



Request for Proposal 12-X-22357

For: Micro-Surfacing Pavement System

NJDOT

Event	Date	Time
Bidder's Electronic Question Due Date (Refer to RFP Section 1.3.1 for more information.)	03/30/2012	5:00 PM
Mandatory/Optional Pre-bid Conference (Refer to RFP Section 1.3.5 for more information.)	N/A	N/A
Mandatory/Optional Site Visit (Refer to RFP Section 1.3.4 for more information.)	N/A	N/A
Bid Submission Due Date (Refer to RFP Section 1.3.2 for more information.)	04/26/2012	2:00 PM

Dates are subject to change. All changes will be reflected in Addenda to the RFP posted on the Division of Purchase and Property website.

Small Business Set-Aside	Status	Category
	☒ Not Applicable	☐ I
	☐ Entire Contract	☐ II
	☐ Partial Contract	☐ III
	☐ Subcontracting Only	

RFP Issued By

State of New Jersey
Department of the Treasury
Division of Purchase and Property
Trenton, New Jersey 08625-0230

Using Agency/Agencies

Department of Transportation & State of New Jersey
Cooperative Purchasing Members

Date: March, 2012

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1.0 INFORMATION FOR BIDDERS

1.1 PURPOSE AND INTENT

This Request for Proposal (RFP) is issued by the Purchase Bureau, Division of Purchase and Property, Department of the Treasury on behalf of New Jersey Department of Transportation.

The purpose of this RFP is to solicit proposals for Maintenance Micro-surfacing Projects. The work to be performed under this contract consists of furnishing and placement of Micro-surfacing Paving Systems, and required incidental work, on bituminous treated or concrete surfaces in various locations and properties entitled and owned by the State of New Jersey, in addition to county, municipal and other agency roads. Locations for under this contract will be specified by the using agency. All quantities will be on an as needed basis during the term of the contract.

During the course of this contract, specific locations and amounts to be treated with micro-surfacing will be determined by the State Agencies and Cooperative Purchasing Program Participants.

After award of this contract supervision and inspection of work conducted on State owned property will be assigned to the following State representative of the New Jersey Department of Transportation, Bureau of Maintenance Engineering & operations, or such an individual as may be hereafter designated:

Mr. Harish Bhanderi
New Jersey Department of Transportation
Bureau of Maintenance Engineering & Operations
CN607
Trenton, NJ 08625
Telephone: 609-530-3700

County, Municipal and other agency departments will assign their own specific representative.

The intent of this RFP is to award a contract to that responsible bidder whose proposal, conforming to this RFP is most advantageous to the State, price and other factors considered. The State will also award an alternate contract to the second lowest responsive bidder. The alternate contractor will be used only in accordance with Section 3.13. The State, however, reserves the right to separately procure individual requirements that are the subject of the contract during the contract term, when deemed by the Director to be in the State's best interest.

The State of NJ Standard Terms and Conditions will apply to all contracts or purchase agreements made with the State of New Jersey. These terms are in addition to the terms and conditions set forth in this RFP and should be read in conjunction with them unless the RFP specifically indicates otherwise.

The State intends to extend the contract awarded to the Division's Cooperative Purchasing Partners. These partners include quasi-state agencies, counties, municipalities, school districts, volunteer fire departments, and first aid squads, independent institutions of higher learning, County colleges and State colleges. In order for the State contract to be extended to cooperative purchasing partners, the bidder must agree to the extension by executing the Cooperative Purchase Form attached to this RFP. Also refer to Section 4.4.6 of this RFP. Although the State, with the assent of the vendor(s), is making the use of any contract resulting from this RFP available to non-State Agencies, the State makes no representation as to the acceptability of any State RFP terms and conditions under the Local Public Contracts Law or any other enabling statute or regulation.

1.2 BACKGROUND

This is a reprourement of the **(Micro-Surfacing Pavement System NJDOT)** term contract, presently due to expire on April 30, 2012. Bidders interested in the current contract specifications and pricing information may review the current contract T2507) at <http://www.state.nj.us/treasury/purchase/pricelists.shtml>.

1.3 KEY EVENTS

1.3.1 ELECTRONIC QUESTION AND ANSWER PERIOD

The Purchase Bureau will electronically accept questions and inquiries from all potential bidders via the web at <http://ebid.nj.gov/QA.aspx>.

Questions should be directly tied to the RFP and asked in consecutive order, from beginning to end, following the organization of the RFP. Each question should begin by referencing the RFP page number and section number to which it relates.

Bidders must not contact the Using Agency directly, in person, by telephone or by e-mail, concerning this RFP.

The cut-off date for electronic questions and inquiries relating to this RFP is indicated on the cover sheet. Addenda to this RFP, if any, will be posted on the Division's website after the cut-off date. (See RFP Section 1.4.1 for further information.)

1.3.2 SUBMISSION OF PROPOSAL

In order to be considered for award, the proposal must be received by the Purchase Bureau of the Division of Purchase and Property at the appropriate location by the required time. **ANY PROPOSAL NOT RECEIVED ON TIME AT THE LOCATION INDICATED BELOW WILL BE REJECTED. THE DATE AND TIME ARE INDICATED ON THE COVER SHEET. THE LOCATION IS AS FOLLOWS:**

PROPOSAL RECEIVING ROOM – 9TH FLOOR
PURCHASE BUREAU
DIVISION OF PURCHASE AND PROPERTY
DEPARTMENT OF THE TREASURY
33 WEST STATE STREET, P.O. BOX 230
TRENTON, NJ 08625-0230

Directions to the Division are available on the web at <http://www.state.nj.us/treasury/purchase/directions.shtml>.

Note: Bidders using U.S. Postal Service regular or express mail services should allow additional time since the U.S. Postal Service does not deliver directly to the Purchase Bureau.

Procedural inquiries concerning this RFP may be directed to RFP.procedures@treas.state.nj.us. This e-mail address also may be used to submit requests to review proposal documents. The State will not respond to substantive questions related to the RFP or any other contract via this e-mail address.

To submit an RFP or contract related question, go to the Current Bidding Opportunities webpage or to <http://eBid.nj.gov/QA.aspx>.

1.3.3 ELECTRONIC BIDDING (EBID)

The Division is pleased to announce its electronic procurement modernization process. This RFP provides to the bidder the opportunity to electronically submit its proposal. A new electronic bidding – “eBid” – application is being made available to vendors to promote an easier, more efficient method to submit proposals.

On-line Electronic Bid Training Sessions:

Online electronic bid training for the eBid process is available on the web at <https://wwwnet1.state.nj.us/treasury/dpp/ebid/>. The bidder is strongly encouraged to utilize the on-line training session before attempting to submit an eBid. It will be the bidder’s responsibility to ensure that the eBid has been properly submitted.

1.4 ADDITIONAL INFORMATION

1.4.1 ADDENDA: REVISIONS TO THIS RFP

In the event that it becomes necessary to clarify or revise this RFP, such clarification or revision will be by addendum. Any addendum to this RFP will become part of this RFP and part of any contract awarded as a result of this RFP.

ALL RFP ADDENDA WILL BE ISSUED ON THE DIVISION OF PURCHASE AND PROPERTY WEB SITE. TO ACCESS ADDENDA, THE BIDDER MUST SELECT THE PROPOSAL NUMBER ON THE WEB PAGE AT <http://www.state.nj.us/treasury/purchase/bid/summary/bid.shtml>.

There are no designated dates for release of addenda. Therefore interested bidders should check the Division’s “Bidding Opportunities” website on a daily basis from time of RFP issuance through proposal opening.

It is the sole responsibility of the bidder to be knowledgeable of all addenda related to this procurement.

1.4.2 BIDDER RESPONSIBILITY

The bidder assumes sole responsibility for the complete effort required in submitting a proposal in response to this RFP. No special consideration will be given after proposals are opened because of a bidder’s failure to be knowledgeable as to all of the requirements of this RFP.

1.4.3 COST LIABILITY

The State assumes no responsibility and bears no liability for costs incurred by a bidder in the preparation and submittal of a proposal in response to this RFP.

1.4.4 CONTENTS OF PROPOSAL

Your proposal can be released to the public during the protest period established pursuant to N.J.A.C. 17:12-3.3, or under the New Jersey Open Public Records Act, N.J.S.A. 47:1A-1 et seq., (OPRA) or the common law right to know. As provided in N.J.A.C. 17:12-1.2(b):

Subsequent to bid opening, all information submitted by bidders in response to a bid solicitation is considered public information, notwithstanding any disclaimers to the contrary submitted by a bidder, except as may be exempted from public disclosure by OPRA and the common law.

Any proprietary and/or confidential information in your proposal will be redacted by the State. A bidder may designate specific information as not subject to disclosure pursuant to the exceptions to OPRA found at N.J.S.A. 47:1A-1.1, when the bidder has a good faith legal and or factual basis for such assertion. The State reserves the right to make the determination as to what is proprietary or confidential, and will advise the bidder accordingly. The location in the proposal of any such designation should be clearly stated in a cover letter. **The State will not honor any attempt by a bidder to designate its entire proposal as proprietary, confidential and/or to claim copyright protection for its entire proposal.** In the event of any challenge to the bidder's assertion of confidentiality with which the State does not concur, the bidder shall be solely responsible for defending its designation.

By signing the cover sheet of this RFP, the bidder waives any claims of copyright protection set forth within the manufacturer's price list and/or catalogs. The price lists and/or catalogs must be accessible to State using agencies and cooperative purchasing partners and thus have to be made public to allow all eligible purchasing entities access to the pricing information.

1.4.5 PROPOSAL OPENING

On the date and time proposals are due under the RFP, all information concerning the proposals submitted may be publicly announced and those proposals, except for information appropriately designated as proprietary and/or confidential, shall be available for inspection and copying. In those cases where negotiation is contemplated, only the names and addresses of the bidders submitting proposals will be announced and the contents of the proposals shall remain proprietary and/or confidential until the Notice of Intent to Award is issued by the Director.

1.4.6 PRICE ALTERATION IN HARD COPY PROPOSALS

Proposal prices must be typed or written in ink. Any price change (including "white-outs") must be initialed. Failure to initial price changes shall preclude a contract award from being made to the bidder.

1.4.7 BID/PROPOSAL ERRORS

In accordance with N.J.A.C. 17:12-2.11, "Bid Errors," a bidder may withdraw its proposal as described below.

A bidder may request that its proposal be withdrawn prior to proposal opening. Such request must be made, in writing, to the Supervisor of the Bid Review Unit. If the request is granted, the bidder may submit a revised proposal as long as the proposal is received prior to the announced date and time for proposal opening and at the place specified.

If, after proposal opening but before contract award, a bidder discovers an error in its proposal, the bidder may make a written request to the Supervisor of the Bid Review Unit for authorization to withdraw its proposal from consideration for award. Evidence of the bidder's good faith in making this request shall be used in making the determination. The factors that will be considered are that the mistake is so significant that to enforce the contract resulting from the proposal would be unconscionable; that the mistake relates to a material feature of the contract; that the mistake occurred notwithstanding the bidder's exercise of reasonable care; and that the State will not be significantly prejudiced by granting the withdrawal of the proposal. After bid opening, while pursuant to the provisions of this section, you may request to withdraw your proposal and the Director may, in her discretion allow you to withdraw it, the Division also may take notice of repeated or unusual requests to withdraw by a bidder and take those prior requests to withdraw into consideration when evaluating the bidder's future bids or proposals.

All proposal withdrawal requests must include the proposal identification number and the final proposal opening date and be sent to the following address:

Department of the Treasury
Purchase Bureau
PO Box 230
33 West State Street – 9th Floor
Trenton, New Jersey 08625-0230
Attention: Supervisor, Bid Review Unit

If during a proposal evaluation process, an obvious pricing error made by a potential contract awardees is found, the Director shall issue written notice to the bidder. The bidder will have five (5) days after receipt of the notice to confirm its pricing. If the vendor fails to respond, its proposal shall be considered withdrawn, and no further consideration shall be given it.

If it is discovered that there is an arithmetic disparity between the unit price and the total extended price, the unit price shall prevail. If there is any other ambiguity in the pricing other than a disparity between the unit price and extended price and the bidder's intention is not readily discernible from other parts of the proposal, the Director may seek clarification from the bidder to ascertain the true intent of the proposal.

1.4.8 JOINT VENTURE

If a joint venture is submitting a proposal, the agreement between the parties relating to such joint venture should be submitted with the joint venture's proposal. Authorized signatories from each party comprising the joint venture must sign the proposal. A separate Ownership Disclosure Form, Disclosure of Investigations and Actions Involving Bidder form, and Affirmative Action Employee Information Report must be supplied for each party to a joint venture. NOTE: Each party comprising the joint venture must also possess a valid Business Registration Certificate ("BRC") issued by the Department of Treasury, Division of Revenue prior to the award of a contract. Refer to Section 4.4.2.1 of this RFP.

1.4.9 RECIPROCITY FOR JURISDICTIONAL BIDDER PREFERENCE

In accordance with N.J.S.A. 52:32-1.4 and N.J.A.C. 17:12-2.13, the State of New Jersey will invoke reciprocal action against an out-of-State bidder whose state or locality maintains a preference practice for its bidders. For states having preference laws, regulations, or practices, New Jersey will use the annual surveys compiled by the Council of State Governments, National Association of State Purchasing Officials, or the National Institute of Governmental Purchasing to invoke reciprocal actions. The State may obtain additional information as it deems appropriate to supplement the stated survey information.

The bidder may submit information related to preference practices enacted for a local entity outside the State of New Jersey. This information may be submitted in writing as part of the proposal response, including name of the locality having the preference practice, as well as identification of the county and state, and should include a copy of the appropriate documentation, i.e., resolution, regulation, law, notice to bidder, etc. It is the responsibility of the bidder to provide documentation with the proposal or submit it to the Director, Division of Purchase and Property within five (5) working days of the public proposal opening. Written evidence for a specific procurement that is not provided to the Director within five (5) working days of the public proposal opening will not be considered in the evaluation of that procurement, but will be retained and considered in the evaluation of subsequent procurements.

1.4.10 PROPOSAL ACCEPTANCES AND REJECTIONS

The Director's right to waive minor elements of non-compliance with bid specifications and N.J.A.C. 17:12-2.2 which defines causes for automatic bid rejection, apply to all proposals. In

addition, pursuant to N.J.S.A. 52:34-12(a) and N.J.S.A. 52:18A-19 the Director retains the right to reject all bids if it is in the public interest.

2.0 DEFINITIONS

2.1 GENERAL DEFINITIONS

The following definitions will be part of any contract awarded or order placed as result of this RFP.

Addendum – Written clarification or revision to this RFP issued by the Division of Purchase and Property.

Amendment – A change in the scope of work to be performed by the contractor. An amendment is not effective until it is signed by the Director, Division of Purchase and Property.

Bidder – An individual or business entity submitting a proposal in response to this RFP.

Contract – This RFP, any addendum to this RFP, and the bidder's proposal submitted in response to this RFP, as accepted by the State.

Contractor – The bidder awarded a contract resulting from this RFP.

Director – Director, Division of Purchase and Property, Department of the Treasury. By statutory authority, the Director is the chief contracting officer for the State of New Jersey.

Division – The Division of Purchase and Property

Evaluation Committee – A committee established by the Director to review and evaluate proposals submitted in response to this RFP and to recommend a contract award to the Director.

Joint Venture – A business undertaking by two or more entities to share risk and responsibility for a specific project.

May – Denotes that which is permissible, not mandatory.

Project – The undertaking or services that are the subject of this RFP.

Request for Proposal (RFP) – This document which establishes the bidding and contract requirements and solicits proposals to meet the purchase needs of the using Agencies as identified herein.

