall end upon the Signal Acceptance Notice by the Commissioner.

If construction is delayed for any reason whatsoever the traffic signals, street lighting, and temporary equipment shall be continuously maintained by the Contractor at no additional cost to the City.

Temporary Equipment: Temporary aerial wiring shall be installed to all traffic signals and street lighting with the limits of this improvement. The Contractor shall select an aerial wiring scheme based on the specific requirements of each intersection. The Contractor may use multi-conductor self-supporting cable or cable requiring messenger wire of sufficient voltage and rating to handle the intersection electrical requirements as approved by the Commissioner. The Contractor shall submit a sketch of the proposed wiring scheme (wire location, type of cable) to the Commissioner for approval prior to installation. Any cables or wires utilized for this work below an elevation of 10 feet above the sidewalk shall be protected from access and view by split-duct or PVC conduit and shall be properly secured to existing pole(s) through banding or other method as approved by the Commissioner. All split ducts shall be securely tied with cable ties or other approved method at intervals of not more than three (3) feet. Drilling or notching of poles, cabinets or junction boxes is expressly prohibited. Entry into poles at the pole tops is permissible. Entry into junction boxes by removing the top cover plate is also permissible provided that the plate and all screws shall be re-installed at the end of the project. The cost of all labor material and equipment required to install, maintain and remove temporary aerial wiring shall be included in the contract unit price of this item and no additional compensation will be allowed.

When feasible the existing traffic signals may be used as temporary traffic signals during the construction period. Existing signal heads, poles, posts, traffic signal controllers, conduit, manholes, or handholes which conflict with the proposed location of signal infrastructure shall be relocated, removed, or abandoned as determined by the Commissioner. Temporary poles and signals required to operate the intersection as described herein shall be installed by the Contractor. The relocation of the existing traffic controller will require a temporary base. The temporary location of the traffic signal controller shall be approved by the Commissioner. The Contractor shall submit a sketch of the proposed controller, pole and signal head locations to the Commissioner for approval prior to installation. The cost of all labor, material and equipment required to install, maintain, and remove temporary controllers, signals and poles shall be included in the contract unit price of this item and no additional compensation will be allowed.

The work shall include any necessary temporary devices to maintain existing illumination. The location of the temporary devices will be subject to approval of the Commissioner. Any temporary wire and cable which may be required to be installed overhead between existing poles or temporary devices shall be furnished, installed, terminated and maintained in service until the proposed lighting equipment is installed, tested,

and accepted for operation by the Commissioner. The cost of all labor, material and equipment required to install, maintain, and remove temporary street lighting shall be included in the contract unit price of this item and no additional compensation will be allowed.

Maintenance Responsibilities: The contractor shall be responsible for maintaining the traffic signal installation in proper operating condition in accordance with the "Operation of Traffic Signals" Section of this specification.

The Contractor will be responsible for the controller programming to provide for safe and efficient signal operation during construction. The Contractor may seek assistance from City personnel on the appropriate controller settings.

The Contractor shall maintain, in stock, a sufficient amount of materials to provide temporary and permanent repairs. Any damage to the existing or temporary signal or street lighting equipment from any cause whatsoever shall be repaired or replaced by the Contractor. This work will be considered as included in the contract unit price of this item and no additional compensation will be allowed.

Roadway lighting systems which are being replaced shall remain operational throughout the project. No lighting circuit or portion thereof will be removed from nighttime operation without the approval of the Commissioner.

The Contractor will perform the following general maintenance procedures:

1. Inspection: Patrol and inspect the signals and street lighting once every 24 Hours for proper alignment of signal heads, lamp outages, and general operation of traffic signals and street lighting.
2. Correction: Provide immediate corrective action to realign signal and replace burned-out lamps or damaged sockets with new lamps or sockets. At the time of replacement, the reflector and lens shall be cleaned.
3. Personnel: The Contractor shall provide the Commissioner the names and telephone numbers of two persons who will be available 24 hours a day, seven days a week, to perform any necessary work on the signals or street lighting.

Emergency Maintenance: The Contractor shall respond to all emergency calls from the Commissioner or other Agencies of the City of Chicago within one (1) hour after notification and provide immediate corrective action. The Contractor shall complete all repairs within time-frame noted here in. The Contractor shall repair Street Lighting One-Outs within 7 days, Street Lighting All-Outs within 4 days, Traffic Light outs within 24 Hours.

