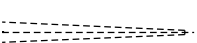
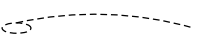
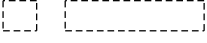
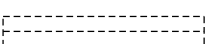
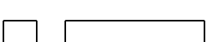


LEGEND – TRAFFIC SIGNALS

EXISTING

-  CONTROLLER CABINET
-  STRAIN POLE
-  TIMBER POLE
-  DOWN GUY
-  MAST ARM
-  STREET LIGHT
-  3 SECTION FACE
-  3 SECTION FACE W/BACKPLATE
-  4 SECTION FACE
-  4 SECTION FACE W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) FACE
-  4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
-  OVERHEAD SIGN
-  PEDESTAL POLE
-  PED SIGNAL FACE
-  CURB CUT RAMP, ALL TYPE
-  PULLBOX, (TYPE TO BE CALLED OUT)
-  DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
-  QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
-  VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
-  CONDUIT, ALL TYPE
-  RAILROAD CONTROLLER
-  SIGN POST
-  RADAR DETECTION DEVICE
-  MAGNETOMETER DETECTION DEVICE
-  VIDEO DETECTION DEVICE

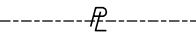
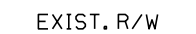
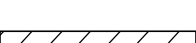
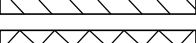
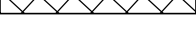
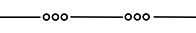
PROPOSED

-  CONTROLLER CABINET
-  STRAIN POLE
-  TIMBER POLE
-  DOWN GUY
-  MAST ARM
-  STREET LIGHT
-  3 SECTION FACE W/BACKPLATE
-  4 SECTION FACE W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
-  OVERHEAD SIGN
-  PEDESTAL POLE
-  PED SIGNAL FACE
-  CURB CUT RAMP, (TYPE TO BE CALLED OUT)
-  PULLBOX, (TYPE TO BE CALLED OUT)
-  DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
-  QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
-  VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
-  CONDUIT, (TYPE TO BE CALLED OUT)
-  CONDUIT, DIRECTIONAL BORE
-  RAILROAD CONTROLLER CABINET
-  SIGN POST
-  RADAR DETECTION DEVICE
-  MAGNETOMETER DETECTION DEVICE
-  VIDEO DETECTION DEVICE

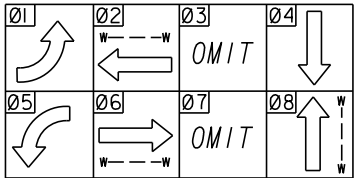
RELOCATED

-  3 SECTION FACE W/BACKPLATE
-  4 SECTION FACE W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
-  PEDESTAL POLE
-  PED SIGNAL FACE

AGENCY SPECIFIC

-  PROPERTY LINE
-  EXIST. R/W EXISTING R/W LINE
-  REQ'D R/W REQUIRED R/W LINE
-  CONSTRUCTION CUT LIMIT
-  CONSTRUCTION FILL LIMIT
-  EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
-  EASEMENT FOR CONSTR OF SLOPES
-  EASEMENT FOR CONSTR OF DRIVES
-  BLA BEGIN LIMIT OF ACCESS
-  ELA END LIMIT OF ACCESS
-  REQ'D LIMIT OF ACCESS
-  REQ'D LIMIT OF ACCESS & R/W
-  ORANGE BARRIER FENCE
-  ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PHASING DIAGRAM



- INSTALL:
 - 10' PEDESTAL POLE
 - LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, P2
 - AUDIBLE PEDESTRIAN PUSH BUTTON STATION AND SIGNS
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-2
 - DETECTABLE WARNING SURFACE

- INSTALL (BACK-TO-BACK):
 - R9-3
 - R9-3bP(R/L)

- INSTALL:
 - 2" CONDUITS, NM, TYPE 3

- INSTALL:
 - STEEL STRAIN POLE, TYPE IV, WITH 35' MAST ARM
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-3
 - POWER DISCONNECT

- INSTALL:
 - D3-1(*3)
 - INSTALL IVDS PHASE 2/5
 - D3-1(*4)

- INSTALL 6' x 40' VIDEO DETECTION ZONE(TYP)

- INSTALL:
 - 2-2" CONDUITS, NONMETAL, TYPE 3
 - DIRECTIONAL BORE, 5", 75LF

- INSTALL (BACK-TO-BACK):
 - R9-3
 - R9-3bP(R/L)

