

December 13, 2018

To: ALL CONSULTANTS

**Subject: REQUEST FOR EXPRESSIONS OF INTEREST
Multi-Project Solicitation**

**ORDER FOR PROFESSIONAL SERVICES NO. T3708
2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 3 Sign Structures
Milepost 98 to E118 and the Newark Bay Hudson County Extension**

And

**ORDER FOR PROFESSIONAL SERVICES NO. T3709
2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 4 Sign Structures and High Mast Light Poles
Milepost W106 to 122**

The New Jersey Turnpike Authority (Authority) invites Expressions of Interest (EOIs) for two (2) Simple projects from engineering Firms prequalified and eligible in any of the following Profile Codes:

Profile Codes	Description
D280R	Bridges, NBIS Program, Routine
D281	Sign Bridge Inspection

Attached (see Section I) is a list of all consultants currently prequalified and eligible to submit an EOI for the above referenced assignment. *Joint Ventures (*Firms interested in submitting an EOI as a Joint Venture must be prequalified as a Joint Venture with the Authority) that meet all of the Profile Code requirements are also eligible to submit an EOI.

To qualify as a prequalified consultant, a Firm **must** have on file with the Authority a current “Professional Service Prequalification Questionnaire” (PSPQ) package prior to submission of the EOI. A current PSPQ is one that has been on file with the Authority for no more than 24 months, or in certain cases for no more than 12 months. Only those Firms who have been prequalified for the specified profile code(s) this project entails will be considered. Prequalification is not required for subconsultants. Prequalification is required however for Joint Ventures.

The Authority shall be seeking participation of Small Business Enterprises (SBE) as subconsultants. The project goal is 25% SBE participation to New Jersey Businesses (see Section VII) of the Attachment to the Expression of Interest for the program provisions).

This multi-project solicitation is for professional services required to inspect and provide individual inspection reports for 188 sign structures located along the New Jersey Turnpike between milepost 98 to 118, the Easterly alignment and Newark-Bay Hudson County Extension (NB-HCE), otherwise known as Group 3 for Order of Professional Services (OPS) No. T3708, and 131 sign structures and 82 high mast light poles located along the New Jersey Turnpike between milepost 106 to 122, the Westerly alignment and the I-95 zone, otherwise known as Group 4 for OPS No. T3709.

It is the Authority's intent to engage the services of two Firms through this multi-project solicitation for EOIs. Professional Services are required from two eligible Firms, one for OPS No. T3708 and one for OPS No. T3709. The Consultant shall convey their understanding of both OPS', the Authority's needs, and shall express their approach to both projects.

Project Description

The assignment involves inspection of 188 sign structures in Group 3 or 131 sign structures and 82 high mast light poles in Group 4. The sign structures inspection work shall encompass inspections to sign structures, foundations, sign panels, and all connections. The high mast light pole inspection work shall encompass inspections to lighting pole, telescopic slip joint, access door and hand hole, anchor bolts, foundation, and lighting halo. The inspection and report format will follow the standard requirements for the New Jersey Turnpike Authority bridge inspection program and shall utilize proprietary software provided by Bentley (InspectTech) to develop the reports.

These OPS' require the preparation of draft and final inspection reports, data collection and input by using Bentley's software, and other related work defined in the Scope of Work. See Sections XVIII to XX for the lists and schedules of sign structures and high mast light poles to be inspected for each Group.

Project background materials (previous and sample reports) will be available for review electronically through the Authority's Secure File Sharing site. Access to the secure work space site will be provided to all prequalified and eligible Consultants via e-mail as part of the RFEI notification process. If there are any questions or issues related to the Secure File Sharing site, please contact King F. Lee, P.E. via e-mail at klee@njta.com. The subject line should read OPS Nos. T3708 and T3709, Secure File Sharing Site Information."