When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the City. The Contractor may institute action to recover damages from a responsible third party.

The Contractor shall install "STOP" signs on all approaches as a temporary means of regulating traffic during the time of repair.

If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal and street lighting in proper operating condition or if the Commissioner cannot contact the Contractor's designated personnel within one (1) hour, the City will perform the maintenance work required. The Contractor will be charged for the total cost of the work with a 500% mark-up. The cost of such work will be deducted from the amount due the Contractor.

Operation of Traffic Signals: The Contractor is hereby advised that all existing traffic control equipment at these intersections is the property of the City of Chicago.

The Contractor is further advised that the existing traffic signals, or the temporary installation, shall remain in operation during all construction stages except for the most essential down time. Any shutdown of the installation, for a period to exceed fifteen (15) minutes, shall have the prior approval of the Commissioner. Such approval will generally only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Any other traffic signal shutdown, either for periods in excess of one (1) hour or outside of the 10:00 a.m. to 3:00 p.m. weekday period shall have prior approval of the Commissioner.

Any known or suspected damage to the electrical facility shall be reported immediately to the Commissioner. The Contractor will be held fully responsible for the repair of existing and/or temporary traffic signal equipment, if, in sole opinion of the Commissioner, such damage was caused by the negligence of the Contractor, his agents, or employees.

City Acceptance of New Equipment: The Contractor shall request a turn-on date at least two (2) weeks in advance. Forty-eight (48) hours prior to the turn on, the Resident Engineer (CDOT), DEO representative, and the Contractor shall walk the site to confirm the intersection is complete. Division of Electrical Operations (DEO) personnel will complete the field test at the traffic signal turn-on inspection.

The Contractor will be provided a preliminary punch-list indicating the items that failed the turn on inspection and require corrective measures. The Commissioner, may allow the Contractor to activate the signal in continuous operation, but this will not relieve the Contractor from correcting the failed items. The Contractor shall notify the Commissioner when all the failed items on the punch list have been corrected and shall request an inspection. A Turn-on Inspection will not be considered successful until each failed item on the punch list has been corrected by the Contractor to operate according to the contract and to the satisfaction of the Commissioner. Only after a successful Turn-on Inspection will the signals be considered ready for the final inspection and a 30-day on-site acceptance period shall start.

After a successful turn-on inspection, the signals will begin a 30 calendar day minimum onsite monitoring phase. During this phase, the Contractor shall continuously monitor the operation of the traffic signal items including but not limited to controllers, loop detectors, video detector, conflict monitors, and controller cabinets with peripheral materials. Failure of any component during the monitoring period, with the exception of expendable items such as light bulbs and fuses, shall be reported to the Commissioner and corrective measures shall be taken by the Contractor to the satisfaction of the Commissioner. A failed item will necessitate restarting the 30-day monitoring period for its full 30-day duration beginning at the time when the failed item was corrected by the Contractor to the satisfaction of the Commissioner.

City personnel will inspect the conflict monitor for alerts and review the DEO Dispatch Log on day thirty (30). Provided there are no alerts or dispatched calls during the 30-day monitoring period and all items on the preliminary punch-list are complete a final inspection will be scheduled.

The final inspection shall be performed with the Contractor, the Commissioner, and a representative from the Division of Electrical Operations (DEO). Upon satisfactory completion of the final inspection the Commissioner will issue Signal Acceptance Notice to the Contractor. The Contractor will be given the final "punch-list" per intersection following the final inspection at each intersection. The Contractor will be responsible to ensure the final punch-list is completed for each intersection within the number of calendar days allowed as indicated in Book 2 of the Contract Documents. The Contractor will be assessed punchlist liquidated damages in the amount shown in Book 2 for each final punch-list per intersection not completed.

Method of Measurement. This work shall be measured per intersection per calendar day. The time frame shall begin at the mutually agreed date for Contractor to assume maintenance. The time frame shall end upon the issuance of a Signal Acceptance Notice from the Commissioner for the new installation.

Basis of Payment. This work shall be paid for at the contract unit price per intersection calendar day for MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND STREET LIGHTING, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal, street lighting installation in proper operating condition or if the Commissioner cannot contact the Contractor's designated personnel, the City will perform the maintenance work required. The Contractor will be charged for the total cost of the work with a 500% mark-up. The cost of such work will be deducted from the amount due to the Contractor.