Shall or Must – Denotes that which is a mandatory requirement. Failure to meet a mandatory requirement will result in the rejection of a proposal as materially non-responsive.

Should – Denotes that which is recommended, not mandatory.

Small business – Pursuant to N.J.A.C. 17:13-1.2, "small business" means a business that meets the requirements and definitions of "small business" and has applied for and been approved by the New Jersey Division of Revenue, Small Business Enterprise Unit as (i) independently owned and operated, (ii) incorporated or registered in and has its principal place of business in the State of New Jersey; (iii) has 100 or fewer full-time employees; and has gross revenues falling in one of the three following categories: (A) 0 to \$500,000 (Category I); (B) \$500,001 to \$5,000,000 (Category II); and (C) \$5,000,001 to \$12,000,000, or the applicable federal revenue standards established at 13 CFR 121.201, whichever is higher (Category III).

State – State of New Jersey.

State Contract Manager – The individual responsible for the approval of all deliverables, i.e., tasks, sub-tasks or other work elements in the Scope of Work, as set forth in Sections 8.1, 8.1.1 and 8.1.2.

Subcontractor – An entity having an arrangement with a State contractor, where by the State contractor uses the products and/or services of that entity to fulfill some of its obligations under its State contract, while retaining full responsibility for the performance of all of its [the contractor's] obligations under the contract, including payment to the subcontractor. The subcontractor has no legal relationship with the State, only with the contractor.

Using Agency [ies] – The entity [ies] for which the Division has issued this RFP and will enter into a contract.

2.2 CONTRACT SPECIFIC DEFINITIONS

AASHTO - American Association of State Highway and Transportation Officials.

ANSI - American National Standards Institute

ASTM - American Society for Testing and Materials

CAIT - Centre for advanced Infrastructure & Transportation (US; ODT. Rutgers University, NJ)

FHWA - Federal Highway Administration

FSS - Federal Specifications and Standards, General Services Administration.

HMA - Hot Mix Asphalt

ISSA - International Slurry Surfacing Association.

ME - Maintenance Engineer

MUTCD - Manual on Uniform Traffic Control Devices

NEC - National Electric Code

NEMA - National Electrical Manufacturers Association.

NJAC - New Jersey Administrative Code

NJDOT - New Jersey Department of Transportation

NJSA - New Jersey Statutes Annotated

OSHA - Occupational Safety and Health Administration

PVMS - Portable Variable Message System

RE - Resident Engineer

- RPM** - Raised Pavement Marker
- TCC** - Traffic Control Coordinator
- TCP** - Transmission Control Protocol
- UL** - Underwriters Laboratories

3.0 COMMODITY DESCRIPTION/SCOPE OF WORK

3.1 INTENT OF THIS SPECIFICATION:

The specifications to be used are those consisting of this section and references to the New Jersey Standard Specification for Road and Bridge Construction, AASHTO, ASTM and the ISSA. They shall govern the procedures and work necessary to satisfactorily carry out the intent of the contract.

3.2 TRAFFIC CONTROL

Implementation of Traffic Control requirements shall be the responsibility of the contractor.. Traffic control includes providing, installing, placing, relocating, maintaining, and removing traffic control devices. The Contractor shall provide Traffic Control on a per day basis. For NJDOT Projects, Traffic Control shall adhere to the 2007 Standard Specifications for Road and Bridge Construction and the 2007 Traffic Control Details. For County and Municipal Projects, Traffic Control shall adhere to the standard specifications, details and Manual on Uniform Traffic Control Devices (MUTCD) that apply to Traffic Control for County and Municipal Roads. Lane closure times will be directed by the RE. Work which will interfere with traffic or restrict the width of traveled way available for traffic shall not be performed on Saturdays, Sundays, or legal holidays unless approved by the RE. Traffic Control shall be used on roadways only, unless otherwise directed by the RE.

3. 3 MATERIALS

All Materials and Equipment shall be provided by the contractor. The material/s shall meet the New Jersey Standard Specifications for Road and Bridge Construction.

1. Tack Coat PG 64-22 as specified in 902.01.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
2. Tack Coat:
Cut-Back Asphalt, Grade RC-70 as specified in 902.01.02 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
3. Emulsified Asphalt, Grade RS-1, SS-1, SS-1h, Grade CSS-1 or CSS-1h as specified in 902.01.03 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
4. HMA (12.5M64) as specified in 902.02 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
5. Signs as specified in 911.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
6. Sign Posts as specified in 911.02.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
7. Latex Paint as specified in 912.04.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

8. Polymerized Joint Adhesive as specified in 914.03 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.4 EQUIPMENT

1. Flashing Arrow Board as specified in 1001.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
2. Portable Variable Message Sign as specified in 1001.02 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
3. Traffic Control Truck with Mounted Impact Attenuators as specified in 1001.03 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
4. Vibratory Drum Compactor as specified in 1003.06 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
5. Bituminous Material Distributor as specified in 1003.07 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
6. HMA Plant as specified in 1009.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
7. HMA Trucks as specified in 1009.02 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.5 PROCEDURE

3.5.1 TRAFFIC CONTROL COORDINATOR (TCC)

Prior to all work the contractor shall submit to the RE the name, training, work experience, and contact information of an employee assigned as the on-site Traffic Control Coordinator (TCC). The TCC must be certified as having successfully completed the Rutgers CAIT Traffic Control Coordinator Program, or an equivalent course as approved by the NJDOT Office of Capital Project Safety. The TCC must also successfully complete an approved Traffic Coordinator refresher course every 2 years. The TCC is a full-time position and the employee designated as TCC must be available on a 24-hour a day, 7-days a week basis. The TCC shall have the responsibility for and authority to implement and maintain all traffic operations for the Project on behalf of the Contractor. The TCC's responsibilities and duties shall include the following:

1. Overseeing traffic control operations, including those performed by subcontractors.
2. Coordinating traffic control with subcontractors, other contractors, and Utilities.
3. Ensuring that set-up and removal is performed according to the Contract.
4. Performing daily traffic control inspections and providing written reports documenting the inspections, including detailed findings and corrections made.
5. Performing inspections at night and on weekends to ensure compliance with the TCP.
6. Ensuring that traffic control devices are correctly positioned and spaced.

7. Ensuring that signs are properly covered or uncovered.
8. Maintaining or replacing traffic control devices to ensure traffic control devices are in an acceptable condition and good working order. Maintenance also includes replacing lights bulbs and electrical components and refueling, recharging, or replacing batteries.
9. Ensuring that excavations and lateral drop-offs greater than 2 inches in depth are eliminated or protected by barrier or emergency escape ramps during non-working periods.
10. Ensuring that routine road maintenance is performed, including debris removal and road cleaning.
11. Ensuring that construction operations do not create flooding or icing conditions for lanes open to traffic.
12. Identify and correcting traffic control deficiencies immediately. Correct traffic control deficiencies directed by the RE within 2 hours of notification.
13. Ensuring that vehicles, equipment, and material stored adjacent to the road are behind barriers or stored at least 30 feet from the traveled way.
14. Ensuring that Contractor vehicles for material delivery enter or exit the traveled way in a safe manner.

Provide additional employees to assist the TCC as approved by the RE. The RE may request the TCC or additional employees to demonstrate their competency at any time. Notify the RE before performing daily inspections to provide the RE with the opportunity to observe the inspections.

3.5.2 TRAFFIC CONTROL DEVICES

The contractor shall ensure that FHWA category 1, 2, 3, and 4 traffic control devices conform to the requirements of NCHRP 350. Ensure that traffic control devices meet or exceed an acceptable condition as described in the ATSSA guide Quality Standards for Work Zone Traffic Control Devices. Traffic control devices need not be new but must be in good condition. Provide traffic control devices according to MUTCD.

The contractor shall erect traffic control devices before beginning construction operations. Trim vegetation that obscures the sight distance of traffic control devices. Keep the traffic control devices clean, and maintain in acceptable condition until no longer required. Relocate traffic devices as directed by the RE. Place traffic control devices as directed to provide traffic control for Department personnel doing inspections, sampling, testing, and taking measurements required for the Project.

- 1. Construction Signs.** Install anchor posts with soil anchor plates, except when installing in rock or in concrete.

If construction signs are required for less than 3 days, the Contractor may place construction signs on portable sign stands instead of sign posts with the approval of the RE.

When construction signs or existing signs do not reflect work zone traffic conditions, cover the signs with black polyethylene sheeting. Ensure that the cover is opaque under all lighting conditions and completely conceals the entire front of the sign panel. Securely attach the cover to the back side of the sign without damaging the reflective sheeting. Do not tape the cover to the face of the sign. Ensure that the cover remains secure in all weather conditions. Overhead signs and large guide signs with areas greater than 200 square feet do not need a cover over the entire sign, but require a cover over the conflicting information. Do not alter the face of a sign with revised messages. Remove construction signs when no longer required, and restore the post hole to match the surrounding conditions.

- 2. Flashing Arrow Board.** Provide a flashing arrow board as specified in 1001.01.

3. **Portable Variable Message Sign (PVMS).** Place the PVMS at the locations directed by the RE. Ensure that a designated representative familiar with the operation and programming of the unit is available on the Project. Only display messages authorized by the Department for the Project. Repair or replace malfunctioning PVMS within 12 hours of notification by the RE.
4. **Temporary Crash Cushion.** Install inertial barrier systems as specified in 611.03.01. Install crash cushions as specified in 611.03.02. Immediately repair or replace crash cushions that become damaged or become inoperable. Maintain an adequate number of replacement parts to repair damaged units at all times. Keep the areas in front, atop, and around the crash cushions clear of snow accumulation of more than 4 inches in depth.
5. **Traffic Control Truck with Mounted Crash Cushions.** Provide the RE with a copy of the crash cushion manufacturer's recommendations. Position the traffic control truck to ensure that there is adequate stopping distance after impact and to prevent errant vehicles from traveling around the truck and endangering workers. When used in a fixed position, place manual transmission vehicles in second gear and place automatic transmission vehicles in park. Ensure that the parking brake is set, and the wheels are turned to avoid rolling into active traffic lanes. Do not use traffic control trucks in place of other temporary impact attenuators for more than 24 hours. Relocate the traffic control truck as specified by the TCP, or as directed by the RE. Do not use the truck to carry additional equipment, materials, or debris. When using ballast, ensure that it is secured to the truck. Submit drawings to the RE detailing the manner of securing the ballast, signed and sealed by a Professional Engineer, certifying that it is capable of withstanding the impact forces for which the impact attenuator is rated.

3.5.3 TEMPORARY TRAFFIC STRIPES AND TEMPORARY TRAFFIC MARKINGS

The contractor shall install temporary traffic stripes and markings when required for 14 days or less. Apply temporary traffic stripes and markings when the ambient and surface temperatures are at least 45 °F and rising and the surface temperature is no more than 140 °F. Apply the traffic paint in a wet film thickness of 6 ± 1 mil. Apply glass beads of the correct gradation to the wet paint in a uniform pattern and at the rate of 12 pounds per gallon of paint.

3.5.4 HMA PATCH

The RE may direct the Contractor to saw cut existing HMA pavement to the depth of the area to be repaired. Saw cut lines parallel and perpendicular to the roadway baseline and 3 inches away, at the closest point, from the damaged area to be repaired. Remove loose material within the boundary of the repair, and clean the area. Reuse removed material as specified in 202.03.07.A of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. Ensure that the remaining pavement is not damaged.

Apply polymerized joint adhesive or tack coat to the vertical surfaces of the openings. Ensure that the temperature of the HMA when placed is at least 250 °F. Place HMA in 4-inch maximum lifts, and compact with a vibratory drum. For small areas, the RE may approve hand compacting methods. Compact until the top of the patch is flush with the adjacent pavement surface.

3.6 NIGHT OPERATIONS

Night operations comprise work performed from 30 minutes before sunset to 30 minutes after sunrise. Before beginning night operations, demonstrate to the RE the method of meeting the specified illuminance levels and visibility requirements for workers and equipment for each planned operation. The Department will determine luminance levels by taking light meter readings

horizontally to the road surface facing the light source. Do not begin night operations until the RE approves the method of meeting the specified illuminance levels and visibility requirements.

- 1. Lighting Requirements and illuminance Levels.** Maintain the minimum illuminance level throughout the required lighting area as specified in Table 108.06-1. Provide lighting for all areas of the Work.

Table 108.06-1 Minimum illuminance Levels for Night Operations		
Work Description	Minimum Level (Foot Candles)	Minimum Lighting Area
Embankment Excavation Landscaping (seeding and sodding) Mechanical sweeping and cleaning Sub grade	5	General lighting throughout area of operation
Traffic Control setup and removal (excluding barrier curb)	5	Lighting on task
Traffic Director	5	Lighting on task plus minimum of 50 feet ahead and 50 feet behind employee
Milling ¹ HMA paving operation ¹ HMA roller operation ¹	10	Lighting on task and around equipment plus minimum of 25 feet ahead and 25 feet behind equipment plus 10 feet to each side of equipment
Crack Sealing Saw cutting and Sealing Joints Electrical work Intelligent Transportation System work	20	Lighting on task
All work not listed in this table ¹	10	Lighting on task

¹ Provide 5 foot-candles for the indicated lighting area outside the limits for 10 foot-candles to a minimum of 100 feet ahead and 100 feet behind equipment

Ensure that lighting equipment is in good operating condition, and in compliance with applicable NEC and NEMA codes. Use freestanding portable or trailer-mounted towers capable of being moved as needed to keep pace with construction operations.

For moving operations, ensure that lighting and illuminance requirements are maintained where the work is in progress and that lighting keeps pace with the operation. Provide sufficient fuel, spare lamps, generators, and qualified personnel to ensure that required illuminance levels are maintained continuously during night operations. If at any time minimum illuminance levels are not met, cease night operations until the required illuminance levels are attained.

- 2. Visibility Requirements for Workers and Equipment.** Ensure that workers wear a 360° high-visibility retro reflective safety garment meeting ANSI/ISEA Class 3, Level 2 standards.

Uniformly light the hopper, auger, and screed areas of pavers as well as the operator's controls on all machines.

Conventional vehicle headlights do not meet illuminance requirements. Ensure that

moving lighting equipment used for night operations has lights directed ahead and behind the equipment.

Equip moving equipment with 2-inch wide, alternating red and white, conspicuity tape meeting the National Highway Transportation Safety Administration standards. Equip off-road equipment with conspicuity tape along the full length of all 4 sides. Equip on-road vehicles, including trailers and trailer-mounted devices, with conspicuity tape along the full length of both sides, excluding the cab, and across the rear of the vehicle.

Prevent or minimize glare that may interfere with traffic or disturb local residents. Perform glare control to the RE's satisfaction. Glare control may require relocating, aiming, or adjusting lights or providing screens, shields, visors or louvers on lights.

3.7 TRAFFIC DIRECTION

- A. Flagger.** The contractor shall provide a flagger that has received formal training in flagging operations and the proper use of the STOP/SLOW paddle. The flagger must meet MUTCD qualifications and, when requested, demonstrate competency to the RE. Immediately replace flaggers who fail to demonstrate competency with a competent flagger. Ensure that flaggers wear a 360° high-visibility retro reflective orange safety garment meeting ANSI/ISEA Class 3, Level 2 standards. Ensure that the flagger is equipped with a STOP/SLOW paddle and follows MUTCD flagging procedures.
- B. Police.** Unless designated as local police at the preconstruction conference, police will be on-duty New Jersey State Police (NJSP). The NJSP are for limited use with specific hours of operation. The RE will determine NJSP use and hours. Police are either provided by the RE as employees of the State, or by the local government as a vendor to the State. The use of police services by the RE does not relinquish or diminish the Contractor's responsibilities for work zone safety.