Staff Qualification

Key project personnel shall possess relevant training and experience demonstrating 1) successful completion of effective scheduling for National Bridge Inspection Standard (NBIS) inspection of large groups of routine bridges and/or sign structures and report submittals and 2) possess relevant training and experience demonstrating successful completion of sign structure and high mast light pole inspections and report submittals. Project Managers, Team Leaders, Assistant Team Leaders, and Quality Control Engineers must meet the requirements outlined in the document within "Qualifications of Key Bridge Inspection Personnel" on the Authority's website at <http://www.njta.com/doing-business/njta-bridge-inspect-program> under the heading "Bridge Inspection Program" and as summarized on the NJTA Bridge Inspection Qualification Summary Form QAF3 – Quality Assurance Audit: Technical Managers Qualifications Review Checklist (QAF3 Form). The QAF3 form will be included as a reference file on the Secure File Sharing Site. These factors will be critical elements in the selection process.

EI Submission Requirements

To be considered for these services, qualified Firms or prequalified Joint Ventures need to submit five (5) copies of their EOI, which must contain the following:

1. **Letter of Interest** not exceeding seven (7) single-sided, letter-sized pages with minimum 1-inch borders, minimum font (Arial) size of 10 pt., and 1.0 spacing, stating the Firm's interest, ability and its commitment to complete the requested professional services listed in this solicitation and in their EOI. Indicate clearly in the first paragraph which OPS the Firm prefers to be assigned and submit only one EOI for both OPS'.

The Letter of Interest shall summarize the following information.

a. Experience of the Firm on Similar Projects

Provide information on the Firm and its sub-consultants experience on similar projects.

The Firm shall provide information on past projects which they have performed that demonstrate similar service of those required for this assignment. Each project listed shall include a brief description of the project scope actually performed by the Firm and its relevance to the proposed assignment. It shall identify the Firm's office(s) the work was performed from, the date (time frame) the services were performed, magnitude and cost of the project, and contact/reference information for each project listed.

b. Experience of the Project Manager on Similar Projects

The Firm shall identify the Project Manager that will be assigned to the project and identify the individual's education, credentials and work experience. The Firm should discuss the proposed Project Manager's experience and its application to the assignment. The Firm shall review the criteria set forth by the Authority in the RFEOI in consideration of the person proposed for the assignment. If the Firm is proposing an individual with credentials considerably different than those identified by the Authority, the Firm must explain its rationale and identify/demonstrate the benefit the individual brings to the assignment.

The resume of the Project Manager proposed, included in the EOI, shall be clear, dated and detailed to the related assignment experience. References shall be furnished for each project listed (include date when work performed and relevance to subject assignment and at least one contact name and phone number for each project). Unless otherwise noted, the Project Manager shall be a licensed Professional Engineer.

c. Team Leaders and Key Personnel's Qualifications and Relevant Experience

The Firm shall identify the Team Leader and/or other key personnel that will be assigned to the project and their role and responsibilities specific to the assignment. Information concerning their education, credentials and work experience should be provided along with contact/reference information. The Firm shall discuss the individuals proposed for the assignment and identify how their education, credentials and work experience are applicable to their role on the assignment.

The resumes of key personnel proposed, included in the EOI, shall be clear, dated and detailed to the related assignment experience. References shall be furnished for each project listed (include at least one contact name and phone number for each project).

d. Understanding of the Project and the Authority's Needs, and Reasonableness of Staffing Estimate

Provide an explanation of the Firm's understanding of the project and Authority's needs required for the successful completion of the assignment. Provide a summary of the Firm's and its staff's qualifications, and state how they relate to the Firm's ability to provide the requested services. Through attached organizational chart and resumes identify the person(s), or subconsultant(s), responsible for each division of the assignment and their relevant experience.

Understanding of the Project

The Firm shall provide information to demonstrate that they fully understand the overall objective of the project and why the Authority is undertaking the assignment. This may include discussions providing background information on the need for the project, its effect on the Authority's facilities, and impact on the overall transportation network. Firms should demonstrate specific first-hand knowledge of the location affected by the project and the long-term effects the project has on the Authority, its patrons, or other relevant issues.