ITEM 195 - BREAKDOWN HANDHOLE
ITEM 196 - BREAKDOWN MANHOLE

CDOT SP 895-12 BREAKDOWN HANDHOLE OR MANHOLE

Effective: June 7, 2024

Description. This work consists of breaking down an existing handhole or manhole and filling in the affected area to grade.

General Requirements. This work shall consist of removing the frame and cover of an existing handhole or manhole, breaking down the handhole/manhole walls, removing large debris, and backfilling the hole with screenings or other approved material. Backfill shall be installed in 6-inch layers and tamped. If the handhole or manhole is in a parkway, the hole shall be filled level to the existing grade. The top six inches of fill shall be of an approved soil mixture. If the handhole/manhole is in sidewalk or in pavement, the sidewalk or pavement shall be restored under a different pay item. If the frame or cover is deemed re-useable by the Engineer, the frame and/or cover shall be delivered to the CDOT Division of Electrical Operations at a location identified by the Engineer. Any debris, including the frame and cover shall be disposed of off-site in an approved manner. The contractor shall pay for all disposal fees.

Basis of Payment. This work will be paid for at the contract unit price per each for BREAKDOWN HANDHOLE, or BREAKDOWN MANHOLE.

ITEM 197 - REMOVING MANHOLES
ITEM 198 - REMOVING CATCH BASINS
ITEM 199 - REMOVING INLETS

CDOT SP 605-1 REMOVING MANHOLES, CATCH BASINS, AND INLETS

Effective: May 15, 2009
Revised: March 7, 2025

Description. Work under this item shall be performed as detailed in the plans, standard drawings, work order and/or as directed by the Commissioner, and according to Section 605 of the IDOT Standard Specifications for Road and Bridge Construction, except as herein modified.

General Requirements. The void formed by the removal of the structure shall be backfilled with coarse aggregate and compacted as specified in the City of Chicago Department of Water Management Standard Specifications for Water and Sewer Main Construction.

The Contractor shall deliver all old frames to the City at a facility designated by the Commissioner. A signed and dated receipt for the delivery of the old frames shall be given to the Commissioner.

Method of Measurement. This work will be measure for payment per each manhole, catch basin or inlet removed. All work associated with the salvage of the frames and lids shall be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per each for REMOVING MANHOLES, REMOVING CATCH BASINS or REMOVING INLETS.

ITEM 200 - BREAKDOWN CONCRETE FOUNDATION, POLE, POST OR CONTROLLER

*** BREAKDOWN CONCRETE FOUNDATION**

Effective: June 7, 2024

Description. This work shall consist of removing and disposing an existing concrete foundation for lighting, traffic signal, or other electrical equipment.

General Requirements. Removal shall consist of completely removing a foundation or breaking a foundation down to a point three feet below grade, disposing of the debris offsite in an approved manner, backfilling the excavation with screenings or other approved backfill material, and reconstructing the surface area. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately. Debris shall be disposed of according to Section 202.03 of the Standard Specifications. Backfill shall meet the requirements of Section 1003.04 of the Standard Specifications.

Basis of Payment. Breakdown of foundations will be paid for at the contract unit price per each for BREAKDOWN CONCRETE FOUNDATION, of the type specified.

ITEM 201 - REMOVE RISER ON EMBEDDED POLE 1 1/4", 2"

ITEM 202 - 2W RACKS - REMOVE

ITEM 203 - REMOVE AERIAL CABLE

ITEM 204 - REMOVE SVC CABLE IN CONDUIT, 3#2

ITEM 205 - REMOVE BRANCH WIRES 2W/2NC

ITEM 206 - REMOVE TRUSS ALUMINUM MAST ARM 25'

ITEM 207 - REMOVE CABLE IN CONDUIT 7, 10, 14, 19, OR 22/C OR LIGHTING CABLE

ITEM 208 - REMOVE SERVICE CABLE IN CONDUIT - 2/C

Description. This work will consist of the removal and disposal of existing electrical equipment including, but not limited to, ballast bases, risers, racks, cross arms, cable, truss arms, and clamps as specified on the plans or as directed by the Engineer.

General Requirements. Electrical equipment to be removed must be disassembled as required for the complete removal of the item from the work site. All work and items associated with the removal of the electrical equipment will be included in the cost of this item.

Method of Measurement. Electrical equipment to be removed will be measured for payment by each unit removed, with the exception of cable. Cable will be measured by the foot. Cable to be removed must be measured by horizontal distances only from point to point, and will not include slack, sag, or other vertical dimensions.