- INSTALL ADA RAMP, TYPE B
 - 4-2" CONDUITS, NM, TYPE 3

- INSTALL:
 - 10' PEDESTAL POLE
 - LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, P6
 - AUDIBLE PEDESTRIAN PUSH BUTTON STATION AND SIGNS
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-2

- INSTALL:
 - STEEL STRAIN POLE, TYPE IV, WITH 35' MAST ARM
 - PULL BOX, PB-3
 - CONDUITS, NONMETAL, TYPE 2, PER DETAIL

- INSTALL:
 - 2070LX CONTROLLER IN A 332 CABINET WITH BASE
 - BASE-MOUNTED CONDUITS, PER GDOT DETAIL
 - PULL BOX, PB-3

- INSTALL IVDS PHASE 4

ERADICATE EXISTING CROSSWALK AND INSTALL 8" SOLID WHITE CROSSWALK PER DETAIL T-11A GDOT 2025 CONSTR. STANDARD (TYP)

- INSTALL IVDS PHASE 8

- D3-1(*1)

- INSTALL:
 - STEEL STRAIN POLE, TYPE IV, WITH 35' MAST ARM
 - CONDUITS, NONMETAL, TYPE 2, PER DETAIL
 - PULL BOX, PB-3

- INSTALL:
 - 10' PEDESTAL POLE
 - LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, P2 & P8
 - AUDIBLE PEDESTRIAN PUSH BUTTON STATION AND SIGNS
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-2
 - DETECTABLE WARNING SURFACE

- INSTALL:
 - 2-2" CONDUITS, NONMETAL, TYPE 3
 - DIRECTIONAL BORE, 5", 70LF

- R10-5A

- INSTALL IVDS PHASE 1/6

- INSTALL 6' x 6' SETBACK VIDEO DETECTION ZONE 260' FROM STOP BAR (TYP)

- D3-1(*2)
- D3-1(*5)

- INSTALL ADA RAMP, TYPE B

- INSTALL:
 - STEEL STRAIN POLE, TYPE IV, WITH 45' MAST ARM
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-3

- INSTALL:
 - 10' PEDESTAL POLE
 - LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, P6 & P8
 - AUDIBLE PEDESTRIAN PUSH BUTTON STATION AND SIGNS
 - CONDUITS, NONMETAL, TYPE 2, PER GDOT DETAIL
 - PULL BOX, PB-2

- EXISTING R10-6
- ERADICATE EXISTING STOP BAR
- INSTALL:
 - 2-2" CONDUITS, NONMETAL, TYPE 3
 - DIRECTIONAL BORE, 5", 65LF

- INSTALL 24" SOLID WHITE STOP BAR

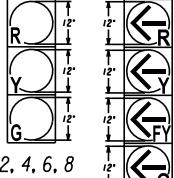
- D3-1(*1)

LED PEDESTRIAN SIGNAL HEADS



- P2, P6, P8

LED SIGNAL HEADS W/ RETROREFLECTIVE BACKPLATES



- 2, 4, 6, 8

- 1, 5

OVERHEAD STREET NAME SIGNS

Rose Ave

- D3-1(*1)

Roselake Cir

- D3-1(*2)

Fairways Dr

- D3-1(*4)

Roselake Cir

- D3-1(*3)

Fairways Dr

- D3-1(*5)

REGULATORY SIGNS



- R9-3 (18"X18")



- R9-3bP(L/R) 18"X12"

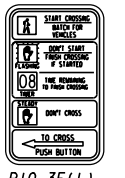


- R10-6 24" X 36"

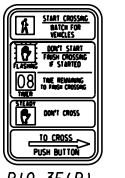


- R10-5A 30" X 36"

PEDESTRIAN SIGNS



- R10-3E(L) 9" X 15"



- R10-3E(R) 9" X 15"