Submit a request for police services to the RE 72 hours before beginning construction operations that require police services. Activities requiring police services include:

1. Traffic direction through signalized intersections, where the integrity of the existing traffic signal system is impacted or where an override of the signal is required.
2. Rolling slow-down or temporary closure of all lanes on state highways and interstates.

Emergency situations may prevent police from arriving at the schedule date or time. The RE will not permit construction operations that, by law, require police services if police are unavailable. The Department will not accept claims for interruptions or delays resulting from any failure of police to arrive as requested.

The Contractor may request police services to enhance the TCP. Submit a request for police services to the RE 72 hours before beginning construction operations that require police services. The RE will determine the need for, and direct the use of, police for the following activities.

1. Night operations;
2. TCP setup or removal on high speed and high volume roads; and
3. Major traffic pattern changes.

The RE must notify State and local police of cancellations 24 hours in advance. At least 24 hours before the scheduled start of work, notify the RE of any work cancellation for which police services were requested.

3.8 MEASUREMENT AND PAYMENT:

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
TRAFFIC CONTROL, STATE – DAY	DAY
TRAFFIC CONTROL, STATE – NIGHT	DAY
TRAFFIC CONTROL, COUNTY MUNICIPALITY – DAY	DAY
TRAFFIC CONTROL, COUNTY MUNICIPALITY – NIGHT	DAY
TEMPORARY TRAFFIC STRIPES, 4"	LINEAR FOOT
HMA PATCH	TON

Except for unforeseen weather conditions, if the Contractor cancels work without providing at least 24-hour notice, the Department will deduct the cost of police services (4 hours for each police officer scheduled) from the Contract.

3.9 ADMINISTRATION AND PROGRESS:

3.9.1 SUBCONTRACTING:

1. No subcontracting of this contract permitted unless approved by the User's engineer
2. Subsequent to award, the county, municipal and other agencies will assign their own specific representative
3. The representative will then notify the contractor by telephone informing him regarding the project location, required response time, materials required and estimated materials required.

3.9.2 SUBSEQUENT TO AWARD OF THE CONTRACT, THE CONTRACTOR SHALL:

1. Furnish all other work required for the layout and construction of the work.
2. Begin the construction of the work within ten (10) working days after he receives verbal notification from the State, County, Municipal or other agency representative.
3. Advise the State, County, Municipal or other agency representative at least forty eight (48) hours prior to commencement of work.
4. The contractor shall not begin work at any location until the location and extent of the work has been verified and approved by the State, County, Municipal or other agency representative.
5. Advise potentially affected utility owners, other than State, County, Municipal or other agency representative for approval.
6. Submit a copy of the material mix design formula to the State, County, municipal or other agency representative for approval. The mix design formula shall be obtained from a ASSHTO accredited laboratory. No change in the type or source of any ingredients shall be permitted without the submission and approval of a new mix design.
7. Provide a traffic control scheme.

3.10 HOURS OF CONSTRUCTION:

The normal hours of construction operations will be from 9.00 a.m. to 3.30 p.m. The New Jersey Department of Transportation, Bureau of Maintenance Engineering, County, Municipality or other agency reserves the right to adjust these hours due to varying conditions or scheduled events.

3.11 CLEANING SWEEPING & CLEARING:

The contractor shall be responsible for cleaning, sweeping or clearing all rubble and other foreign or loose matter or material immediately prior to the application of the micro-surfacing. This debris or matter shall be disposed of at sites outside of the work area. Written permission shall be obtained from the property owner on whose property the material or debris is to be placed. Copies of the agreement are to be furnished to the State, County, Municipal or other agency representative. The contractor shall also be responsible for maintaining areas occupied by his equipment.

3.12 WORK SCHEDULE

The Contractor and the State, County, Municipality or other agency recognize that delay in completion of the work at each site or location will result in damage to the State of New Jersey in terms of the effect of the delay to provide use and safety to the public and will also result in additional cost to the State for inspection, coordination and administration of the contract. Because some of this damage is difficult or impossible to estimate, the parties agree that if the contractor fails to respond to a call within the time specified in section 3.9.2, the contractor shall pay liquidated damages of \$500.00 per calendar day in lieu of the above stated damages. Such liquidated damages shall be paid for each and every day, as hereinafter defined, that he is in default of responding to a call from the department.

3.13 START DATE

In the event commencement of the work covered by this contract is requested by the New Jersey Department of Transportation, Bureau of Maintenance Engineering, the county, municipality or other agency and the contractor is unable to start performance of the work within twenty (20) working days after notification, the State will engage the alternate contractor.

3.14 STATE RESPONSIBILITIES

The State, County, Municipality or other agency reserves the right to postpone a project in its entirety or halt operations already in progress, due to hazardous conditions or public inconvenience. Work will not be permitted to continue until such time as conditions are deemed acceptable by the State, County, Municipality or other agency representatives.

3.15 CONTRACT TERM AND EXTENSION OPTION

The term of the contract shall be for a period of two (2) years. The anticipated "contract effective date is provided on the signatory page of this RFP.

<http://www.state.nj.us/treasury/purchase/bid/summary/12x22357>.

If delays in the procurement process result in a change to the anticipated contract effective date, the bidder agrees to accept a contract for the full term of the contract. The contract may be extended for all or part of two one year periods, by the mutual written consent of the contractor and the Director.

3.16 PUBLIC CONVENIENCE AND SAFETY

3.16.1 The contractor shall at all times, so conduct his work as to assure the least possible obstruction to vehicular traffic and pedestrian traffic.

3.16.2 Precautions shall be exercised at all times, for the protection of persons and property. The safety provisions of applicable laws, OSHA regulation, building and construction codes and the rules and regulation of the New Jersey Department of Labor and Industry shall be observed.

3.16.3 Except as necessary during actual working hours, and then only with specific approval of the State, County, Municipal or other agency representative, the contractor shall not occupy with

his equipment, materials or personnel, any roadway, sidewalk or parking area within or adjacent to the project that is to be open to vehicular or pedestrian traffic.

3.16.4 If approved by the State, County, Municipal or other agency representative, the contractor may use their property adjacent to roadway or parking areas for storage of equipment and materials, provided the equipment and materials are placed behind barriers or fences or equipment and materials are stored at a distance away from active traffic, which is acceptable to the appropriate representative.

3.17 CHARACTER OF WORKMEN, METHODS AND EQUIPMENT

3.17.1 The contractor shall, provide labor and equipment for prosecuting the classes of work to full completion in the manner and time required by the contract documents.

3.17.2 All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

3.17.3 Any person employed by the contractor working under this contract who, in the opinion of the State, County, Municipal or other representative, does not perform his/her work in a proper and skillful manner or is intemperate or disorderly shall, at written request of the appropriate representative be removed forthwith by the contractor employing such a person, and shall not be employed again in any portion of the work in without approval of the State, County , Municipal or other agency representative.

3.17.4 Should the contractor fail to remove such person or persons as required above, or fail to furnish suitable and sufficient personnel for the proper prosecution of work, the State, County, Municipal or other agency representative may suspend the work by written notice until compliance with such orders.

3.17.5 All equipment which is proposed to be used on the work shall be sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the project shall be such that no injury to adjacent property, passing vehicles or persons results from its use.

3.18 MICRO-SURFACING

3.18.1 DESCRIPTION

This section describes the requirements for furnishing and placing a polymer modified asphalt emulsion micro-surfacing in accordance with the New Jersey Department of Transportation 2007 Standard Specification for Road and Bridge Construction.

3.18.2 MICRO-SURFACING MATERIALS

Tack Coat:

Emulsified Asphalt, Grade SS-1, SS-1h, Grade CSS-1, and CSS-1 h as specified in 902.01.03 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Micro-Surfacing Emulsion as specified in 902.21 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Micro-Surfacing as specified in 902.21 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.18.3 EQUIPMENT

Bituminous Material Distributor as specified in 1003.07 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Pneumatic-Tired Compactor as specified in 1002.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Provide equipment for mixing and spreading micro-surfacing that complies with ASTM D-6372.

Perform calibration in the presence of the ME. Ensure that the documentation includes an individual calibration of each material at various settings that can be related to the machine metering devices. Any component replacement affecting material proportioning requires that the machine be recalibrated by the ME

. Do not use a machine on the project until the calibration has been completed and accepted. Provide micro-surfacing equipment as follows:

A. Mixing Equipment. Ensure that the machine is specifically designed and manufactured to mix micro-surfacing materials. Mix the material in an automatic-sequenced, self-propelled, micro-surfacing mixing machine. Ensure that it is a continuous-flow mixing unit that accurately delivers and proportions the mix components through a revolving multi-blade, double-shafted mixer. Sufficient storage capacity for all mix components is required to maintain an adequate supply to the proportioning controls.

Ensure that the machine is capable of loading materials while continuing to apply micro-surfacing.

Ensure that the continuous-run machine is equipped to provide the operator with full control of the forward and reverse speeds during application and is equipped with opposite-side driver stations to assist in alignment. Ensure that the self-loading device, opposite-side driver stations, and forward and reverse speed controls are of original-equipment-manufacturer design.

Provide material control devices, readily accessible and so placed that the inspector may determine the amount of each material used at any time.

Provide machine with a water pressure system and nozzle type spray bar to provide a water spray ahead of and outside the spreader box.

Locate mineral filler feed so the proper amount of mineral filler is dropped on the aggregate before discharge into mixer.

B. Spreading Equipment. Provide spreading equipment that agitates and spreads the mixture uniformly in the surfacing box by means of twin shafted paddles or spiral augers fixed in the spreader box. Ensure that a front seal is provided such that there is no loss of the mixture at the road contact point. Ensure that there is an adjustable rear seal which will act as a final strike-off. Ensure that the spreader box and rear strike-off is designed and operated so that a uniform consistency is achieved and a free flow of material is provided to the rear strike-off. Ensure that the spreader box has suitable means provided to side shift the box to compensate for variations in the pavement geometry.

Ensure that a secondary strike-off is provided to improve surface texture. Ensure that the secondary strike-off is adjustable to match the width of the spreader box and allows for varying pressures to control the surface texture.

C. Rut Filling Equipment. Provide rut filling equipment with a steel V-configuration screed rut box commercially designed and manufactured to fill ruts as required. Ensure that the rut box will achieve a mixture spread width of between 5 and 6 feet and have a moveable steel strike-off to control crown.

D. Longitudinal Joint Filling Equipment. Provide longitudinal joint filling equipment with a steel V-configuration screed box commercially designed and manufactured to fill longitudinal joints as required. Ensure that the box will achieve a mixture spread width of between 2 and 3 feet and have a moveable steel strike-off to control crown.

E. Small Tools. Provide hand squeegees, shovels, and other equipment necessary to perform the work.

F. Cleaning Equipment. Provide cleaning equipment such as power brooms, air compressors, water flushing equipment, and hand brooms adequate for surface preparation.

3.18.4 CONSTRUCTION

3.18.4.1 INSTALLING MICRO-SURFACING

A. Micro-Surfacing Plan. At least 20 days before beginning placement of micro-surfacing, submit a detailed plan of operation to the RE for approval that includes the following:

1. Micro-surfacing contractors' superintendant qualifications with a list of at least 5 successful projects, including project owner contact information.
2. Size and description of crew.
3. Number, type, model of equipment and material control/metering devices along with the current calibration documentation.
4. Lighting plan for nighttime operations as specified in 108.06.
5. Method of locating, protecting and maintaining manholes, inlets, other utilities and RPM's.
6. Paving procedures for maintaining continuous operation as specified.
7. Paving sequence. Ensure that the micro-surfacing is constructed for the full lane width as a single paving operation as required in the plans and specifications.
8. Schedule, hours of operation, and production rates for the Project.
9. Plant or stockpile locations for aggregate, micro-surfacing emulsion, mineral filler and any additives.
10. Method of maintaining micro-surfacing-modified emulsion temperature during transportation.
11. Method of constructing joints.
12. Quality control plan outlining the material testing, number and frequency planned in order to ensure compliance.
13. Mix design of the micro-surfacing mixture, the AASHTO accredited laboratory used and the test results of the mixture.

Do not begin micro-surfacing until the RE approves this plan. Submit an adjusted micro-surfacing plan before making adjustments to the micro-surfacing operation.

B. Weather Limitations. If within the 3 hours of micro-surfacing, the National Weather Service locally forecasts a 50 percent chance or greater of precipitation during the scheduled placement, postpone the placement of micro-surfacing. Do not place micro-surfacing if it is precipitating and when precipitation is imminent. The Contractor may resume micro-surfacing operations when the chance of precipitation is less than 50 percent, and the surface is dry.

Do not place micro-surfacing if the surface temperature of the underlying pavement is below 50 °F or if there is a possibility of freezing temperatures within 24 hours after application.

C. Test Strip. Construct a test strip of at least 500 feet in length on the roadway before initial placement commences. Ensure that the tack coat has been placed as specified in 401.03.02. Ensure the test strip is performed during weather and sunlight conditions which will represent project production placement of the micro-surfacing mixture. While constructing the test strip, record the following information and submit to the RE:

1. Ambient Temperature. Measure the ambient temperature at the beginning and end of each day's micro-surfacing operation.

2. Base Temperature. Measure the surface temperature of the existing pavement at the beginning and end of each day's micro-surfacing operation.

3. Weather Conditions. Document the wind speed, amount of direct sunlight and humidity at the time of placement.

4. Tack Coat. Measure to verify the proper application rate, coverage and temperature of tack coat for compliance.

5. Micro-surfacing Mixture. Measure to verify the proper proportions of emulsion, cement, aggregate, additives (if any) and temperature of the micro-surfacing mixture during placement. Measure to verify the proper application rate of the micro-surfacing mixture for compliance.

6. Roller Pattern. Provide details on the number of rollers, type, and number of passes used on the test strip.

7. Initial Set Time. Record the initial time of placement. Verify that the micro-surfacing mixture has achieved initial set within 30 minutes of placement.

8. Performance Under Traffic. Verify that the micro-surfacing shows no visual signs of distress when exposed to traffic after curing for 1 hour.

Submit test strip results to the RE. The RE will analyze the test strip results in conjunction with the ME's results to approve the test strip. Do not proceed with production placement of the micro-surfacing until receiving written permission from the RE.

If the test strip does not meet requirements, make adjustments and construct a second test strip. If the second test strip does not meet requirements, suspend micro-surfacing operations until written approval to proceed is received.

Before making adjustments to the micro-surfacing operations, notify the RE in writing. The RE may require a new test strip to verify the performance of the adjusted micro-surfacing operations.

D. Surface Preparation. Ensure that the surface where the micro-surfacing is placed is clean of foreign and loose material. Remove traffic tape and thermoplastic traffic markings according to 610.03.08 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. Clean the surface of existing pavement using a self-propelled power broom equipped with a vacuum collection system before placing the micro-surfacing. Ensure that the surface is dry when the micro-surfacing operations are about to start. If water is used, allow cracks to dry thoroughly before applying the micro-surfacing.

Ensure that manholes, valve boxes, drop inlets and other service entrances are protected from the micro-surfacing by methods approved by the RE. Protect the RPM's by methods approved by the RE.

If directed by the RE, apply water to dry areas, apply tack coat prior to application of the micro-surfacing mixture in accordance with 401.03.02 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

E. Micro-Surfacing Application. Apply the micro-surfacing mixture over the full lane width in accordance with table 421.03.01-1.