Basis of Payment. Electrical equipment removal will be paid for at the contract unit price for each unit removed. Cable removal will be paid for at the contract unit price per foot, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 209 - REMOVE POLE, STEEL, ANCHOR BASE, 11 GA, 20'
ITEM 210 - REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 32'6"
ITEM 211 - REMOVE POLE, STEEL, ANCHOR BASE, 7 GA, 34'-6"
ITEM 212 - REMOVE LUMINAIRE, 400W/310W, 150W/100W
ITEM 213 - REMOVE STREET LIGHT MAST ARM
ITEM 214 - REMOVE TRAFFIC SIGNAL MAST ARM
ITEM 215 - REMOVE TRAFFIC SIGNAL HEAD, 1 FACE
ITEM 216 - REMOVE PEDESTRIAN SIGNAL HEAD
ITEM 217 - REMOVE PEDESTRIAN PUSH BUTTON
ITEM 218 - REMOVE TRAFFIC SIGNAL POST 7'/15'/17'/20'
ITEM 219 - REMOVE CONTROLLER AND POST
ITEM 220 - REMOVE JUNCTION BOX, TSS-18
ITEM 221 - REMOVE CONTROLLER ONLY

Description. This work will consist of the removal, salvage, and delivery of existing electrical equipment, including but not limited to light poles, arms, luminaires, signs, signals, controllers, and enclosures as specified on the plans or as directed by the Engineer. Salvaged electrical equipment must be delivered to the Division of Electrical Operations yard at 24th and Ashland or to another City of Chicago location as directed by the Engineer.

General requirements. Electrical equipment to be removed and salvaged must be disassembled as required for the complete and safe removal and transport of the item from the work site. Electrical equipment must be hoisted, loaded and secured on adequate transport with care to prevent damage. All work and items associated with the removal of the equipment will be included in the cost of this item.

Method of Measurement. Electrical equipment to be removed and salvaged must be measured per each unit removed and salvaged.

Basis of Payment. Electrical equipment removal and salvage will be paid for at the contract unit price for each unit removed and salvaged, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 222 - REMOVE POLE, STEEL, EMBEDDED, CTA, 30'
ITEM 223 - REMOVE POLE, STEEL, EMBEDDED, 7 GA, 33'

Description. This work will consist of the removal, salvage, and delivery of existing embedded poles and the restoration of the disturbed area as specified on the plans or as directed by the Engineer. Salvaged poles must be delivered to the Bureau of Electricity yard at 2441 S Ashland Ave. or to another City of Chicago location as directed by the Engineer.

General Requirements. Electrical poles to be removed must be disassembled as required for the complete and safe removal and transport of the item from the work site. Poles will be hoisted, loaded and secured on adequate transport with care to prevent damage. All work and items associated with the removal of the pole will be included in the cost of this item. If a CTA pole cannot be removed, it must be burned off at 18 inches below grade and disposed of in an approved manner as directed by the Engineer. The area must then be restored in an approved manner. If sidewalk, driveway pavement, or pavement must be removed or replaced, such work will be paid for separately. If parkway must be replaced, such work will be paid for separately. The engineer will determine if the pole is salvageable. Disposal of the pole, if necessary, will be included in the cost of this item.

Method of Measurement. Electrical poles to be removed will be measured for payment by each unit removed and salvaged.

Basis of Payment. This work will be paid at the contract unit price per each for REMOVE POLE, STEEL, EMBEDDED, of the size and type specified, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 224 - REMOVE SERVICE EQUIPMENT

Description. This work will consist of the removal and disposal of existing electrical service equipment, except that the junction box must be salvaged and delivered to the Bureau of Electricity as specified on the plans or as directed by the Engineer. The junction box must be delivered to the Bureau of Electricity yard at Cicero and 41st Street or to another City of Chicago location as directed by the Engineer. The remainder of the removal shall conform to the requirements of Specification 541.

General Requirements. Electrical service equipment to be removed must be disassembled as required for the complete removal of the item from the work site. All work and items associated with the removal of the service equipment will be included in the cost of this item. The junction box to be removed and salvaged must be disconnected from the conduit riser and cables as required for safe removal and transport. The junction box must be handled with care to prevent damage.