Understanding of the Authority's Needs

The Firm shall demonstrate that they fully understand the needs of the Authority as it relates to the specific scope-of-work identified in the RFEOI. The Firm must confirm the deliverables and the schedule for inspection

and reports associated with project specific deliverables. The Firm should also discuss project management items, including deliverables such as submittal of wage rate approvals and invoicing.

Reasonableness of Staffing Estimate

The Firm shall demonstrate through an attached estimate of work-hours the extent of work effort required to perform each primary task for the assignment as identified on the assignment staffing schedule issued with the RFEOI.

e. Approach to the Project

The Firm shall identify the major tasks comprising the project and describe in detail how they will be accomplished. Provide an explanation of the process the Firm will use to schedule, manage and perform the required tasks within the scope of services and identify the key milestones and projects critical path. The Firm shall identify key issues and potential problems and discuss alternatives and options which would lead to resolution. The Firm should discuss innovative concepts with cost benefits and/or accelerated project delivery, where applicable. The Subconsultant roles, value to the team/project, and reporting relationship shall be clearly identified.

f. Commitment and Ability to Perform the Project and Outstanding Work with the Authority

The Firm shall affirm their commitment and ability to complete the proposed work as well as any outstanding work they currently have with the Authority. The Firm shall provide an explanation of the anticipated project schedule and demonstrate that the Firm can commit the required staff resources and management to perform the assignment. A listing of the Firm's facilities, including the address of the office where the project will be performed, and how they relate to the Firm's ability to provide the requested services shall be provided.

Commitment and Ability to Perform the Project

The Firm shall discuss their commitment and availability of required staff for the assignment as shown on the completed "Commitments of Proposed Project Staff" and "Certification of Staff Availability" forms.

Outstanding Work with the Authority

The Firm shall discuss their outstanding work with the Authority as shown on the completed Disclosure Forms for the prime and all subconsultants. Information should be provided to demonstrate how this project may be impacted or affected by the existing work load of the consultant or its subconsultants. Outstanding Work shall be considered the sum of the Outstanding Work of the prime and subconsultants. No factors/weighting will be applied based on the percent of work assigned to the prime or subconsultants.

g. Commitment to Quality Management

An affirmation of the Firm's Commitment to Quality Management and Quality Assurance/Quality Control (QA/QC). The Firm shall provide a written narrative that describes the Firm's quality assurance policy and how it intends to implement a quality assurance program specifically for this assignment. The Firm shall identify credentialed QA/QC staff and the roles and working relationship with other staff members as part of the design process or construction phase.

h. Attainment of Small Business Enterprise (SBE) Participation Goals

The Authority has adopted a Small Business Enterprise Sub-Consultant's Program (the SBE Program). Under the SBE Program, Firms interested in submitting an Expression of Interest and Fee Proposal agree to make a good faith effort to award at least twenty-five (25) percent of the assignment to those businesses that meet the requirements and have been registered by the Division of Revenue & Enterprise Services/Department of the Treasury as a Small Business Enterprise.

Firms shall demonstrate how they will utilize SBE Firms in order to achieve the 25% goal and add value to the project team.