Table 421.03.01-1 Job Mix Types and Application		
Aggregate Type (See Table 902.21.03-1)	Location	Application Rate (lbs/yd ²)
Type II	Surface Course – All Highways	18 – 22
	Leveling Course	As required
Type III	Surface Course – Highways with Heavy Trucks	20 – 30
	Wheel Ruts	As required (See ISSA ¹ A143)
1. International Slurry Seal Association (ISSA)		

Operate spreading equipment to prevent the loss of the mixture on super elevated curves. Spread the mixture to fill cracks and minor surface irregularities and leave a uniform high skid resistant application of aggregate and asphalt on the surface. Operate spreader box so a uniform consistency is achieved without causing skips, lumps or tears in the finished surface.

Spread the mixture to fill minor cracks and shallow potholes and leave a uniform surface. Take care when rut filling to restore the designed profile of the pavement cross section. Ruts which are 1/2" or less can be filled with a single full lane micro-surfacing operation. Ruts which are greater than 1/2" in depth require filling with a separate rut-filling operation. Ruts which are greater than 1 1/2" in depth may require multiple applications with the rut-filling spreader box. Avoid excess crowning (over filling) of rut areas. All rut-filling and level-up material should cure under traffic for at least twenty-four (24) hours before additional material is placed.

Carry a sufficient amount of material, at all times, in all parts of the spreader box, so complete coverage is obtained. Water may be sprayed into spreader box to facilitate spreading without harming the mix. No lumping, balling or unmixed aggregate is permitted in the finished surface.

Adjustments to the additive may be required for slow setting where hand spreading is needed. Use squeegees and lutes to spread the mixture in areas inaccessible to the spreader box and areas requiring hand spreading. When hand spreading, pour the mixture in a small winnow along one edge of the surface to be covered and then spread uniformly by a hand squeegee or lute. Make a neat appearing seam where two passes join. The maximum overlap of longitudinal lane line joints is 3 inches. Remove excess material from ends of each run immediately.

Do not leave streaks, such as those caused by oversized aggregate, in the finished surface. If excess streaking develops, stop the job and propose a solution to the RE. Do not resume placing the micro-surfacing until approved by the RE.

F. Compaction. Rolling of micro-surfacing is required. Do not roll until the micro-surfacing has cured sufficiently to avoid damage by the roller. Use a pneumatic-tired compactor as specified in 1002.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction, except ensure that the roller is equipped with a water-spray system. Roll micro-surfacing with a minimum of at least 1 pass of the pneumatic-tired compactor. The RE may direct additional passes to eliminate roller marks or facilitate compaction of rut-filled areas.

G. Opening to Traffic. Allow the material sufficient curing time before opening to traffic. Remove loose material from the traveled way before opening to traffic. If the material becomes damaged by allowing vehicles to ride on it before it has cured, or it becomes damaged by rain, replace the damaged area.

Ensure all rut-filling and leveling material cures under traffic for at least twenty-four (24) hours before placing additional material.

H. Surface Quality Requirements. Ensure that there is no excess buildup, uncovered areas, or rough areas on the micro-surfacing including the longitudinal or transverse joints. The RE may use a 10 foot straightedge to verify transverse profiles of all finished surfaces. Correct areas that have more than 1/4 inch deviation between any 2 contact points of the straightedge in a manner

approved by the RE. Following correction, retest the area to verify conformance with this requirement.

3.18.5 MEASUREMENT AND PAYMENT

The Department will measure and make payment for the Items as follows:

<u>Item</u>	<u>Pay Unit</u>
MICRO-SURFACING AGGREGATE, TYPE II	TON
MICRO-SURFACING AGGREGATE, TYPE II LONGITUDINAL JOINT-FILLING	TON
MICRO-SURFACING AGGREGATE, TYPE III	TON
MICRO-SURFACING AGGREGATE, TYPE III RUT-FILLING	TON
MICRO-SURFACING EMULSION	GALLON

The Department will make payment for TACK COAT as specified in 401.04 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

The Department will measure MICRO-SURFACING EMULSION by the volume delivered, converted to the number of gallons at 60 °F as calculated by the temperature-volume correction factors specified in 902.01 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction..

MICRO-SURFACING AGGREGATE TYPE II, MICRO-SURFACING AGGREGATE TYPE II LONGITUDINAL JOINT-FILLING, MICRO-SURFACING AGGREGATE TYPE III and MICRO-SURFACING AGGREGATE TYPE III RUT-FILLING will be measured by the ton as indicated on the certified weigh tickets, excluding unused material.

3.19 MICRO-SURFACING COMPOSITION

3.19.1 COMPOSITION OF MIXTURE

Ensure that the micro-surfacing mixture components conform to the following:

- 1. Micro-Surfacing Emulsion.** Use polymer modified emulsified asphalt. Ensure that the emulsified asphalt and emulsified asphalt residue is a quick set polymer modified asphalt emulsion conforming to the requirements of AASHTO M 208 for a CQS-1h emulsion and the following:
 - a.** Use a minimum of 3 percent polymer material, by weight of asphalt.
 - b.** Ensure that the polymer material is milled or blended into the asphalt prior to the emulsification process by an emulsion manufacturer approved by the ME.
 - c.** Ensure that the polymer modifier and any additives enable the micro-surfacing material to receive normal traffic within one hour without causing damage to the surface. The cement mixing test is waived for this emulsion. .
 - d.** Ensure that the emulsified asphalt and the emulsified asphalt residue meet all of the quality test criteria in section 4.1.2 of the International Slurry Surfacing Association (ISSA) "Recommended Performance Guideline for Micro-surfacing"; A 143.

2. **Aggregate.** Use only manufactured stone sand and crushed stone that conform to 901.05 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Ensure that the fine aggregate has a Sand Equivalent value of 65 percent minimum when tested according to AASHTO T 176.

3. **Mineral Filler.** Use mineral filler that conforms to ASTM D 242 and is free of lumps.
4. **Water.** Use water that conforms to 919.08 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.
5. **Other Additives.** The Contractor may use other additives to provide control of the break/set time in the field. Ensure that the type of additive is specified in the mix design.

3.19.2 MIX DESIGN OF MICRO-SURFACING MIXTURE

A. Mix Design Requirements. Ensure that an AASHTO accredited lab, with at least five successfully completed micro-surfacing projects greater than 5,000 square yards each, performs the mix design. Submit the mix design and certified test results of the micro-surfacing mixture for approval in accordance with the provisions of ASTM D 6372, Standard Practice for Design, Testing, and Construction of Micro-Surfacing and the following:

1. Ensure that the aggregate used in the job mix formula is from the same source and representative of the material proposed for use on the project.
2. Ensure that the compatibility of the aggregate, micro-surfacing emulsion, water, mineral filler, and other additives is evaluated in the mix design. Perform the mix design using materials consistent with those supplied by the contractor for the project. Ensure the micro-surfacing mix conforms to the requirements as specified in Table 902.21.02-1.

902.21.02-1 Micro-Surfacing Mixture Requirements		
Tests	ISSA Test Method	Specification
Mix Time @ 77°F Mix Time @ 100°F	TB 113	Controllable to 120 seconds minimum Controllable to 35 seconds minimum
Wet Cohesion @ 30 minutes minimum (set) @ 60 minutes minimum (traffic)	TB 139	12 kg-cm minimum 20 kg-cm or near spin minimum
Wet Stripping	TB 114	90 % minimum
Wet-Track Abrasion Loss One-hour soak Six-day soak	TB 100	50 g/ft ² (538 g/m ²) maximum 75 g/ft ² (807 g/m ²) maximum
Lateral Displacement	TB 147	5% maximum
Specific Gravity after 1,000 cycles of 125 pounds (56.71 kg)	TB 147	2.10 maximum
Excess Asphalt by LWT Sand Adhesion	TB 109	50 g/ft ² (538 g/m ²) maximum
Classification Compatibility	TB 144	11 grade points minimum (AAA, BAA)

1. Ensure proportioning of the mix design is within the limits in Table 902.21.02-2:

Table 902.21.02-2 Mix Design Proportion Requirements	
Component Materials	Limits
Residual asphalt	5.5 to 11.5% by dry weight of aggregates
Mineral filler	0.0 to 3% by dry weight of aggregates
Polymer-based modifier	min. of 3% polymer solids based on bitumen weight content
Additives	as needed
Water	as required to ensure proper mix consistency

1. Ensure that the proportions of aggregate and mineral filler are provided and within the limits of Table 902.21.03-1.

B. Mix Design Report. Submit the final mix design in the following format:

1. Source of each individual material.
2. Aggregate:
 - a. Gradation
 - b. Sand Equivalent
 - c. Abrasion Resistance
 - d. Soundness
3. Field Simulation Tests:
 - a. Wet Stripping Test
 - b. Wet Track Abrasion Loss
 - c. Classification Compatibility
 - d. Trial Mix Time @ 77°F and 100°F
4. Interpretation of Results and the Determination of a Job Mix Formula (JMF):
 - a. Percentage of Mineral Filler (minimum and maximum)
 - b. Percentage of Water, including aggregate moisture (minimum and maximum)
 - c. Percentage of Mix Set Additive (if required)
 - d. Percentage of Modified Emulsion
 - e. Residual Content of Modified Emulsion
 - f. Percentage of Residual Asphalt
 - g. Combined Aggregate Gradation (JMF)
5. Signature and date

3.19.3 SAMPLING AND TESTING

The ME will perform sampling and testing of the aggregate at least 10 days prior to the start of work. If necessary, material will be retested until approved and no work will commence until final approval is granted. The ME will sample aggregate from stockpiles designated and constructed for each mixture type on the project. The ME will sample the aggregate according to AASHTO T 2 and test according to AASHTO T 11 and T 27 using the following sampling frequency:

1. When the project quantity for the specified mixture type is less than 500 tons, designate the entire quantity as one lot and divide into three equal sub-lots for sampling. Obtain one sample for each sub-lot, however, only one of the three samples will be randomly selected by the ME and tested for compliance with Table 902.21.03-1. When the sample tested meets the specification, the entire lot will be considered acceptable for use on the project. When the sample fails, test the remaining two samples and the average of the three results will be used for acceptance. When failure is indicated by the average result, the entire lot will be rejected. Only after the entire rejected lot has been blended or screened

will retesting for acceptance of such material be considered. When retesting is performed, test all sample increments and the average result will be used for acceptance.

2. When the project quantity for the specified mixture type is 500 tons or greater, divide the aggregate into equal lots at the discretion of the ME, but in no case is the lot size to exceed 1,000 tons. Divide each lot into three equal sub-lots, with one sample obtained for each sub-lot. The ME will test all three samples for each lot and use the average result. When the average result for each lot meets the specification, the entire lot is acceptable for use on the project. When failure is indicated by the average result of a lot, the entire lot will be rejected. The ME will retest for acceptance as described above.

Take precautions to ensure that approved stockpiles of aggregate do not become contaminated at the jobsite. Screen oversize aggregate or foreign materials from the aggregate prior to delivery to the mixer.

During the micro-surfacing application, in the presence of the inspector, sample the mixture twice daily or as directed from the pug mill discharge chute. Use a rectangular non-absorptive container, such as a loaf pan, of sufficient size to obtain a sample from the entire cross section of the mixture being discharged. Ensure that an AASHTO accredited lab, with at least five successfully completed micro-surfacing projects greater than 5,000 square yards each, analyzes the mix for binder content and compliance with specifications. Submit certified results to the ME. To ensure mix compliance, the ME may perform independent testing.

Ensure that the asphalt content is within ± 0.40 of the JMF. If the asphalt content is outside of the allowable tolerance, recalibrate or adjust the mixing machine. The RE may stop the micro-surfacing operation if two or more samples fail to conform to the tolerance. Take corrective action or re-design the micro-surfacing mixture. Resume operations only after RE has approved the corrective action.

Use aggregate, including mineral filler, which conforms to the gradation in Table 902.21.03-1.

Table 902.21.03-1 Gradation Requirements for Aggregate and Mineral Filler

Sieve Size	Type II Percent Passing	Type III Percent Passing	Stockpile Tolerances from JMF
3/8"	100	100	-
No. 4	90-100	70-90	$\pm 5\%$
No. 8	65-90	45-70	$\pm 5\%$
No. 16	45-70	28-50	$\pm 5\%$
No. 30	30-50	19-34	$\pm 5\%$
No. 50	18-30	12-25	$\pm 4\%$
No. 100	10-21	7-18	$\pm 3\%$
No. 200	5-15	5-15	$\pm 2\%$

3.19.4 BILLING FOR MICRO-SURFACING

Work performed and satisfactorily completed for micro-surfacing, will be submitted for payment on a properly prepared New Jersey State invoice form AR 50/54 to:

New Jersey Department of Transportation
Bureau of Accounting
Accounts Payable Section
CN 600

Trenton, New Jersey 08625

Payment will be made as determined at the unit price bid in the proposal (bid sheet).

3.20 FULL DEPTH CONCRETE PAVEMENT REPAIR

3.20.1 DESCRIPTION

All Materials and Equipment for concrete pavement repair shall be supplied by the contractor. This section describes the requirements for constructing full depth concrete pavement repairs with Hot Mix Asphalt (HMA) as per NJDOT specification 453.01.

3.20.2 MATERIALS

Coarse Aggregate (No. 8) as specified in [901.03](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

Cutback Asphalt, MC-250 as specified in [902.01.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

HMA as specified in [902.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

Use an approved 9.5 or 12.5 nominal maximum size HMA surface course mix for patching areas after form removal.

Use an approved HMA 25M64 base course for full depth HMA pavement repairs.

3.20.3 EQUIPMENT

HMA Paver as specified in [1003.03](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

HMA Compactor as specified in [1003.05](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

Vibratory Drum Compactor as specified in [1003.06](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

Sealer Application System as specified in [1003.08](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

HMA Plant as specified in [1009.01](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

HMA Trucks as specified in [1009.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction

3.20.4 CONSTRUCTION

- A. Preparation.** Saw cut full depth at the limits of the repair. Remove existing concrete or composite pavement using the lift out method. Do not use in-place breaking to remove concrete. Ensure that spalling of the remaining concrete does not occur during the lifting. Reuse removed pavement as specified in [202.03.07.A](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. The Contractor may saw cut the slab and drill the lift out holes up to 5 days before the concrete removal. Only remove concrete that can be replaced during the workday. Repair any damage to remaining pavements.

After the existing concrete has been removed, the RE will examine underlying material to determine its condition. If water or excess moisture exists in the area, remove the underlying material to the depth specified by the RE. Place and compact coarse aggregate using the directed method as specified in [203.03.02.C](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. Grade the underlying surface so that the thickness of the repair matches the existing slab thickness.

- B. Weather Limitations.** Do not place HMA if it is precipitating. Do not allow trucks to leave the plant when precipitation is imminent. The Contractor may resume operations when the precipitation has stopped and the surface is free of water.

When placing HMA, ensure that the base temperature meets the minimum temperature requirements specified in [Table 401.03.03-1](#).

Table 401.03.03-1 Minimum Base Temperature	
Lift Thickness, inches (t)	Minimum Base Temperature, ° F
$T \leq 1$	50
$1 < t < 2$	41
$T \geq 2$	32

- C. HMA Placement.** Dump, spread, and screed the HMA in 4" or 6" lifts and no thicker than 6 times the nominal maximum size of the aggregate. In small areas, spread, rake, and lute HMA with hand tools. Compact using vibratory drum compactors or HMA compactors for a minimum of 4 passes.
- D. Opening to Traffic.** Remove all loose material from the repair before opening to traffic. Open repairs to traffic when the surface temperatures is below 140 °F.

3.20.5 MEASUREMENT AND PAYMENT

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
FULL DEPTH CONCRETE PAVEMENT REPAIR, HMA	SQUARE YARD

3.21 SEALING OF CRACKS AND JOINTS IN HMA SURFACE COURSE

3.21.1 DESCRIPTION

This section describes the requirements for cleaning and sealing, with hot-poured joint sealer, all joints (transverse and longitudinal) and cracks, ¼ inch wide or wider, in the surface course of HMA.