Method of Measurement. Electrical service equipment to be removed will be measured for payment by each service unit removed. This will include disconnecting all cable from the disconnect box, the removal of the service entrance cable, removal of the disconnect box, removal of any conduit or other pole attachments, and the salvaging of the disconnect box. Removal of the cable from the disconnect box to the street light or traffic controller will not be included under this item.

Basis of Payment. This work will be paid for at the contract unit price per each for REMOVE SERVICE EQUIPMENT, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 225 - REINSTALL TRAFFIC SIGNAL MAST ARM
ITEM 226 - REINSTALL STREET LIGHTING MAST ARM
ITEM 227 - REINSTALL LUMINAIRE MAST ARM
ITEM 228 - REINSTALL POLE
ITEM 229 - REINSTALL POST
ITEM 230 - REINSTALL PEDESTRIAN SIGNAL
ITEM 231 - REINSTALL TRAFFIC SIGNAL

Description. This work will consist of reinstalling a traffic signal and lighting equipment at locations as shown on plans or as directed by engineer. Contractor shall take care to removing items identified for reinstallation so as not to damage it. All labor and materials will be included in the cost of this item.

Method of Measurement. This work will be measured per each item reinstalled.

Basis of Payment. This work will be paid for at the contract unit price per each for REINSTALL item specified, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 232 - TEMPORARY TRAFFIC SIGNAL - CASE 1

ITEM 233 - TEMPORARY TRAFFIC SIGNAL - CASE 2

ITEM 234 - TEMPORARY TRAFFIC SIGNAL - CASE 3

Description. This work will consist of furnishing, installing, maintaining, relocating and ultimately removing temporary traffic signal equipment at locations as directed by the Commissioner.

Installation.

TEMPORARY TRAFFIC SIGNAL -CASE I

The installation of Temporary Traffic Signal shall be according to section 890 of standard specification. Temporary poles and all signal equipment required to operate the intersection shall be furnished and installed by the Contractor. The Contractor shall submit a sketch of the proposed controller, pole and signal head locations to the Commissioner for approval prior to installation. Contractor shall develop signal timing sheets for CDOT review and approval. The cost of all labor, material and equipment required to furnish, install, maintain, and remove temporary controllers, signals and poles shall be included in the TEMPORARY TRAFFIC SIGNAL -CASE I.

TEMPORARY TRAFFIC SIGNAL – CASE II

Existing signal equipment will be used to maintain signal operations. Temporary aerial wiring shall be used. The Contractor shall select an aerial wiring scheme based on the specific requirements of each intersection. The Contractor may use multi-conductor self-supporting cable or cable requiring messenger wire of sufficient voltage and rating to handle the intersection electrical requirements as approved by the Commissioner. The Contractor shall submit a sketch of the proposed wiring scheme (wire location, type of cable) to the Commissioner for approval prior to installation. Any cables or wires utilized for this work below an elevation of 10 feet above the sidewalk shall be protected from access and view by split-duct or PVC conduit and shall be properly secured to existing pole(s) through banding or other method as approved by the Commissioner. All split ducts shall be securely tied with cable ties or other approved method at intervals of not more than three (3) feet. Drilling or notching of poles, cabinets or junction boxes is expressly prohibited. Entry into poles at the pole tops is permissible. Entry into junction boxes by removing the top cover plate is also permissible provided that the plat and all screws shall be re-installed at the end of the project. The cost of all labor material and equipment required to furnish, install, maintain and remove temporary aerial wiring shall be included in the contract unit price of this item TEMPORARY TRAFFIC SIGNAL -CASE II.

TEMPORARY TRAFFIC SIGNAL – CASE III

Some existing signal equipment will be used to maintain signal operations. The installation of Temporary Traffic Signal shall be according to section 890 of the Standard Specifications for Road and Bridge Construction. Temporary poles and signal equipment required to operate the intersection shall be furnished and installed by the Contractor in locations where existing signal equipment cannot be used. The Contractor shall submit a sketch of the proposed controller, pole and signal head locations as well as the existing poles that are to remain in use to the Commissioner for approval prior to temporary traffic signal installation. Contractor shall develop signal timing sheets for CDOT review and approval. Temporary aerial wiring shall be used if needed. The Contractor shall select an aerial wiring scheme based on the specific requirements of each intersection. The Contractor may use multi-conductor self-supporting cable or cable requiring messenger wire of sufficient voltage and rating to handle the intersection electrical requirements as approved by the Commissioner. The Contractor shall submit a sketch of the proposed wiring scheme (wire location, type of cable) to the Commissioner for approval prior to installation. Any cables or wires utilized for this work below an elevation of 10 feet above the sidewalk shall be protected from access and view by split-duct or PVC conduit and shall be properly secured to existing pole(s) through banding or other method as approved by the Commissioner. All split ducts shall be securely tied with cable ties or other approved method at intervals of not more than three (3) feet. Drilling or notching of poles, cabinets or junction boxes is expressly prohibited. Entry into poles at the pole tops is permissible. Entry into junction boxes by removing the top cover plate is also permissible provided that the plat and all screws shall be re-installed at the end