2. An **organizational chart** showing key project team members for all primary tasks, including subconsultants. Provide all team members' names, titles and reporting relationships. Only one organizational chart is required if the same team members are proposed for both OPS' and shall state so.
3. **Resumes for the Project Manager and each Key Project team member**, (a maximum total of five) detailing relevant experience and professional/technical qualifications. Include resumes of proposed subconsultants. Each resume should be one page single-sided with dates provided for each project.
4. A completed **NJTA Bridge Inspection Qualification Summary form** detailing certifications of proposed staff. Provide one complete form for each OPS. A copy of this form will be available via the Authority's Secure File Sharing Site.
5. A **detailed estimate of the work-hours** per task and by ASCE Grade/ Classification, along with an estimate of total hours, to provide the work described herein. The ASCE Grade/ Classification must include a Quality Assurance Officer. Provide one estimate sheet for each OPS.
6. A **Project Schedule** for this solicitation that addresses the various tasks defined by the scope of services for this assignment. The Project Schedule may be a maximum of one page for each OPS.
7. **Recent Authority Project Experience Form** identifying all Authority projects on which the consultant is currently working or have been completed (closed out) within the previous five (5) year period. A separate form shall be provided for the prime consultant and for each sub-consultant.
8. A completed **Affidavit of Eligibility/Disclosure of Material Litigation Form** for review by the Authority's legal counsel. Forms for each Firm, each member of a joint venture and all sub-consultants shall be submitted. Firm shall certify that it is not suspended, disbarred or disqualified from bidding on any state or federal projects. Furthermore, no litigation shall be pending or brought against the Firm that could materially affect its ability to perform the OPS described herein. Firm shall submit a description of all litigation pending, threatened or brought against it, including any litigation against its owners and/or principals; and shall also submit a description of any enforcement actions or penalties pending or assessed by any regulatory agency having jurisdiction over permit compliance, worker health and safety, or labor laws, as these issues relate to performance of the OPS described herein.
9. A completed **Disclosure Form – Outstanding Work with the Authority** stating all outstanding work with the Authority for both New Jersey Turnpike and Garden State Parkway projects. Forms for each Firm, each member of a joint venture and all sub-consultants shall be submitted. State "none" on the form if Firm, joint venture or sub-consultant has no outstanding work with the Authority. **It is specifically noted that the Authority's Disclosure Form shall be submitted with the EOI. Consultants may separate types of work by category (i.e.: Design Services, Construction Services, Environmental Services, etc.) however, the "Total" amounts stated at the bottom of the page shall be the combined total amounts of all outstanding work with the Authority as identified on the form.**
10. A completed **Commitments of Proposed Project Staff Form** stating the percentage of time each member has available to commit to this assignment, including subconsultant staff.
11. A completed **Certification of Staff Availability Form** the Firm shall certify that the staff proposed in the EOI shall be used in the performance of the project. When proposing the same staffing in multiple EOIs, disclose one of the following:
 - A. A statement that all projects utilizing same staff will be completed on time and how this will be done, or
 - B. A statement that the Firm voluntarily withdraws one of the EOIs from further consideration if the Authority is giving serious consideration to more than one EOI.

This form shall be submitted by the prime consultant and each subconsultant.

12. A completed **SBE Form – Proposed Schedule of Small Business Enterprise Participation** form. Stating the Firm's intention to use SBE Certified Firms as sub-consultants.
13. A completed **Disclosure of Investment Activities in Iran Form**.
14. A completed **Vendor Source Disclosure Form**.
15. A completed **Ownership Disclosure Form**, pursuant to N.J.S.A. 52:25-24.2.

EOIs that are incomplete may not be considered.

The required forms referenced in Items 7 through 15 above can be found on the Authority's website: www.njta.com under *Doing Business, Supplemental Forms*

The NJTA has promulgated a Code of Ethical Standards pursuant to the laws of the State of New Jersey, a copy of which is available on the Authority's website <https://www.state.nj.us/ethics/docs/ethics/uniformcode.pdf>. By submitting an EOI, your Firm will be subject to the intent and purpose of said Code and to the requirements of the State Ethics Commission.

EOIs are limited to a total of twelve (12), single-sided, letter size pages, comprised of the following: **Letter of Interest**, not exceed seven (7) pages, **Resumes**, a maximum of five (5), each of which shall be one (1) page. Pages in excess of these requirements will not be considered. This information shall be presented in an organized fashion and shall be categorized in accordance with the preceding submission requirements. Foldout sheets are not permitted.