3.21.2 MATERIALS

Joint Sealer, Hot-Poured as specified in [914.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.21.3 EQUIPMENT

Sealer Application System as specified in [1003.08](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Hot-Air Lance as specified in [1008.06](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.21.4 CONSTRUCTION

The contractor shall seal cracks and joints that are 1/4 inch wide or wider. Clean cracks to a depth of 1 inch using a random crack saw, carbide-tipped, rotary-impact router, commercial power-driven wire brush, or by other RE approved means. Provide acceptable protective screening if the cleaning operation causes damage to or interference with traffic in adjacent lanes.

Immediately before applying sealant, clean cracks and dry further with a hot-air lance.

At least 10 day before beginning the work, submit to the RE a copy of the manufacturer's recommendations for heating and applying the sealant. Seal cracks with hot-poured joint sealant according to the manufacturer's recommendations. Cut sealant into small pieces to facilitate slow and uniform melting with constant stirring. Ensure that the temperature of the sealant in the field application equipment does not exceed the recommended safe heating temperature. Do not heat sealant material at the pouring temperature for more than 6 hours and do not reheat.

Pour sealant into the cracks so that, upon completion of the work, the surface of the sealant is flush with or not more than 1/4 inch lower than the surface of the adjacent HMA surface course. If the sealant subsides to a lower level, perform another pouring. When more than 1 pour is required to fill the cracks, perform succeeding pours immediately after shrinkage of the previous pouring. If spilling or overfilling occurs, immediately squeegee the crack. If the RE determines that the overfilled crack or spilled sealant creates a slippery, hazardous, or otherwise undesirable condition, initially correct the area by sprinkling a light application of abrasive (sand or grit material) to absorb the excess material, restore skid-resistance, and abate the condition caused by the over pour. After the excess material has been absorbed, hand sweeps the area clean, and restore to its original condition or texture to the RE's satisfaction.

Do not allow traffic or construction equipment over the poured cracks until the sealant has hardened sufficiently to resist pickup. The RE may direct sprinkling of dry sand over poured areas to provide additional pickup resistance.

3.21.5 MEASUREMENT AND PAYMENT

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
SEALING OF CRACKS AND JOINTS IN HOT MIX ASPHALT SURFACE COURSE	LINEAR FOOT

3.22 SEALING EXISTING JOINTS IN CONCRETE PAVEMENT

3.22.1 DESCRIPTION

This Section describes the requirements for cleaning and sealing transverse and longitudinal joints in existing concrete pavement.

3.22.2 MATERIALS

Joint Sealer as specified in [914.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Backer Rod as specified in [914.02](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.22.3 EQUIPMENT

Sealer Application System as specified in [1003.08](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Hot-Air Lance as specified in [1008.06](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.22.4 CONSTRUCTION

Clean joints to be sealed to a depth of at least 2 inches by use of a rectangular plow, a diamond blade saw, or other suitable equipment. Remove joint material, in-compressible, rubble, and other extraneous materials present in the joint or adhering to the face of the adjacent concrete slabs. Clean both faces of the joint by sandblasting to the depth of the proposed sealer, leaving the faces clean and free of existing joint sealer and other contaminants. Blow the joint with a hot-air lance to provide a dry surface.

Insert the backer rod only in transverse expansion joints at a depth equal to the joint width plus 1/4 inch for the recess. Install the backer rod with a double wheeled steel roller without stretching or puncturing the backer rod.
Ensure that the backer rod is firmly seated to support the joint sealer in the joint.

Melt the joint sealer according to the manufacture’s recommendations. Ensure that the application temperature of the joint sealer is approximately 295 °F, except do not exceed the manufacturer’s safe heating temperature. Seal joints when the ambient temperature is above 40 °F.

Discard the first gallon of material to flow from the applicator wand. Pour joint sealer in the joints, ensuring that joint sealer is not spilled on the surface of the concrete. If spillage occurs, immediately remove spilled joint sealer from the surface of the concrete. Fill joints so that the joint sealer is 1/8 to 1/4 inch below the adjacent surface.

Remove the joint sealer for the full slab width and full seal depth from joints that are filled to within 1/8 inch of the elevation of the adjacent concrete. Completely clean and reseal the joints the same day as the joint overfilling occurred.

Do not allow traffic over the poured joints until the joint sealer has hardened to resist pickup.

3.22.4 MEASUREMENT AND PAYMENT

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
SEALING EXISTING JOINTS IN CONCRETE PAVEMENT	LINEAR FOOT

3.23 TRAFFIC STRIPES AND RAISED PAVEMENT MARKERS (RPM)

3.23.1 DESCRIPTION

This Section describes the requirements for applying traffic stripes and Raised Pavement Markers (RPMs) to HMA and concrete surfaces. This Section also describes the requirements for removing RPMs, and removing and replacing RPM lenses.

3.23.2 MATERIALS

The contractor shall supply Epoxy Traffic Stripes as specified in [912.03.01](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Raised Pavement Marker (RPM) as specified in [912.03.03](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Epoxy Resin Adhesive as specified in [912.03.03.2](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Lenses as specified in [912.03.03.3](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Lens to Casting Adhesive as specified in [912.03.03.4](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.23.3 EQUIPMENT

Epoxy Striping Equipment as specified in [1007.01](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Traffic Stripe and Marking removal Equipment as specified in 1007.03 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.23.4 CONSTRUCTION

Long-Life Traffic Stripes

A. Striping Plan. At least ten (10) days before beginning the work, submit to the RE for approval a striping plan that includes:

1. Schedule of operations for applying traffic stripes.
2. Number and type of equipment.
3. Manufacturer's recommendations for use of the materials, including, but not limited to, mixing ratios and application temperatures.

B. Surface Preparation. Immediately before striping the pavement surface, clean the surface of dirt, oil, grease, and foreign material, including curing compound on new concrete. Clean the surface 2 inches beyond the perimeter of the stripes to be placed.

C. Striping Test Strip. Before beginning long-life traffic striping operations, construct 1 or more striping test strips as specified in [610.03.01.D](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. For each striping test strip, apply striping to approximately 500 linear feet of pavement with the same striping procedure that will be used for the Project. Construct a test strip for each applicator unit and long-life material used. Construct additional test strips when major equipment repairs or adjustments are made or when the traffic stripes are determined to be defective. When the test strip is in compliance, as determined by the RE, proceed with striping operations. Each test strip may remain in place and become part of the finished stripes subject to the requirements of [610.03.01.E](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

D. Applying Striping. Mix epoxy resin with an automatic proportioning and mixing machine, and hot-spray the compound at a temperature of between 100 and 130 °F onto dry

surfaces. Apply the compound with a wet film thickness of 20 ± 1 mil. Apply the material during dry weather conditions when the ambient temperature is a minimum of 45 °F and the surface temperature is a minimum of 50 °F. Adjust operations as required for the prevailing ambient and surface conditions to achieve a no-track drying time of 30 minutes or less.

Immediately after, or in conjunction with, the compound application, uniformly apply 12 pounds of large glass beads per gallon of epoxy resin to the compound. After applying the large glass beads, uniformly apply 12 pounds of small glass beads per gallon of epoxy resin to the compound.

Remove all compounds that has been tracked or spilled outside of the intended placement areas.

- E. Defective Stripes.** Replace long-life traffic stripes that are determined by the RE before Acceptance to be defective or that are damaged due to saw cutting or sealing of joints in the HMA overlay. Remove defective stripes as specified in [610.03.08](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Replace the entire 10-foot skip line if the RE determines the line to have a deficiency.

If the RE determines, based upon calculated and measured yields, that the striping has a wet film thickness of less than 19 mils, restripe the entire length with 20 mils of new compound.

Replace the entire length of striping where improper curing or discoloration has occurred. Discoloration is localized areas or patches of brown or grayish colored compound. Where improper curing or discoloration occurs intermittently in intervals of 100 feet or less throughout the striping length, replace the entire length of striping from the beginning of the first occurrence until the end of the last occurrence, plus 5 feet on each end.

Replace the entire length of striping that has failed to bond to the pavement, or has chipped or cracked. Where more than 25 spots of chipping, cracking, or poor bonding have occurred within 1000 linear feet of striping, replace the entire 1000 foot length of striping.

Replace the entire area of striping where the glass bead coverage or retention is deficient, based on yield measurements made during application and on visual comparisons of the production traffic stripes with those of the test strips.

Replace the entire 1-mile length of striping where the initial retro reflectance values for 2 of 4 readings for that 1 mile length are less than 375 millicandelas per square meter per lux for white or 250 millicandelas per square meter per lux for yellow, as measured with a LTL-2000 Retroreflectometer.

- F. Opening to Traffic.** Complete each application of all types of traffic stripes and allow to thoroughly dry before opening to traffic. At a minimum, delineate center lines on undivided roadways and broken lines between lanes before the traveled way is opened. The RE will determine when the traveled way can be opened to traffic.

3.23.5 RAISED PAVEMENT MARKERS (RPM)

Lay out the locations of all RPMs before installing to ensure proper placement. Place RPMs as follows:

1. Place RPMs on the travel lane side of solid paint lines at a distance of 2 inches from the near edge of the paint line to the near edge of the RPM.
2. Place amber RPMs between double yellow paint lines when there is no conflict with a longitudinal joint.
3. Place RPMs located along skip lines on the line's longitudinal center axis and at the midpoint of the unpainted gap between each dash.
4. When placing RPMs near longitudinal joints, place at least 2 inches from the joint.

Obtain RE approval of RPM locations before beginning saw cutting operations. If the pre-installation layout determines that a RPM is to be placed at a transverse joint or at a location that shows evidence of cracking, checking, spalling, or the failure of underlying base material, relocate the RPM longitudinally. Obtain RE approval of the proposed relocation. Ensure that the center-to-center RPM distance does not deviate from the specified distance by ± 4 feet. If the center-to-center distance for the proposed relocation deviates from the specified center-to-center distance by ± 4 feet, do not install the RPM.

When placing RPMs on bridge deck surfaces, locate reinforcement steel in the bridge decks using a pachometer. Do not place RPMs in any location that would expose the existing reinforcement steel. Repair damage to the reinforcement steel or bridge deck that is caused by the installation of RPMs.

Saw cut roadway grooves to the depth, width, and diameter specified by the RPM manufacturer. Saw cut only those grooves for RPMs that will be installed during the same workday.

Ensure that roadway grooves are free of dirt, dust, oil, grease, moisture, curing compounds, loose or unsound pavement, or other material that may interfere with bonding of the epoxy compound. Sand blast grooves where necessary. Ensure that the grooves are dry where installing RPMs.

Apply epoxy compound according to the manufacturer's recommendations. Do not apply epoxy compound when either the pavement surface or ambient air temperature is less than 50 °F at the time of application.

Install RPMs according to the manufacturer's recommendations. RPM leveling lugs shall rest on the pavement surface. Do not allow lugs to drop below the pavement surface. The tips of each RPM's snow plow deflecting surface must remain below the roadway surface.

Use reflector adhesive to bond each RPM lens to its casting. The RE will reject a RPM if visible buildup of epoxy compound or reflector adhesive affects its optical performance.

Removal of RPMs

Remove RPMs that are not installed to full depth or that have a raised end exposed above the pavement surface. Fill the hole with approved material and install a new RPM longitudinally within 2 feet.

Replace RPMs that have been damaged by traffic striping or marking material as a result of improperly located traffic stripes or markings.

Dispose of RPMS as specified in 201.03.09 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Removal and Replacement of RPM Lenses

Remove existing RPM lenses and install new mono-directional or bi-directional pavement reflector lenses using methods that do not damage the RPM castings.

Dispose of RPM Lenses as specified in 201.03.09 of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

Removal of Traffic Stripes and Markings

Remove traffic stripes and traffic markings using methods that do not damage the underlying or adjacent pavement, and do not cause gouging or create ridges or grooves in the pavement. Before beginning removal operations, demonstrate to the RE the proposed method to remove at least 95 percent of stripes or markings without removing more than 1/16 inch of pavement thickness. Obtain RE approval before beginning removal operations.

The removal area includes the area of the stripe or marking plus 1 inch on all sides. Only remove traffic stripes or markings that will be replaced during the same workday.

Dispose of debris from the removal of stripes and markings as specified in [201.03.09](#) of the 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.

3.23.6 MEASUREMENT AND PAYMENT

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
TEMPORARY TRAFFIC STRIPES, 4"	LINEAR FOOT
TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, 4"	LINEAR FOOT
RPM, BI-DIRECTIONAL, AMBER LENS	UNIT
REMOVAL OF RPM	UNIT
REMOVAL AND REPLACEMENT OF RPM LENS	UNIT
REMOVAL OF TRAFFIC STRIPES	LINEAR FOOT
REMOVAL OF TRAFFIC MARKING	SQUARE FOOT

3.24.6 ASPHALT PRICE ADJUSTMENT

The Department will make monthly price adjustments for asphalt binder usage. The Department will calculate asphalt price adjustments based on the quantities of Items containing asphalt binder constructed during a given month.

Price adjustments may result in an increased payment to the Contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

The Department will calculate the asphalt price adjustment by the following formula:

$$A = (MA - BA) \times T$$

Where:

A = Asphalt Price Adjustment

MA = Monthly Asphalt Price Index

BA = Basic Asphalt Price Index

T = Tons of New Asphalt Binder¹

¹ The Department will determine the weight of asphalt binder for price adjustment by multiplying the percentage of new asphalt binder in the approved job mix formula by the weight of the item containing asphalt binder. If a Hot Mix Asphalt item has a payment unit other than ton, the Department will apply an appropriate conversion factor to determine the number of tons used.

For TACK COAT and PRIME COAT, the Department will calculate asphalt price adjustments by the following formula:

$$A = B \times [(MA - BA)/BA] \times C \times M \times G$$

Where:

A = Asphalt Price Adjustment

B = Bid Price for Tack Coat/Prime Coat

MA = Monthly Asphalt Price Index

BA = Basic Asphalt Price Index

C = Petroleum Content of the Tack Coat and Prime Coat in Percent by Volume:

Use 100% for cutbacks and Tack Coat 64-22

60% for Polymer Modified Tack Coat

60% for RS or similar type emulsions

M = Percentage of Bid Price Applicable to Materials Only: Use 82%

G = Gallons of Tack Coat and Prime Coat Furnished and Applied

The monthly asphalt price index, as determined by the Department, will be the average of quotations from suppliers serving the area in which the Project is located, and will be determined by the Department each month. The Department will post the [monthly asphalt price index](#) every month on the Department's web site.

The basic asphalt price index is the asphalt price index for the month before the opening of bids. The Department will use the asphalt price index for the month before the regular monthly estimate cut off date as the monthly asphalt price index.

If the monthly asphalt price index increases 50 percent or more over the basic asphalt price index, do not perform work on Items containing asphalt binder without written approval from the RE.

160.04 MEASUREMENT AND PAYMENT

The Department will measure and make payment for Items as follows:

Item	Pay Unit
ASPHALT PRICE ADJUSTMENT	LUMP SUM

4.0 PROPOSAL PREPARATION AND SUBMISSION

4.1 GENERAL

The bidder is advised to thoroughly read and follow all instructions contained in this RFP, including the instructions on the RFP's signatory page, in preparing and submitting its proposal.

Use of URLs in a proposal should be kept to a minimum and may not be used to satisfy any material term of an RFP. If a preprinted or other document included as part of the proposal contains a URL, a printed (or if a bid is submitted electronically, electronic) copy of the URL page shall be provided and will be considered as part of the proposal. Additional URLs on the copy of the URL page shall not be considered as part of the proposal unless a copy of those URL pages is also provided.