of the project. The cost of all labor material and equipment required to furnish, install, maintain and remove temporary aerial wiring shall be included in the contract unit price of this item TEMPORARY TRAFFIC SIGNAL -CASE III.

Method of Measurement. This work shall be measured per each intersection.

Basis of Payment. This work shall be measured per each intersection for TEMPORARY TRAFFIC SIGNAL – CASE I or TEMPORARY TRAFFIC SIGNAL – CASE II or TEMPORARY TRAFFIC SIGNAL – CASE III, which price must be payment in full for all labor, tools, equipment, and materials necessary to complete the work as specified.

ITEM 235 - INTERSECTION TECHNOLOGY ENHANCEMENTS

CDOT SP 863-4 INTERSECTION TECHNOLOGY ENHANCEMENTS

Effective: June 5, 2024

Revised: June 3, 2025

Description. The following CDOT Division of Electrical Operations (DEO) material specifications and standard drawings are applicable to this work.

Material Specifications: 1620, 1622

Standard Drawings: None

This work shall consist of furnishing, installing, integration, and testing a set of environmentally hardened communications node equipment at a signalized intersection. The equipment shall collectively interface with the traffic signal controller, enable remote monitoring of the traffic and signal operations, and provide network connectivity.

Materials. Equipment shall meet the requirements of Material Specification 1620 and 1622.

General Requirements. The Intersection Technology Enhancements (ITE) shall have video detection (camera) and Data and Communications Node (DCN) comprising of web interface, video processing software, data storage, and input/output interfaces. The DCN shall include multiple backhaul communications options including Ethernet over hardwired copper or fiber cabling and cellular communications backhaul. The node shall support full control of the intersection hardware including the remote management and control of the traffic signal controller.

Fiber backhaul requires coordination with the Chicago Office of Emergency Management and Communications (OEMC) to complete an end-to-end communications link between field device locations and the Chicago Traffic Management Center (TMC).

Cellular backhaul requires service coordination with the Chicago Department of Technology and Innovation and Technology (DTI) to complete an end-to-end, broadband cellular communications link between field device locations and the Chicago TMC. The cellular modem may be a separate unit or integrated into the intersection communications node. In either case, the cellular modem, establishing cellular service in DTI's name, installation, and coordination requirements shall be as required in the special provision for Cellular Modem.

The communications node shall be provided with all required components, including power supply, cables, mounting hardware, and all accessories required to make the system fully operational in accordance with these specifications. The camera shall be mounted to at a height that allows full visibility of the intersection as required to achieve the performance requirements of this special provision. If additional cameras, mounting arms, or cabling are required to achieve the detection accuracy requirements specified herein, they shall be furnished and installed at no additional cost beyond the original bid price.

The ITE shall be forward compatible to support connected vehicle technology including, but not limited to Dedicated Short Range Communications (DSRC) and adaptive traffic signal controls.

Final equipment selection, procurement, and provisioning shall be coordinated with DTI and COOT.

Identical and completely interchangeable equipment shall be used at each field location.

All equipment shall include the manufacturer's installation and operations manuals in hardcopy and electronic PDF formats.

The contractor shall provide documentation of the exact equipment model and serial numbers in hardcopy and electronic PDF formats.

Construction Requirements.

General

1. Installation shall be done in accordance with manufacturer recommendations.
2. Contractor shall securely mount the intersection communications node equipment inside the signal cabinet in designated locations as shown on the plans.
3. Contractor shall securely mount the video detection camera(s) to the designated city infrastructure and route cabling within city raceways as shown on the plans. Drip loops shall be used for all exposed cabling.
4. Cabling length shall remain within required Ethernet and serial communications limits. Cable slack shall be provided at pull points and at the cabinet for maintenance access of equipment.
5. If an integrated cellular modem is used, the Contractor shall perform the associated survey and installation work as specified in the Cellular Modem special provision. Contractor shall neatly route and secure all cabling within the cabinet.
6. Contractor shall configure the communications node equipment with enabled security and interoperability within the existing City network as directed by the Engineer, including VPN settings and local IP address. Administrative account login credentials shall be provided to the Engineer.
7. Contractor shall provide field troubleshooting support during integration and testing by the CDOT Advanced Traffic Management System (ATMS) administrator.