A brief transmittal letter along with the following forms and/or documents (listed below in the order in which they appear in this RFEOI), are **excluded** from the above referenced page count:

- Organization Chart
- Detailed Estimate of Man/Work Hours
- NJTA Bridge Inspection Qualification Summary Form
- Project Schedule
- Recent Authority Project Experience Form
- Affidavit of Eligibility/Disclosure of Material Litigation Form
- Disclosure Form - Outstanding Work with the Authority
- Commitments of Proposed Project Staff Form
- Certification of Staff Availability Form
- SBE Form
- Disclosure of Investment Activities in Iran Form
- Vendor Source Disclosure Form
- Ownership Disclosure Form

Anything in excess of the page limitations for each of the EOI criteria above will not be read or considered. If the EOI submitted is not in accordance with the specific provisions defined above, it shall be considered incomplete and may be rejected.

Expressions of Interest must be submitted no later than **12:00 PM on Monday, January 7, 2019**. Consultants will be fully responsible for the delivery of their EOIs. Reliance upon U.S. Mail or other carriers is at the Consultant's risk. Late EOIs will not be considered. EOIs hand delivered or delivered by an overnight delivery service shall be addressed to:

New Jersey Turnpike Authority
1 Turnpike Plaza
Woodbridge, NJ 07095
Attn: Engineering Department, Structures Design
King F. Lee, P.E., Project Engineer

Expressions of Interest transmitted via U.S. Mail should be addressed to:

New Jersey Turnpike Authority
PO Box 5042
Woodbridge, NJ 07095-5042
Attn: Engineering Department, Structures Design
King F. Lee, P.E., Project Engineer

Inquiries

Inquiries pertaining to this RFEOI are to be directed in writing to King F. Lee, P.E., Project Engineer, Structures Design, New Jersey Turnpike Authority, PO Box 5042, Woodbridge, New Jersey 07095-5042. E-mail inquiries to klee@njta.com are acceptable. **The deadline for inquiries is December 19, 2018.** The Authority will respond to all written inquiries received. Each inquiry will be stated and a written response provided. Responses will be posted on the Authority's website under ***Doing Business, Current Solicitations*** on or before **December 21, 2018**. Consultants will be responsible for submitting their EOIs in accordance with the RFEOI and any modifications, revisions and/or clarifications thereto as a result of the posted responses. Late inquiries may not be reviewed or considered.

Consultant Selection

A consultant selection will be made from the EOIs that are received on time and are deemed complete. A Review Committee will evaluate the technical qualifications and experience of each Firm and its project team, and will rank the Firms. The evaluation and ranking of the EOIs will serve as a method by which to create a short list of Firms most highly qualified to perform the project, who will receive requests for Fee Proposals. OPS Nos. T3708 and T3709 will be awarded to two (2) of the top technically ranked Firms with assignment preference going to the highest technically ranked Firm.

The EOIs will be evaluated and ranked on the basis of numerical scores resulting from pre-established weighted factors. For this project, the rating factors and their relative weights are:

RATING FACTORS	WEIGHT (%)	POINTS
Experience of the Firm on Similar Projects	15	45
Experience of the Project Manager on Similar Projects	10	30
Team Leaders and Key Personnel's Qualifications and Relevant Experience	15	45
Understanding the Project and the Authority's Needs, and Reasonableness of Staffing Estimate	15	45
Approach to the Project	15	45
Commitment and Ability to Perform the Project and Outstanding Work with the Authority	10	30
Commitment to Quality Management	15	45
Attainment of SBE Participation Goals	5	15
	100%	300

Following the review of the submitted EOIs, the Authority will request Fee Proposals from Firms it deems the most qualified and will commence negotiations with such technically qualified Firms in the order ranked. All respondents will be notified at the completion of the review process regarding their status.

All submittals required pursuant to P.L. 2005, Chapters 51 and 271 Executive Order 117 (2008) will be requested from the intended Awardee(s) only. This will include the combined CH. 51/Executive Order 117 Two-Year Certification and Disclosure of Political Contributions form (CH 51.1 R1/21/2009), and the P.L. 2005 c. 271 Vendor Certification and Political Contribution Disclosure Form (Rev: 02/07/2006 DPP c271 C&D) completed by each business entity all of which will be transmitted to the intended Awardee(s) by the Authority via mail or fax and are to be returned to the Authority within five (5) business days.