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR



AECOM

SCALE IN FEET



REVISION DATES

SIGNAL PLANS

ROSE AVE @ ROSELAKE CIR/FAIRWAYS DR

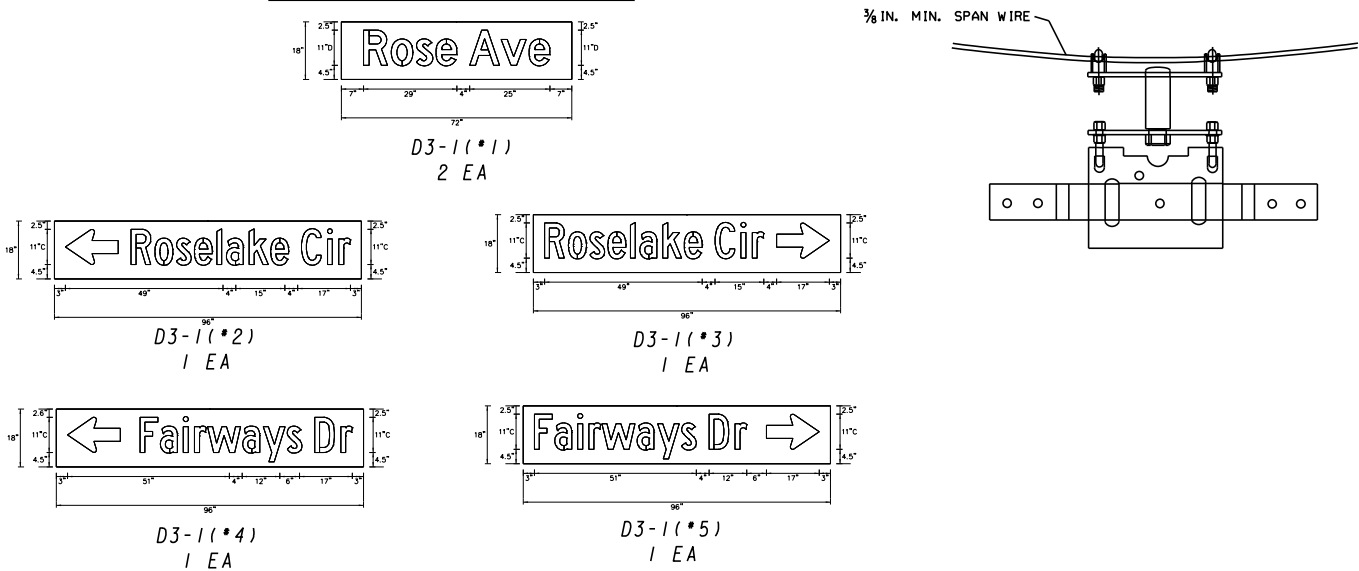
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

27-0002

332 CABINET INPUT ASSEMBLY

UPPER INPUT FILE																
UPPER INPUT FILE (I)		SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		TYPE	VID	VID				VID				TBA	TBA	DC	DC	DC
		CARD	2CH	2CH				2CH						DC ISO	DC ISO	DC ISO
	CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
		FUNCTION	V1	V2				V4						P2	P6	FLASH
		FIELD TERM	TB-2 1, 2	TB-2 5, 6	TB-2 9, 10	TB-4 1, 2	TB-4 5, 6	TB-4 9, 10	TB-6 1, 2	TB-6 5, 6	TB-6 9, 10			TB-8 4, 6	TB-8 7, 9	NC
		DET*	1	3	5	7	9	11	13	15	17					
	CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
		FUNCTION													P8	STOP TIME
		FIELD TERM	TB-2 3, 4	TB-2 7, 8	TB-2 11, 12	TB-4 3, 4	TB-4 7, 8	TB-4 11, 12	TB-6 3, 4	TB-6 7, 8	TB-6 11, 12		NC	TB-8 5, 6	TB-8 8, 9	NC
DET*		1	4	6	7	9	12	14	15	18						
LOWER INPUT FILE																
LOWER INPUT FILE (J)		SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		TYPE	VID	VID				VID								
	CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
		FUNCTION	V5	V6				V8								
		FIELD TERM	TB-3 1, 2	TB-3 5, 6	TB-3 9, 10	TB-5 1, 2	TB-5 5, 6	TB-5 9, 10	TB-7 1, 2	TB-7 5, 6	TB-7 9, 10			TB-9 4, 6	TB-9 7, 9	TB-9 10, 12
		DET*	19	21	23	25	29	31	33	35	37					
	CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
		FUNCTION														
		FIELD TERM	TB-3 3, 4	TB-3 7, 8	TB-3 11, 12	TB-5 3, 4	TB-5 7, 8	TB-5 11, 12	TB-7 3, 4	TB-7 7, 8	TB-7 11, 12			TB-9 5, 6	TB-9 8, 9	TB-9 11, 12
		DET*	19	22	24	25	29	32	34	35	38					