Integration

1. Contractor shall develop a Device Integration Plan (DIP) and submit it to the Engineer for approval at least 14 days prior to field installation. Equipment shop drawing approvals shall be obtained prior to submitting the DIP.
2. The Contractor shall contact the original equipment manufacturer (OEM) and the CDOT ATMS administrator to facilitate the sharing of device information. Contractor shall obtain recommendations and support services from these parties and incorporate them into the DIP.
3. Contractor shall set up a bench test if recommended by the equipment manufacturer or CDOT ATMS administrator. Configuration support is to be provided by the OEM, their representative, or the CDOT ATMS administrator with support from the OEM. Location of the bench test shall be proposed by the Contractor for approval by the Engineer.
4. Contractor shall coordinate with CDOT Division of Electrical Operations (DEO) for all work affecting existing city infrastructure and equipment.
5. The DIP shall include the following:
 - a. Updated communications node locations and layouts inside cabinets
 - b. Current device communications interconnect schematics
 - c. Proposed technical steps for integration and validation
 - d. Configuration settings for each communications interface for each equipment

6. Support from the OEM shall include on-site installation guidance, equipment configuration settings, and troubleshooting. Physical installation work shall be performed by the Contractor.
7. Support from the CDOT ATMS administrator shall include modifications and software programming necessary to integrate the data from the DCN equipment.
8. Contractor shall provide field support for equipment at the intersection and shall coordinate with the CDOT traffic signal management software vendor, Kapsch, and the CDOT ATMS administrator to assist with integration.

Acceptance Testing

1. Contractor shall develop an Acceptance Test Plan (ATP) and submit it to the Engineer for approval. The Contractor shall obtain the recommendations from the equipment manufacturer and CDOT ATMS administrator and incorporate them in the ATP.
2. The ATP shall document detailed steps to verify each required functional performance of the equipment.
3. The ATP shall include checklists for each test. Each checklist item shall have defined pass/fail criteria with a reserved space to record the results.
4. Corrective actions shall be documented in detail on checklist forms.
5. Testing shall be witnessed by representatives of the Contractor and the Engineer.
6. Each checklist shall include areas for signatures by representatives of the Contractor's representative and the Engineer's representative. Completed checklists shall be provided to the Engineer in hardcopy and electronic PDF formats.
7. The ATP shall include three levels of testing:
 - a. Local – Verification that each individual equipment of the ITE is installed and functioning properly. A City (DTI) provided SIM card is installed in the DCN and the DCN is communicating with the OEM's cloud server and the City networks. The detection zones are configured in the DCN and vehicles/ped actuation detection is working correctly. All approaches of the intersection shall be clearly visible on the video camera.
 - b. Subsystem – Verification that connected field devices are properly communicating with the DCN and the signal controller. The signal controller shall be receiving the detections from the ITE and the DCN shall be receiving the signal phasing data (telemetry) from the controller.
 - c. System – Verification that the connected field devices are properly configured and communicating with the Chicago ATMS, central signal software. ATMS Administrator shall be able to access the signal controller's website through the DCN. ATMS shall receive detection data from the OEM's portal, OEM's portal shall display signal telemetry, live and historical video, traffic counts, and signal performance measures.
8. The Contractor shall submit to the Engineer a proposed schedule for conducting the approved ATP.
9. The Contractor shall conduct pre-testing to confirm equipment readiness before the formal acceptance testing takes place.

10. After all levels of testing are successfully completed and accepted by the Engineer, there shall be a 60-day burn-in period to verify the continuous and stable operation of the DCN and continued achievement of accuracy requirements.
 - a. The Contractor shall document all failures, including description, date, time, and location of each occurrence. The written documentation shall be provided to the Engineer.
 - b. Major failures shall require the restarting of the 60-day burn-in period following the correction of the issue. Major failures shall include those that involve more than 48 hours to resolve the issue or frequent recurrence of minor failures as determined by the Engineer.
 - c. Minor failures shall require the pausing of the 60-day burn-in period until the issue is resolved; then resuming the 60-day burn-in period.