Order for Professional Services

Final OPS Documents shall consist of the Authority's Order for Professional Services Agreement (which is available on the Authority's website (http://www.njta.com/media/2928/ps_agreement_4_v5-17-2017.pdf), the RFEOI, the EOI as well as the selected Firms submitted Final Negotiated Fee Proposal. These documents are listed in the order of priority in the event of a conflict.

Effective April 29, 2014 Consultants shall be required, at their own expense, to provide ALL insurance coverages as more fully set forth in the applicable OPS Agreement. (See OPS Agreement #4)

Business Registration **N.J.S.A. 52:32-44**

The OPS will not be entered into by the Authority unless the Firm first provides proof of valid business registration in compliance with N.J.S.A. 52:32-44. Pursuant to this law the Firm is further notified that no subcontract shall be entered into by prime consultant unless the subconsultant first provides proof of valid business registration.

Attached please find additional information regarding EOI and project requirements.

Very truly yours,

ORIGINAL SIGNED BY

Robert J. Fischer, P.E.
Chief Engineer

RJF:KFL:ms

Attachments

c: J. L. Williams
K. F. Lee
Review Committee
File

Supplemental Information

Regarding EOI and Project

Requirements

Dated December 13, 2018

for

Order for Professional Services No. T3708

**2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 3 Sign Structures
Milepost 98 to E118 and the Newark Bay Hudson County Extension**

And

Order for Professional Services No. T3709

**2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 4 Sign Structures and High Mast Light Poles
Milepost W106 to 122**

This attachment is incorporated into and made a part of the RFEOI.

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SECTION I
Prequalified and Eligible Consultants
Profile Code D280R

Arora and Associates, P.C.
ATANE Engineers, Architects and Land Surveyors, P.C.
Atkins North America, Inc.
Buchart-Horn, Inc.
CDM Smith Inc.
CHA Consulting, Inc.
Cherry, Weber & Associates, P.C.
Churchill Consulting Engineers, PC
CME Associates
Dewberry Engineers Inc.
Gannett Fleming, Inc.
Hardesty & Hanover, LLC
IH Engineers, P.C.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Louis Berger U.S., Inc.
LS Engineering Associates Corporation
M&J Engineering, P.C.
McCormick Taylor, Inc.
McLaren Engineering Group
Michael Baker International, Inc.
Mott MacDonald LLC
MP Engineers, P.C.
NAIK Consulting Group, P.C.
Pennonni Associates, Inc.
Pickering, Corts & Summerson, Inc.
PKB Engineering Corporation
SJH Engineering, P.C.
Stantec Consulting Services, Inc.
STV Incorporated
T&M Associates
T.Y. Lin International
Traffic Planning and Design, Inc.
TranSystems Corporation
W.J. Castle P.E. and Associates P.C.
WSP USA Inc.

SECTION I
Prequalified and Eligible Consultants
Profile Code D281

Arora and Associates, P.C.
ATANE Engineers, Architects and Land Surveyors, P.C.
Cherry, Weber & Associates, P.C.
Churchill Consulting Engineers, PC
CME Associates
Hardesty & Hanover, LLC
IH Engineers, P.C.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Louis Berger U.S., Inc.
LS Engineering Associates Corporation
M&J Engineering, P.C.
MP Engineers, P.C.
NAIK Consulting Group, P.C.
Pennonni Associates, Inc.
Pickering, Corts & Summerson, Inc.
PKB Engineering Corporation
SJH Engineering, P.C.
Stantec Consulting Services, Inc.
T.Y. Lin International
TranSystems Corporation

SECTION II

Administrative and Agreement Information

Professional Corporation

Incorporated Firms that have not filed a copy of a Certificate of Authorization, as required by N.J.S.A. 45:8-56, with the Authority must include a copy of the Certificate with the EOI. Professional service corporations established pursuant to the “Professional Service Corporation Act,” P.L. 1969, c. 232 (N.J.S.A. 14A:17-1 et seq.), are exempt from this requirement.