The forms discussed herein and required for submission of a proposal in response to this RFP are available on the web at <http://www.state.nj.us/treasury/purchase/bid/summary/12X22357.shtml> unless noted otherwise.

4.2 PROPOSAL DELIVERY AND IDENTIFICATION

In order to be considered, a proposal must arrive at the Division in accordance with the instructions on the RFP signatory page accompanying this RFP. Bidders are cautioned to allow adequate delivery time to ensure timely delivery of proposals. **State regulation mandates that late proposals are ineligible for consideration. THE EXTERIOR OF ALL PROPOSAL PACKAGES ARE TO BE LABELED WITH THE PROPOSAL IDENTIFICATION NUMBER AND THE FINAL PROPOSAL OPENING DATE OR RISK NOT BEING RECEIVED IN TIME.**

4.3 EBID VS. NON-EBID SUBMISSION INSTRUCTION

4.3.1 EBID SUBMISSION OF PROPOSAL

If the bidder is submitting an eBid proposal, hard copy submission is not required, please see section 4.3.2 for number of complete and exact copies." Instructions detailing how to enroll in and submit an eBid are available on the web at <https://wwwnet1.state.nj.us/treasury/dpp/ebid/>. If the bidder submits both an eBid and a hard copy of the bidder's proposal, the eBid proposal will prevail in the event of a discrepancy between the electronic and paper versions.

When submitting an eBid, do not use any symbols (i.e., #, @, \$, &, *) in the filename. In addition, the bidder should name each converted PDF electronic file and folder as follows:

4.3.2 NON-EBID SUBMISSION

The bidder must submit the following proposal copies:

One (1) complete ORIGINAL proposal clearly marked as the "ORIGINAL" proposal.
Two (2) complete and exact copies clearly marked "COPY".

Copies are necessary in the evaluation of the proposal and for record retention purposes. A bidder failing to provide the requested number of copies will be charged the cost incurred by the State in producing the requested number of copies. The bidder should make and retain a copy of its proposal.

4.4 PROPOSAL CONTENT

4.4.1 FORMS, REGISTRATIONS AND CERTIFICATIONS REQUIRED WITH PROPOSAL

4.4.1.1 SIGNATORY PAGE

The bidder shall complete, including signature of an authorized representative of the bidder, and submit the Signatory Page accompanying this RFP. If the bidder is a limited partnership, the Signatory Page must be signed by a general partner. If the bidder is a joint venture, the Signatory Page must be signed by a principal of each party to the joint venture. Failure to comply will result in rejection of the proposal.

4.4.1.1.1 MACBRIDE PRINCIPLES CERTIFICATION

The bidder must certify pursuant to N.J.S.A. 52:34-12.2 that it is in compliance with the MacBride principles of nondiscrimination in employment as set forth in N.J.S.A. 52:18A-89.5 and in conformance with the United Kingdom's Fair Employment (Northern Ireland) Act of 1989, and permit independent monitoring of their compliance with those principles. Please refer to Section 2.5 of the State of NJ Standard Terms and Conditions and N.J.S.A. 52:34-12.2 for additional information about the McBride principles.

By signing the RFP Signatory Page, or by entering its PIN if submitting an eBid proposal, the bidder/offeror is automatically certifying that either:

- a. The bidder has no operations in Northern Ireland; or
- b. The bidder has business operations in Northern Ireland and is committed to compliance with the MacBride principles.

A bidder/offeror electing not to certify to the MacBride Principles must nonetheless sign the RFP Signatory Page AND must include, as part of its proposal, a statement indicating its refusal to comply with the provisions of this Act.

4.4.1.1.2 NO SUBCONTRACTOR CERTIFICATION

For a proposal that does NOT include the use of any subcontractors, by signing the RFP Signatory Page, or by entering a PIN if submitting an eBid proposal, the bidder is *automatically* certifying that:

1. In the event the award is granted to bidder's' firm and the bidder later determines at any time during the term of the contract to engage subcontractors to provide certain goods and/or services, pursuant to Section 5.8 of the State of NJ Standard Terms and Conditions, the bidder will submit a Subcontractor Utilization Plan form for approval to the Division of Purchase and Property in advance of any such engagement of subcontractors.
2. If the contract is a small business subcontracting set-aside, the bidder certifies that in engaging subcontractors, it will make a good faith effort to achieve the subcontracting set-aside goals, and will attach to the Subcontractor Utilization Plan documentation of such efforts in accordance with N.J.A.C. 17:13-4 et seq.

4.4.1.1.3 NON-COLLUSION

By submitting a proposal, the bidder certifies as follows:

- a. The price(s) and amount of its proposal have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder.
- b. Neither the price(s) nor the amount of its proposal, and neither the approximate price(s) nor approximate amount of this proposal, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before proposal opening.
- c. No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.
- d. The proposal of the firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.
- e. The bidder, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four (4) years been convicted or found liable for any act prohibited by state or federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract.

4.4.1.1.4 NEW JERSEY BUSINESS ETHICS GUIDE CERTIFICATION

The Treasurer has established a business ethics guide to be followed by State contractors in their dealings with the State. The guide provides further information about compliance with Section 2.8 of the State of New Jersey Standard Terms and Conditions. The guide can be found at:

http://www.state.nj.us/treasury/purchase/ethics_guide.shtml

By signing the RFP signatory page, or by entering a pin if submitting an e-bid proposal, the bidder is automatically certifying that it has read the guide, understands its provisions and is in compliance with its provisions.

4.4.1.2 OWNERSHIP DISCLOSURE FORM

Pursuant to N.J.S.A. 52:24.2, in the event the bidder is a corporation, partnership or sole proprietorship, the bidder must complete the attached Ownership Disclosure Form. A current completed Ownership Disclosure Form must be received prior to or accompany the proposal. Failure to submit the form will preclude the award of a contract.

4.4.1.3 DISCLOSURE OF INVESTIGATIONS AND ACTIONS INVOLVING BIDDER

The bidder shall provide a detailed description of any investigation, litigation, including administrative complaints or other administrative proceedings, involving any public sector clients during the past five (5) years including the nature and status of the investigation, and, for any litigation, the caption of the action, a brief description of the action, the date of inception, current status, and, if applicable, disposition. The bidder shall use the Disclosure of Investigations and Actions Involving Bidder form for this purpose.

4.4.1.4 SUBCONTRACTOR UTILIZATION PLAN

All bidders intending to use a subcontractor must submit a completed Subcontractor Utilization Plan. Please see the State of New Jersey, Division of Purchase and Property's Subcontractor Forms which includes the Subcontractor Utilization Plan form.

4.4.1.5 SMALL BUSINESS REGISTRATION FOR SET-ASIDE CONTRACTS

Pursuant to the provisions of N.J.S.A. 52:32-17 and N.J.A.C. 17:13, this contract, or a portion thereof, has been designated as a set-aside contract for small business. As such, as indicated on page one of this document, eligibility to bid is limited to bidders that meet statutory and regulatory requirements and have had their eligibility determined by the New Jersey Division of Revenue, Small Business Enterprise Unit.

As defined at N.J.A.C. 17:13-1.2, "Small Business" means a business that is incorporated or registered in and has its principal place of business in the State of New Jersey, is independently owned and operated, and has no more than 100 full-time employees. The program places small business into the following categories: (i) those with gross revenues not exceeding \$500,000; (ii) those with gross revenues not exceeding \$5 million; and (iii) those with gross revenues that do not exceed \$12 million, or the applicable federal revenue standards established at 13 CFR 121.201, whichever is higher. While companies registered as having revenues below \$500,000 can bid on any contract, those earning more than the \$500,000 and \$5 million amounts will not be permitted to bid on contracts designated for revenue classifications below their respective levels.

Inasmuch as this is a full or partial set-aside contract, the bidder should provide, as part of its response to this solicitation, proof of its current registration as a qualifying small business with the New Jersey Division of Revenue, Small Business Enterprise Unit. Application and registration requirements are presented on the web at <http://www.nj.gov/njbusiness/contracting/> or by contacting that agency during business hours as indicated below.

NEW JERSEY DEPARTMENT OF THE TREASURY
DIVISION OF REVENUE
SMALL BUSINESS ENTERPRISE UNIT
33 WEST STATE STREET – FIFTH FLOOR
PO BOX 026, TRENTON, NJ 08625-0026
TELEPHONE: 609-292-2146
FAX #: 609-292-8764

**** IF THE BIDDER IS AN INCUMBENT CONTRACTOR AND/OR HAS PREVIOUSLY REGISTERED OR BEEN CERTIFIED UNDER THE FORMER SBE/MBE/WBE PROGRAM, THE BIDDER SHOULD ENSURE IT IS REGISTERED ON THE DAY OF PROPOSAL RECEIPT AND OPENING WITH THE DIVISION OF REVENUE, SMALL BUSINESS ENTERPRISE UNIT UNDER THE SMALL BUSINESS PROGRAM TO BE ELIGIBLE FOR AWARD.**

IN ORDER TO EXPEDITE THE SMALL BUSINESS REGISTRATION PROCESS FOR THIS PROCUREMENT, THE BIDDER MAY FAX A COPY OF RFP PAGE ONE (1) REFLECTING THE PROPOSAL SUBMISSION DUE DATE ALONG WITH THE COMPLETED SMALL BUSINESS REGISTRATION FORM TO THE NEW JERSEY DIVISION OF REVENUE, SMALL BUSINESS ENTERPRISE UNIT TO THE FAX NUMBER ABOVE.

4.4.1.5.1 SMALL BUSINESS SET-ASIDE CONTRACTS

Not Applicable to this procurement.

4.4.1.6 BID SECURITY

The amount of bid security is noted on the RFP Signatory Page accompanying this RFP. Such security must be submitted with the bidder's proposal. In the event the bidder has an annual bid bond on file with the Division, the bidder should so note in the appropriate box on RFP Signatory Page accompanying this RFP. If submitting an ebid, the bid security must be received by the Purchase Bureau of the Division of Purchase and Property at the date and time as indicated on the RFP cover sheet.

THE LOCATION IS AS FOLLOWS:

PROPOSAL RECEIVING ROOM – 9TH FLOOR
PURCHASE BUREAU
DIVISION OF PURCHASE AND PROPERTY
DEPARTMENT OF THE TREASURY
33 WEST STATE STREET, P.O. BOX 230
TRENTON, NJ 08625-0230

Failure to submit the bid security in the required timeframe will result in bid rejection.

Acceptable forms of bid security are as follows:

- A properly executed individual or annual bid bond issued by an insurance or security company authorized to do business in the State of New Jersey, a certified or cashier's check drawn to the order of the Treasurer, State of New Jersey, or an irrevocable letter of credit drawn naming the Treasurer, State of New Jersey as beneficiary issued by a federally insured financial institution.

The State will hold all bid security during the evaluation process. As soon as is practicable after the completion of the evaluation, the State will:

- (a) Issue an award notice for those offers accepted by the State;
- (b) Return all bond securities to those who have not been issued an award notice.

All bid security from contractors who have been issued an award notice shall be held until the successful execution of all required contractual documents and bonds (performance bond, insurance, etc). If the contractor fails to execute the required contractual documents and bonds within thirty (30) calendar days after receipt of award notice, the contractor may be found in default and the contract terminated by the State. In case of default, the State reserves all rights inclusive of, but not limited to, the right to purchase material and/or to complete the required work in accordance with the New Jersey Administrative Code and to recover any actual excess costs from the contractor. Collection against the bid security shall be one of the measures available toward the recovery of any excess costs.

4.4.1.7 PRICING

The bidder must submit its pricing on the State supplied Price Sheet/Schedule and supply any additional pricing information as directed in RFP Section 4.4.5.

4.4.2 FORMS REQUIRED BEFORE CONTRACT AWARD AND THAT SHOULD BE SUBMITTED WITH THE PROPOSAL

4.4.2.1 BUSINESS REGISTRATION

In accordance with N.J.S.A. 52:32-44(b), a bidder and its named subcontractors must have a valid Business Registration Certificate ("BRC") issued by the Department of Treasury, Division of Revenue prior to the award of a contract. To facilitate the proposal evaluation and contract award process, the bidder should submit a copy of its valid BRC and those of any named subcontractors with its proposal. Refer to Section 2.1 of the State of NJ Standard Terms and Conditions.

Any bidder, inclusive of any named subcontractors, who does not have a valid business registration at the time of proposal opening or whose BRC was revoked prior to the submission of the proposal should proceed immediately to register its business or seek re-instatement of a revoked BRC. Bidders are cautioned that it may require a significant amount of time to secure the

re-instatement of a revoked BRC. The process can require actions by both the Division of Revenue and the Division of Taxation. For this reason, a bidder's early attention to this requirement is highly recommended. The bidder and its named subcontractors may register with the Division of Revenue, obtain a copy of an existing BRC or obtain information necessary to seek re-instatement of a revoked BRC online at <http://www.state.nj.us/treasury/revenue/busregcert.shtml>.

A bidder otherwise identified by the Division as a responsive and responsible bidder, inclusive of any named subcontractors, but that was not business registered at the time of submission of its proposal must be so registered and in possession of a valid BRC by a deadline to be specified in writing by the Division. A bidder who fails to comply with this requirement by the deadline specified by the Division will be deemed ineligible for contract award. Under any circumstance, the Division will rely upon information available from computerized systems maintained by the State as a basis to verify independently compliance with the requirement for business registration.

A bidder receiving a contract award as a result of this procurement and any subcontractors named by that bidder will be required to maintain a valid business registration with the Division of Revenue for the duration of the executed contract, inclusive of any contract extensions.

4.4.3 SUBMITTALS

In addition to the above requirements, the bidder is encouraged to submit its price list(s) in the form of a CD in PDF or text format. However, the preprinted hard copy paper price list must be included with the bid proposal.

4.4.3.1 BIDDER EXPERIENCE

The bidder should complete ALL the information requested on the Bidder Data Sheet Form attached to this RFP so that the State is able to make a sound business judgment regarding the bidder's experience and capability to perform the contract to the State's satisfaction.

The bidder's are advised to list there non-State contracts on a separate sheet and attach it to the Bidder Data Sheet Form.

4.4.3.2 SAMPLES/SAMPLE TESTING

The samples submitted must meet the specification requirements set forth in the RFP and must be representative of the product bid. Bid samples 00001 through 00014 and 00021 and 00024 for evaluation and testing purposes are to be made available at no charge and delivered to the Department of Transportation, at the bidder's expense. The bidder must, within 10 working days following a request from the State, submit bid samples to the Department of Transportation. Bid samples will not be returned. The Department of Transportation will conduct laboratory tests to assure that the bid samples submitted conform to this RFP. The State reserves the right to perform any tests necessary to assure that the bid samples conform to this RFP. If the sample(s) of the brand/model/product offered by the bidder in its bid proposal fails, the State shall reject the bid. The testing results of the State are final.

4.4.4 FINANCIAL CAPABILITY OF THE BIDDER

Upon request, In order to provide the State with the ability to judge the bidder's financial capacity and capabilities to undertake and successfully complete the contract, the bidder should submit certified financial statements which include a balance sheet, income statement and statement of cash flow, and all applicable notes for the most recent calendar year or the bidder's most recent fiscal year. If certified financial statements are not available, the bidder should provide either a reviewed or compiled statement from an independent accountant setting forth

the same information required for the certified financial statements, together with a certification from the Chief Executive Officer and the Chief Financial Officer, that the financial statements and other information included in the statements fairly present in all material respects the financial condition, results of operations and cash flows of the bidder as of, and for, the periods presented in the statements. In addition, the bidder should submit a bank reference.