Licensing

1. The Contractor shall submit a sample license document from the OEM along with the material submission.
2. The license document shall be approved by the Engineer.
3. The license document shall adhere to the licensing requirement in the Material Specification 1620 and shall bear the OEM's seal and signature for authentication.
4. The Contractor shall work with the OEM to make changes to the licensing document as required by the Engineer.
5. The license document shall state that the OEM will adhere to the City of Chicago's Data Protection Requirements (Material Spec 1620 Exhibit 1).
6. The Contractor shall provide a separate license document from the OEM for each ITE installation.

Basis of Payment. This work will be paid for at the contract unit price per each for INTERSECTION TECHNOLOGY ENHANCEMENTS, which price will be payment in full for furnishing and installing the communications node equipment complete and fully operational for three years with all necessary cameras, cables, modems, hardware, accessories, components, coordination with and payments to cellular service provider as applicable, with all wiring and connections as specified herein.

SECTION III

APPENDICES

APPENDIX A

ILLINOIS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS

**ILLINOIS DEPARTMENT OF TRANSPORTATION
(IDOT)
INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND
RECURRING SPECIAL PROVISIONS (JANUARY 1, 2026)**

**ILLINOIS DEPARTMENT OF TRANSPORTATION
(IDOT)
BDE SPECIAL PROVISIONS
(FOR THE APRIL 24 AND JUNE 12, 2026 LETTINGS)**

**ILLINOIS DEPARTMENT OF TRANSPORTATION
(IDOT)
LOCAL ROADS SPECIAL PROVISIONS**

**ILLINOIS DEPARTMENT OF TRANSPORTATION
(IDOT)
DISTRICT 1 SPECIAL PROVISIONS
(REVISED JANUARY 20, 2026)**

APPENDIX B

CHICAGO DEPARTMENT OF WATER MANAGEMENT STANDARD SPECIFICATIONS

APPENDIX C

CHICAGO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS

APPENDIX D

CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL ENGINEERING MATERIAL SPECIFICATIONS

APPENDIX F

ADDITIONAL CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL ENGINEERING MATERIAL SPECIFICATIONS

Detailed Diverse Management Sheet

Instructions: Below, please fill out columns A-E for all Management employees included in your calculations for the Diverse Management and Workforce Bid Incentive. On this sheet, please only fill in information regarding your Management. For column C, please select your response from the drop down menu provided. For columns G-I, please note that this calculation only needs to be completed once for all management employees in cells G7, H7, and I7. Column I will automatically populate based on your responses in columns G and H. When completed, please attach to bid documents to be included as part of your "Bidder's Commitment to Encourage Diverse Management and Workforce." If this sheet is not applicable to your bid, please write "Not Applicable" below and do not fill out the rest of the sheet.

If this sheet is not applicable to your bid, please write "Not Applicable" here:

Employee Name or Unique Identifier	Race/Ethnicity (Please List)	Employment Status * Please note Independent Contractors do not qualify for the bid incentive	Title	Please provide a description of your job including all primary and management duties	Total Number of Employees Qualifying as Diverse Management	Total Number of Employees in Management	Percentage of Employees Qualifying as Diverse Management #DIV/0!

Detailed Diverse Workforce Sheet

Instructions: Below, please fill out colums A-D for all Workforce employees included in your calculations for the Diverse Management and Workforce Bid Incentive. On this sheet, please only fill in information regarding your Workforce. For column C, please select your response from the drop down menu provided. For columns F-H, please note that this calculation only needs to be completed once for all management employees in cells F7, G7, and H7. Column H will automatically populate based on your responses in colums F and G. When completed, please attach to bid documents to be included as part of your "Bidder's Commitment to Encourage Diverse Management and Workforce." If this sheet is not applicable to your bid, please write "Not Applicable" below and do not fill out the rest of the sheet. If this sheet is not applicable to your bid, please write "Not Applicable" below and do not fill out the rest of the sheet.

If this sheet is not applicable to your bid, please write "Not Applicable" here:

Employee Name or Unique Identifier	Race/Ethnicity (Please List)	Employment Status	Title	Total Number of Employees	Total Number of Employees in	Percentage of Employees
		* Please note Independent Contractors do not qualify for the bid incentive		Qualifying as Diverse Workforce	Workforce	Qualifying as Diverse Management
						#DIV/0!