OVERHEAD STREET NAME SIGNS



647-1000 PAY ITEM LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
SIGNAL CONTROLLER UNITS		
A. CONTROLLER UNIT, TYPE 2070 LX	EA	1
SIGNAL CABINET ASSEMBLIES		
A. CABINET ASSEMBLY, MODEL 332L	EA	1
G. CONFLICT MONITOR UNITS		
11. MODEL 2018 KCLIP	EA	1
H. SWITCH PACK (LOAD SWITCH)	EA	11
I. DC ISOLATOR	EA	1
PREFABRICATED CABINET BASE	EA	1
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
3-SECTION, 12" SIGNAL FACE LED - ALL BLACK HOUSING & FRONT, POLYCARBONATE	EA	8
4-SECTION, 12" SIGNAL FACE LED - FYA - ALL BLACK HOUSING & FRONT, POLYCARBONATE (IN NEW SECTION 925)	EA	2
BACKPLATE FOR 3-SECTION, 12" SIGNAL FACE - ABS POLYCARBONATE, BLACK W/ RETROREFLECTIVE STRIP	EA	8
BACKPLATE FOR 4-SECTION, 12" SIGNAL FACE - ABS POLYCARBONATE, BLACK W/ RETROREFLECTIVE STRIP	EA	2
HARDWARE FOR MAST ARM MOUNTING	EA	10
1-SECTION, 18" x 18" PEDESTRIAN SIGNAL FACE HOUSING, W/ 16" LED COUNTDOWN INSERT, FULL HAND/MAN OVERLAP	EA	6
PEDESTRIAN PUSH BUTTON STATION ADAPTER, 4 IN PEDESTAL POLE, ADJUSTABLE (BLACK)	EA	2
PEDESTRIAN DUAL PUSH BUTTON STATION ADAPTER, 4 IN PEDESTAL POLE, ADJUSTABLE (BLACK)	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY, BLACK	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY, BLACK	EA	2
PEDESTAL POLE & SQUARE BASE	EA	4
PULL BOX, PB-2	EA	4
PULL BOX, PB-3	EA	5
CONDUIT, 1" TP 2	LF	60
CONDUIT, 2" TP 2	LF	120
ELECTRICAL SERVICE POINT	EA	1
POWER DISCONNECT	EA	1
R10-5A SIGN	EA	2
R9-3 SIGN	EA	4
R9-3bP SIGN	EA	4
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

937-6040 VIDEO DETECTION SYSTEM	UNIT	QUANTITY
A. CAMERA ASSEMBLY	EA	4
B. IVDS PROCESSOR UNIT	EA	1
C. CABLES	LF	645

937-4100 PEDESTRIAN DETECTION SYSTEM	UNIT	QUANTITY
DC ISOLATOR	EA	2
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	1
AUDIBLE PUSHBUTTON CONTROL UNIT (CCU)	EA	1
AUDIBLE PUSHBUTTON STATION WITH SIGN	EA	6

NOTE: QUANTITIES SHOWN ARE FOR ESTIMATION PURPOSES ONLY.
CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

REVISION DATES

SIGNAL PLANS

ROSE AVE @
ROSELAKE CIR/FAIRWAYS DR

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

ITEM #	DESCRIPTION	UNIT	QUANTITY
150-1000	TRAFFIC CONTROL	LUMP	1
441-7012	CURB CUT WHEELCHAIR RAMP, TYPE B	EA	2
656-0080	REMOVE EXIST SOLID TRAF STRIP, 8 IN, THERMOPLASTIC	LF	785
656-0240	REMOVE EXIST SOLID TRAF STRIP, 24 IN, THERMOPLASTIC	LF	12
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	66
639-3004	STRAIN POLE, TP IV- WITH 35' MAST ARM	EA	3
639-3004	STRAIN POLE, TP IV- WITH 45' MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LUMP	LUMP
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	220
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	305
682-6233	CONDUIT, NONMETAL, TYPE 3, 2 IN	LF	565
682-9950	DIRECTIONAL BORE, 5 IN	LF	210
937-6040	VIDEO DETECTION SYSTEM	LUMP	LUMP
937-4100	PEDESTRIAN DETECTION SYSTEM	LUMP	LUMP
999-5200	DETECTABLE WARNING SURFACE	SF	20
702-0470	ILEX VOMITORIA NANA	EA	9
702-0170	CLEYERA JAPONICA	EA	2
702-9025	LANDSCAPE MULCH (PINESTRAW)	SY	12
708-1000	PLANT TOPSOIL	CY	1.5
700-9300	SOD	SY	12

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