If the information is not supplied with the proposal, the State may still require the bidder to submit it. If the bidder fails to comply with the request within seven (7) business days, the State may deem the proposal non-responsive.

A bidder may designate specific financial information as not subject to disclosure when the bidder has a good faith legal/factual basis for such assertion. A bidder may submit specific financial documents in a separate, sealed package clearly marked "Confidential-Financial Information" along with the proposal.

The State reserves the right to make the determination to accept the assertion and shall so advise the bidder.

4.4.5 PRICE SCHEDULE/SHEET

In order for the State to make sound business judgments regarding products and prices offered in response to this RFP, the bidder must supply, with its bid proposal, the information requested on the RFP's pricing lines in sufficient detail as to allow the State to determine the firm, fixed bid pricing and the precise product or service being offered, i.e., with no possible misinterpretation of the price or product/service being offered by the bidder. A bidder's failure to provide, within its bid proposal, the information deemed by the State to be essential for product identification or price determination will result in rejection of that bidder's proposal. Notwithstanding the aforementioned material obligation, in order to support the State's decision-making process, the State may require a bidder to provide additional information or documentation that has been deemed not to be material to product identification or price determination, in which case, the bidder shall, within the time limit set forth in the written request, comply with said request.

Each bidder is required to hold its prices firm for a period of 90 days. Every effort will be made to award the contract prior to the time period set forth above. However, upon the Director's request and by mutual consent, the State and the lowest first responsible Bidder and/or second lowest responsible Bidder and/or third lowest responsible Bidder may agree to extend the time the State may make an award.

4.4.5.1 DELIVERY COSTS

Unless otherwise noted elsewhere in the RFP, all prices for items in proposals shall be submitted F.O.B. Destination. Proposals submitted other than F.O.B. Destination may not be considered. Regardless of the method of quoting shipments, the contractor shall assume all costs, liability and responsibility for the delivery of merchandise in good condition to the State's using agency or designated purchaser.

F.O.B. Destination does not cover "spotting" but does include delivery on the receiving platform of the ordering agency at any destination in the State of New Jersey unless otherwise specified. No additional charges will be allowed for any additional transportation costs resulting from partial shipments made at contractor's convenience when a single shipment is ordered. The weights and measures of the State's using agency receiving the shipment shall govern.

4.4.5.2 C.O.D. TERMS

C.O.D. terms are not acceptable as part of a proposal and will be cause for rejection of a proposal.

4.4.5.3 CASH DISCOUNTS

Bidders are encouraged to offer cash discounts based on expedited payment by the State. The State will make efforts to take advantage of discounts, but discounts will not be considered in determining the lowest proposal.

- a. Discount periods shall be calculated starting from the next business day after the using agency has accepted the goods or services, received a properly signed and executed invoice and, when required, a properly executed performance security, whichever is latest.
- b. The date on the check issued by the State in payment of that invoice shall be deemed the date of the State's response to that invoice.

4.4.6 COOPERATIVE PURCHASING

The bidder should complete the Cooperative Purchasing Form indicating willingness or unwillingness to extend State contract pricing and terms to Cooperative Purchasing partners.

4.4.7 METHOD OF BIDDING OR PRICE SHEETING INSTRUCTION

The bidder must bid all twenty four (24) lines on the price sheet. Failure to do so shall result in the rejection of its bid proposal. The quantities appearing on the price sheet are approximate and are offered for the uniform comparison of bid proposals. The bidder must submit a unit price for each line item, which will be multiplied by the approximate quantity to obtain an extended amount. For the purpose of determining the awardee a consumption model will be used.

5.0 SPECIAL CONTRACTUAL TERMS AND CONDITIONS

5.1 PRECEDENCE OF SPECIAL CONTRACTUAL TERMS AND CONDITIONS

The contract awarded as a result of this RFP shall consist of this RFP, addenda to this RFP, the contractor's proposal, any best and final offer and the Division's Notice of Award.

Unless specifically stated within this RFP, the Special Contractual Terms and Conditions of the RFP take precedence over the State of NJ Standard Terms and Conditions accompanying this RFP.

In the event of a conflict between the provisions of this RFP, including the Special Contractual Terms and Conditions and the State of NJ Standard Terms and Conditions, and any addendum to this RFP, the addendum shall govern.

In the event of a conflict between the provisions of this RFP, including any addendum to this RFP, and the bidder's proposal, the RFP and/or the addendum shall govern.

5.2 CONTRACT TERM AND EXTENSION OPTION

The term of the contract shall be for a period of two (2) years. The anticipated "Contract Effective Date" is provided on the signatory page accompanying this RFP. If delays in the procurement process result in a change to the anticipated Contract Effective Date, the bidder agrees to accept a contract for the full term of the contract.

The contract may be extended for all or part of two (2) one year periods, by the mutual written consent of the contractor and the Director at the same terms, conditions, and pricing at the rates

in effect in the last year of the contract or rates more favorable to the State. **Purchase orders may be placed against the contract up to and including the end of business on the last day of the contract, for delivery no more than forty-five (45) days after contract expiration.**

5.3 CONTRACT TRANSITION

In the event that a new contract has not been awarded prior to the contract expiration date, as may be extended herein, it shall be incumbent upon the contractor to continue the contract under the same terms and conditions until a new contract can be completely operational. At no time shall this transition period extend more than **one hundred and twenty (120) DAYS** beyond the expiration date of the contract.

5.4 CONTRACT AMENDMENT

Any changes or modifications to the terms of the contract shall be valid only when they have been reduced to writing and signed by the contractor and the Director.

5.5 CONTRACTOR RESPONSIBILITIES

The contractor shall have sole responsibility for the complete effort specified in the contract. Payment will be made only to the contractor. The contractor shall have sole responsibility for all payments due any subcontractor.

The contractor is responsible for the professional quality, technical accuracy and timely completion and submission of all deliverables, services or commodities required to be provided under the contract. The contractor shall, without additional compensation, correct or revise any errors, omissions, or other deficiencies in its deliverables and other services. The approval of deliverables furnished under this contract shall not in any way relieve the contractor of responsibility for the technical adequacy of its work. The review, approval, acceptance or payment for any of the services shall not be construed as a waiver of any rights that the State may have arising out of the contractor's performance of this contract.

5.6 CLAIMS AND REMEDIES

5.6.1 CLAIMS

All claims asserted against the State by the contractor shall be subject to the New Jersey Tort Claims Act, N.J.S.A. 59:1-1, et seq., and/or the New Jersey Contractual Liability Act, N.J.S.A. 59:13-1, et seq.

5.6.2 REMEDIES

Nothing in the contract shall be construed to be a waiver by the State of any warranty, expressed or implied, of any remedy at law or equity, except as specifically and expressly stated in a writing executed by the Director.

5.6.3 REMEDIES FOR FAILURE TO COMPLY WITH MATERIAL CONTRACT REQUIREMENTS

In the event that the contractor fails to comply with any material contract requirements, the Director may take steps to terminate the contract in accordance with the State of NJ Standard Terms and Conditions, authorize the delivery of contract items by any available means, with the difference between the price paid and the defaulting contractor's price either being deducted from any monies due the defaulting contractor or being an obligation owed the State by the defaulting contractor as provided for in the State administrative code, or take any other action or seek any other remedies available at law or in equity.

5.7 ITEMS ORDERED AND DELIVERED

The contract involves items which are necessary for the continuation of ongoing critical State services. Any delay in delivery of these items would disrupt State services and would force the State to immediately seek alternative sources of supply on an emergency basis. Timely delivery is critical to meeting the State's ongoing needs. Refer to Section 6.3.a of the State of NJ Standard Terms and Conditions for additional information.

5.8 MANUFACTURING/PACKAGING REQUIREMENTS

All products must conform in every respect to the standards and regulations established by Federal and New Jersey State laws.

All products shall be manufactured and packaged under modern sanitary conditions in accordance with federal and state law and standard industry practice.

All products are to be packaged in sizes as specified in this RFP and shall be packaged in such a manner as to ensure delivery in first class condition and properly marked for identification. All shipments must be comprised of original cartons associated with the commercial industry represented by the actual product contained within each carton. Deliveries containing re-used, re-labeled, re-worked or alternate cartons are subject to rejection by the Using Agency at the contractor's expense.

5.9 ELECTRONIC PAYMENTS

With the award of this contract, the successful vendor(s) will be required to receive their payment(s) electronically. In order to receive your payments via automatic deposit from the State of New Jersey, complete and return the "Credit Authorization Agreement for Automatic Deposits (ACH Credits)" Form with an **original voided check or bank letter**. The form must include ABA number (routing or transit number), bank account number and if the bank account is a checking or savings account. The form and instructions are located on the Office of Management & Budget's website at: <http://www.state.nj.us/treasury/omb/forms/index.shtml>. The completed form along with the required voided check or bank letter should be mailed or faxed to: Department of the Treasury, Office of Management and Budget, PO Box 221, 6TH Floor – Room 674, Trenton, N.J. 08625-0221; fax: (609)-984-5210. To assist in identifying payments, the State offers vendors access to the Vendor Payment Inquiry web application (VPI) which offers check stub information online. Contact the State of New Jersey at AAIUNIT@treas.state.nj.us to request access to this application.

5.10 CONTRACT ACTIVITY REPORT

Contractor(s) must provide, on a calendar quarter basis, to the assigned Division representative, a record of all purchases made under the contract resulting from this RFP. This reporting requirement includes sales to State using agencies, political sub-divisions thereof and, if permitted under the terms of the contract, sales to counties, municipalities, school districts, volunteer fire departments, first aid squads and rescue squads, independent institutions of higher education, state and county colleges and quasi-state agencies. Quasi-state agencies include any agency, commission, board, authority or other such governmental entity which is established and is allocated to a State department or any bi-state governmental entity of which the State of New Jersey is a member.

This information must be provided in a tabular format such that an analysis can be made to determine the following:

- Contractor's total sales volume to each purchaser under the contract, subtotaled by product, including, if applicable, catalog number and description, price list with appropriate page reference and/or contract discount applied.

- Total dollars paid to subcontractors.

Submission of purchase orders, confirmations, and/or invoices do not fulfill this contract requirement for information. Failure to report this mandated information may be a factor in future award decisions.

Contractors must submit the required information in Microsoft Excel format.

5.11 SUBSTITUTION OR ADDITION OF SUBCONTRACTOR(S)

This Subsection serves to supplement but not to supersede Sections 5.8 and 5.9 of the State of NJ Standard Terms and Conditions accompanying this RFP.

The contractor shall forward a written request to substitute or add a subcontractor or to substitute its own staff for a subcontractor to the State Contract Manager for consideration. If the State Contract Manager approves the request, the State Contract Manager will forward the request to the Director for final approval. No substituted or additional subcontractors are authorized to begin work until the contractor has received written approval from the Director.

If it becomes necessary for the contractor to substitute a subcontractor, add a subcontractor or substitute its own staff for a subcontractor, the contractor will identify the proposed new subcontractor or staff member(s) and the work to be performed. The contractor must provide detailed justification documenting the necessity for the substitution or addition.

The contractor must provide detailed resumes of its proposed replacement staff or of the proposed subcontractor's management, supervisory and other key personnel that demonstrate knowledge, ability and experience relevant to that part of the work which the subcontractor is to undertake.

The qualifications and experience of the replacement(s) must equal or exceed those of similar personnel proposed by the contractor in its proposal.

6.0 PROPOSAL EVALUATION

6.1 RIGHT TO WAIVE

The Director reserves the right to waive minor irregularities. The Director also reserves the right to waive a mandatory requirement provided that:

- (1) The requirement is not mandated by law;
- (2) All of the otherwise responsive proposals failed to meet the mandatory requirement; and
- (3) In the sole discretion of the Director, the failure to comply with the mandatory requirement does not materially affect the procurement or the State's interests associated with the procurement.

6.2 DIRECTOR'S RIGHT OF FINAL PROPOSAL ACCEPTANCE

The Director reserves the right to reject any or all proposals, or to award in whole or in part if deemed to be in the best interest of the State to do so. The Director shall have authority to award orders or contracts to the vendor or vendor's best meeting all specifications and conditions in accordance with N.J.S.A. 52:34-12. Tie proposals will be awarded by the Director in accordance with N.J.A.C.17:12-2.10.

6.3 STATE'S RIGHT TO INSPECT BIDDER'S FACILITIES

The State reserves the right to inspect the bidder's establishment before making an award, for the purposes of ascertaining whether the bidder has the necessary facilities for performing the contract.

The State may also consult with clients of the bidder during the evaluation of bids. Such consultation is intended to assist the State in making a contract award which is most advantageous to the State.

6.4 STATE'S RIGHT TO REQUEST FURTHER INFORMATION

The Director reserves the right to request all information which may assist him or her in making a contract award, including factors necessary to evaluate the bidder's financial capabilities to perform the contract. Further, the Director reserves the right to request a bidder to explain, in detail, how the proposal price was determined.

6.5 ORAL PRESENTATION AND/OR CLARIFICATION OF PROPOSAL

After the submission of proposals, unless requested by the State as noted below, vendor contact with the State is still not permitted.

After the proposals are reviewed, one, some or all of the bidders may be asked to clarify certain aspects of their proposals. A request for clarification may be made in order to resolve minor ambiguities, irregularities, informalities or clerical errors. Clarifications cannot correct any deficiencies or material omissions or revise or modify a proposal, except to the extent that correction of apparent clerical mistakes results in a modification.

The bidder may be required to give an oral presentation to the State concerning its proposal.

Bidders may not attend the oral presentations of their competitors.

It is within the State's discretion whether to require the bidder to give an oral presentation or require the bidder to submit written responses to questions regarding its proposal. Action by the State in this regard should not be construed to imply acceptance or rejection of a proposal. The Division will be the sole point of contact regarding any request for an oral presentation or clarification.

6.6 EVALUATION CRITERIA

The following criteria will be used to evaluate all bid proposals that meet the requirements of this RFP. The criteria are not necessarily listed in order of importance:

- a) Price will be ranked by the lowest cost total of several predetermined price lines using a consumption model.
- b) Experience of the bidder – The Contractor shall have a minimum of three (3) years experience in providing the products and services.
- c) The bidder's past performance under similar contracts, including if applicable, the Division's vendor performance database.

6.6.1 PROPOSAL DISCREPANCIES

In evaluating proposals, discrepancies between words and figures will be resolved in favor of words. Discrepancies between unit prices and totals of unit prices will be resolved in favor of unit prices. Discrepancies in the multiplication of units of work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated total of multiplied unit prices and units of work and the actual total will be resolved in favor of the actual total. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum of the column of figures.

6.6.2 EVALUATION OF THE PROPOSALS

After the Evaluation Committee completes its evaluation, it recommends to the Director for award the responsible bidder(s) whose proposal, conforming to this RFP, is most advantageous to the State, price and other factors considered. The Evaluation Committee considers and assesses price, technical criteria, and other factors during the evaluation process and makes a recommendation to the Director. The Director may accept, reject or modify the recommendation of the Evaluation Committee. Whether or not there has been a negotiation process as outlined in Section 6.7 below, the Director reserves the right to negotiate price reductions with the selected bidder.

6.7 NEGOTIATION AND BEST AND FINAL OFFER (BAFO)

After evaluating proposals, the Division may enter into negotiations with one bidder or multiple bidders. The primary purpose of negotiations is to maximize the State's ability to obtain the best value based on the mandatory requirements, evaluation criteria, and cost. Multiple rounds of negotiations may be conducted with one bidder or multiple bidders. Negotiations will be structured by the Division to safeguard information and ensure that all bidders are treated fairly.

Similarly, the Division may invite one bidder or multiple bidders to submit a best and final offer (BAFO). Said invitation will establish the time and place for submission of the BAFO. Any BAFO that is not equal to or lower in price than the pricing offered in the bidder's original proposal will be rejected as non-responsive and the State will revert to consideration and evaluation of the bidder's original pricing.

If required, after review of the BAFO(s), clarification may be sought from the bidder(s). The Division may conduct more than one round of negotiation and/or BAFO in order to attain the best value for the State.

After evaluation of proposals and as applicable, negotiation(s) and/or BAFO(s), the Division will recommend, to the Director, the responsible bidder(s) whose proposal(s), conforming to the RFP, is/are most advantageous to the State, price and other factors considered. The Director may accept, reject or modify the recommendation of the Division. The Director may initiate additional negotiation or BAFO procedures with the selected bidder(s).

Negotiations will be conducted only in those circumstances where they are deemed by the Division or Director to be in the State's best interests and to maximize the State's ability to get the best value. Therefore, the bidder is advised to submit its best technical and price proposal in response to this RFP since the State may, after evaluation, make a contract award based on the content of the initial submission, without further negotiation and/or BAFO with any bidder.

All contacts, records of initial evaluations, any correspondence with bidders related to any request for clarification, negotiation or BAFO, any revised technical and/or price proposals, the Evaluation Committee Report and the Award Recommendation, will remain confidential until a Notice of Intent to Award a contract is issued.

NOTE: If the Division contemplates negotiation, proposal prices will not be publicly read at proposal opening. Only the name and address of each bidder will be publicly announced at proposal opening.

6.8 COMPLAINTS

A bidder with a history of performance problems as demonstrated by formal complaints and/or contract cancellations for cause pursuant to Section 5.7.b of the State of NJ Standard Terms and Conditions accompanying this RFP may be bypassed for an award issued as a result of this RFP.

7.0 CONTRACT AWARD

7.1 DOCUMENTS REQUIRED BEFORE CONTRACT AWARD

7.1.1 REQUIREMENTS OF PUBLIC LAW 2005, CHAPTER 51, N.J.S.A. 19:44A-20.13 - N.J.S.A. 19:44A-20.25 (FORMERLY EXECUTIVE ORDER 134) AND EXECUTIVE ORDER NO. 117 (2008)

a) The State shall not enter into a contract to procure from any Business Entity services or any material, supplies or equipment, or to acquire, sell or lease any land or building, where the value of the transaction exceeds \$17,500, if that Business Entity has solicited or made any contribution of money, or pledge of contribution, including in-kind contributions, to a candidate committee and/or election fund of any candidate for or holder of the public office of Governor or Lieutenant Governor, to any State, county, municipal political party committee, or to any legislative leadership committee during certain specified time periods

b) Prior to awarding any contract or agreement to any Business Entity, the Business Entity proposed as the intended awardee of the contract shall submit the Certification and Disclosure form, certifying that no contributions prohibited by either Chapter 51 or Executive Order No. 117 have been made by the Business Entity and reporting all contributions the Business Entity made during the preceding four years to any political organization organized under 26 U.S.C.527 of the Internal Revenue Code that also meets the definition of a "continuing political committee" within the means of N.J.S.A. 19:44A-3(n) and N.J.A.C. 19:25-1.7. The required form and instructions, available for review on the Division's website at

<http://www.state.nj.us/treasury/purchase/forms.shtml#eo134>, shall be provided to the intended awardee for completion and submission to the Division with the Notice of Intent to Award. Upon receipt of a Notice of Intent to Award a Contract, the intended awardee shall submit to the Division, in care of the Division Procurement Specialist, the Certification and Disclosure(s) within five (5) business days of the State's request. Failure to submit the required forms will preclude award of a contract under this RFP, as well as future contract opportunities.

c) Further, the Contractor is required, on a continuing basis, to report any contributions it makes during the term of the contract, and any extension(s) thereof, at the time any such contribution is made. The required form and instructions, available for review on the Division's website at <http://www.state.nj.us/treasury/purchase/forms.shtml#eo134>, shall be provided to the intended awardee with the Notice of Intent to Award.

7.1.3 AFFIRMATIVE ACTION

The intended awardee must submit a copy of a New Jersey Certificate of Employee Information Report, or a copy of Federal Letter of Approval verifying it is operating under a federally approved or sanctioned Affirmative Action program. Intended awardee(s) not in possession of either a New Jersey Certificate of Employee Information Report or a Federal Letter of Approval must complete the Affirmative Action Employee Information Report (AA-302) located on the web at http://www.nj.gov/treasury/purchase/forms/AA_%20Supplement.pdf.

7.1.4 BUSINESS REGISTRATION

In accordance with N.J.S.A. 52:32-44(b), a bidder and its named subcontractors must have a valid Business Registration Certificate ("BRC") issued by the Department of Treasury, Division of Revenue prior to the award of a contract. (Refer to Section 4.4.2.1 of this RFP for further information.)

7.2 FINAL CONTRACT AWARD

Contract award shall be made with reasonable promptness by written notice to that responsible bidder(s), whose proposal, conforming to this RFP, is most advantageous to the State, price, and other factors considered. Any or all proposals may be rejected when the State Treasurer or the Director determines that it is in the public interest to do so.

The bidder must bid all twenty four (24) line items on the price sheets. Failure to do so will result in the rejection of its bid proposal. The quantities appearing on the price sheet are approximate and are offered for the uniform comparison of the bid proposals. The bidder must submit a unit price for each price line item, which will then be multiplied by the approximate quantity to obtain an extended amount. These extended amounts will then be totaled so that an overall price is obtained for that line item. Following that for the purpose of determining the awardee the Purchase Bureau will be using a consumption model which will be made available after the Notice of award is issued.

7.3 INSURANCE CERTIFICATES

The contractor shall provide the State with current certificates of insurance for all coverage's required by the terms of this contract, naming the State as an Additional Insured. Refer to Section 4.2 of the State of NJ Standard Terms and Conditions accompanying this RFP.

7.4 PERFORMANCE SECURITY

The successful contractor shall furnish performance security in the amount noted on the RFP signatory page. See N.J.A.C. 17:12-2.5. Acceptable forms of performance security are as follows:

1. The contractor shall be required to furnish an irrevocable security in the amount listed in the RFP payable to the Treasurer, State of New Jersey, binding the contractor to provide faithful performance of the contract.
2. The performance security shall be in the form of a properly executed individual or annual performance bond issued by an insurance or security company authorized to do business in the State of New Jersey, a certified or cashier's check to the order of the Treasurer, State of New Jersey, or an irrevocable letter of credit drawn naming the Treasurer, State of New Jersey as beneficiary issued by a federally insured financial institution.

The Performance Security must be submitted to the State within thirty (30) days of the effective date of the contract award and cover the period of the contract and any extensions thereof. Failure to submit performance security may result in cancellation of contract for cause pursuant to Section 5.7(b) (1) of the State of NJ Standard Terms and Conditions, and nonpayment for work performed.

Within thirty (30) days of the anniversary of the contract effective date, the contractor shall provide proof to the Director that the performance bond in the required amount is in effect. Failure to provide such proof may result in the suspension of payment to the contractor until such time as the contractor complies with this requirement.

Although the performance bond is required for the full term of the contract, the Director recognizes that the industry practice of sureties is to issue a one year performance bond for goods and services contracts. Thus, the contractor is required to submit a one year performance bond for the amount required under the contract and, on each succeeding anniversary date of the contract, provide a continuation or renewal certificate to evidence that the bond is in effect for the next year of the contract. This procedure will remain in place for each year of the contract thereafter until the termination of the contract. Failure to provide such proof on the anniversary date of the contract shall result in suspension of the contract, and possibly, termination of the contract.

For performance bonds based on a percentage of the total estimated contract price, the performance bond requirement is calculated as follows. For the first year of the contract, the performance bond percentage on the RFP signatory page is applied to the estimated total contract amount for the full term of the contract. On each anniversary of the effective date of the contract, the amount of the required performance bond, unless otherwise noted, is calculated by applying the established RFP performance bond percentage to the outstanding balance of the estimated amount of the contract price to be paid to the contractor.

In the event that the contract price is increased by amendment to the contract, the contractor may be required to provide, within thirty (30) days of the effective date of the amendment, performance bond coverage for the increase in contract price. The required increase in the performance bond amount is calculated by applying the established bond percentage set forth on the RFP signatory page to the increase in contract price. Failure to provide such proof to the Director of this required coverage may result in the suspension of payment to the contractor until such time the contractor complies with this requirement.

8.0 CONTRACT ADMINISTRATION

8.1 CONTRACT MANAGER

The State Contract Manager is the State employee responsible for the overall management and administration of the contract.

The State Contract Manager for this project will be identified at the time of execution of contract. At that time, the contractor will be provided with the State Contract Manager's name, department, division, agency, address, telephone number, fax phone number, and e-mail address.

8.1.1 STATE CONTRACT MANAGER RESPONSIBILITIES

For an agency contract where only one State office uses the contract, the State Contract Manager will be responsible for engaging the contractor, assuring that Purchase Orders are issued to the contractor, directing the contractor to perform the work of the contract, approving the deliverables and approving payment vouchers. The State Contract Manager is the person that the contractor will contact **after the contract is executed** for answers to any questions and concerns about any aspect of the contract. The State Contract Manager is responsible for coordinating the use of the Contract and resolving minor disputes between the contractor and any component part of the State Contract Manager's Department.

If the contract has multiple users, then the State Contract Manager shall be the central coordinator of the use of the contract for all Using Agencies, while other State employees engage and pay the contractor. All persons and agencies that use the contract must notify and coordinate the use of the contract with the State Contract Manager.

8.1.2 COORDINATION WITH THE STATE CONTRACT MANAGER

Any contract user that is unable to resolve disputes with a contractor shall refer those disputes to the State Contract Manager for resolution. Any questions related to performance of the work of the contract by contract users shall be directed to the State Contract Manager. The contractor may contact the State Contract Manager if the contractor cannot resolve a dispute with contract users.



DEPT OF TREASURY
PURCHASE BUREAU
STATE OF NEW JERSEY
33 WEST STATE ST 8TH FL
PO BOX 230
TRENTON NJ 08625-0230

Price Sheet

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Term Contract - Advertised Bid Proposal

Solicitation: 13-X-22357

Open Date: Thursday, April 26, 2012

T-Number: T2507

Bidder:

Line No	Commodity-Service Description	Quantity	Unit	UNIT PRICE	TOTAL AMT
00001	Commodity Code: 913-95-063405 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: ROAD MICROSURFACING TYPE II 18 TO 22 LB PER SQUARE YARD ESTIMATED QUANTITY: 2,000 TONS	1	TON		
00002	Commodity Code: 913-95-081556 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: ROAD MICROSURFACING TYPE II LONGITUDINAL JOINT FILLING ESTIMATED QUANTITY 250 TONS	1	TON		
00003	Commodity Code: 913-95-063406 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: ROAD MICROSURFACING TYPE III 20 TO 30 LB PER SQUARE YARD ESTIMATED QUANTITY: 500 TONS	1	TON		
00004	Commodity Code: 913-95-063407 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: ROAD MICROSURFACING TYPE III WHEEL RUTS ESTIMATED QUANTITY: 300 TONS	1	TON		
00005	Commodity Code: 913-95-081557 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: MICRO-SURFACING AGGREGATE EMULSION ESTIMATED QUANTITY 75000 GALLONS	1	GAL		
00006	Commodity Code: 913-95-063409 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION: TACK COAT ESTIMATED QUANTITY: 12000 GALLONS	1	GAL		
00007	Commodity Code: 913-95-081558 [CONSTRUCTION SERVICES, HEAVY...] ----- ITEM DESCRIPTION:	1	TON		



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Open Date: Thursday, April 26, 2012

T-Number: T2507

Bidder:

Line No	Commodity-Service Description	Quantity	Unit	UNIT PRICE	TOTAL AMT
	HOT MIX ASPHALT PATCH				
	ESTIMATED QUANTITY 100 TONS				
00008	Commodity Code: 913-95-081559 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: FULL DEPTH CONCRETE PAVEMENT REPAIR HOT MIX ASPHALT ESTIMATED QUANTITY 100 SQ. YDS.	1	SQ YD		
00009	Commodity Code: 913-95-063410 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: SEALING OF CRACKS AND JOINTS IN IN HOT MIX ASPHALT-SURFACE COURSE ESTIMATED QUANTITY- 5000 L.F.	1	LN FT		
00010	Commodity Code: 913-95-063411 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: SEALING OF EXISTING CRACKS AND JOINTS IN CONCRETE PAVEMENT ESTIMATED QUANTITY: 5000 L.F.	1	LN FT		
00011	Commodity Code: 913-95-063412 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: REMOVAL OF PAVEMENT REFLECTORS AND CASTINGS ESTIMATED QUANTITY: 1000 UNITS	1	EACH		
00012	Commodity Code: 913-95-063413 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TWO-WAY PLOWABLE BI-DIRECTIONAL AMBER PAVEMENT REFLECTORS AND CASTINGS. ESTIMATED QUANTITY: 500 UNITS	1	EACH		
00013	Commodity Code: 913-95-063414 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: JOINT REMOVAL - SQUARE YARD ESTIMATED QUANTITY: 100 S.Y.	1	SQ YD		
00014	Commodity Code: 913-95-063415 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION:	1	LN FT		



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Open Date: Thursday, April 26, 2012

T-Number: T2507

Bidder:

Line No	Commodity-Service Description	Quantity	Unit	UNIT PRICE	TOTAL AMT
	TRAFFIC STRIPES, LONG LIFE, EPOXY RESIN LINEAR FEET ESTIMATED QUANTITY: 100,000 L.F.				
00015	Commodity Code: 913-95-063416 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TEMPORARY TRAFFIC STRIPES - 4" ESTIMATED QUANTITY: 200,000 L.F.	1	LN FT		
00016	Commodity Code: 913-95-063417 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TRAFFIC CONTROL, STATE - DAY ESTIMATED QUANTITY: 15 DAYS	1	DAY		
00017	Commodity Code: 913-95-063418 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TRAFFIC CONTROL, STATE, NIGHT TIME ESTIMATED QUANTITY: 15 DAYS	1	DAY		
00018	Commodity Code: 913-95-063419 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: REMOVAL OF TRAFFIC STRIPES ESTIMATED QUANTITY: 100,000 L.F.	1	LN FT		
00019	Commodity Code: 913-95-063420 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TRAFFIC CONTROL, COUNTY & MUNICIPALITY ESTIMATED QUANTITY: 15 DAYS	1	DAY		
00020	Commodity Code: 913-95-063421 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TRAFFIC CONTROL, NIGHT TIME COUNTY & MUNICIPALITY ESTIMATED QUANTITY: 15 DAYS	1	DAY		
00021	Commodity Code: 913-95-082637 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: MONO-WHITE RPMS	1	UNIT		



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Term Contract - Advertised Bid Proposal

Solicitation: 13-X-22357

Open Date: Thursday, April 26, 2012

T-Number: T2507

Bidder:

Line No	Commodity-Service Description	Quantity	Unit	UNIT PRICE	TOTAL AMT
	ESTIMATED QUANTITY: 250 UNITS				
00022	Commodity Code: 913-95-082638 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: MONO AMBER RPMS ESTIMATED QUANTITY: 250 UNITS	1	UNIT		
00023	Commodity Code: 913-95-082639 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: TRAFFIC MARKINGS ESTIMATED QUANTITY: 1000 SQ. FT.	1	SQ FT		
00024	Commodity Code: 913-95-082640 [CONSTRUCTION SERVICES, HEAVY...] ITEM DESCRIPTION: RUMBLE STRIPS ESTIMATED QUANTITY: 20,000 LIN. FT.	1	LN FT		