Signatures

Expressions of Interest must be signed by an officer of the Firm authorized to make a binding commitment.

Incurring Costs

The Authority shall not be liable for any costs incurred by any consultant in the preparation of their EOI.

Addendum to EOI Solicitations

If, at any time prior to receiving EOIs, it becomes necessary to revise any part of this EOI solicitation, or if additional information is necessary to enable a Firm to make an adequate interpretation of the provisions of this EOI solicitation, an addendum to the EOI solicitation will be made available on the Authority’s web-site as described herein.

Acceptance and Rejection of EOIs and Proposals

The Authority may award an OPS for these services to a Firm that the Authority determines best satisfies the needs of the Authority. The solicitation for an EOI or Technical Proposal does not, in any manner or form, commit the Authority to award any OPS. The contents of the EOIs may become a contractual obligation, if, in fact, the EOI or Technical Proposal is accepted and an OPS is entered into with the Authority. Failure of a Firm to adhere to and/or honor any or all of the obligations of its EOI or Technical Proposal may result in cancellation of any OPS awarded by the Authority. The Authority shall not be obligated at any time to award an OPS to any consultant. The Authority reserves the right to reject any and all proposals or to negotiate with any proposer in accordance with applicable law.

Dissemination of Information

Information included in this document or in any way associated with this project is intended for use only by the Firm and the Authority, and is to remain the property of the Authority. Under no circumstances shall any of said information be published, copied or used by the Consultant, except in replying to this EOI solicitation.

News Releases

No news releases pertaining to this RFEEOI or the Project to which it relates shall be made without Authority approval and then only in coordination with the issuing office and the Authority’s Media Relations Coordinator.

Public Records

Any EOI, Technical Proposal or Fee Proposal submitted by a Firm constitutes a public document that will be made available to the public upon request pursuant to New Jersey’s Open Public Records Act, N.J.S.A. 47:1A-1 et seq. The Firms may request the Authority’s General Counsel to deem certain sections of its EOI or Technical Proposal containing personal, financial or proprietary information non-disclosable, which determination shall be in accordance with such Act.

Section III
OPS Procurement and Project Schedule

Posted	December 13, 2018
Deadline for Inquiries	December 19, 2018
Posted Responses to Inquiries	December 21, 2018
Submittal of Expressions of Interest	January 7, 2019
Recommendation to Award OPS	March 26, 2019
Notice to Proceed	April, 2019

Group 3

Estimated Start of Scheduled Sign Inspections	June, 2019
End of Scheduled Sign Inspections	December 31, 2019
Submission of Draft Individual Reports	See Scope of Work
Submission Deadline for Final Inspection Reports	March 31, 2020
End of Potential Unanticipated Work	April 30, 2020
Project Completion	April 30, 2020

Group 4

Estimated Start of Scheduled Sign and High Mast Light Pole Inspections	June, 2019
End of Scheduled Sign and High Mast Light Pole Inspections	December 31, 2019
Submission of Draft Individual Reports	See Scope of Work
Submission Deadline for Final Inspection Reports	March 31, 2020
End of Potential Unanticipated Work	April 30, 2020
Project Completion.....	April 30, 2020

SECTION IV

Scope of Services

I. GENERAL

1. The Consultant shall be responsible for the thorough understanding of the project requirements including the applicable codes and regulations governing the inspection. The Consultant shall become familiar with the New Jersey Turnpike Authority's (NJTA) procedures, presentation and coordinating requirements for the effective performance of the project.
2. It will be the Consultant's responsibility to bring to the attention of the Authority, in the Request for Expression of Interest, or during preparation of the Expression of Interest, any errors, omissions or non-compliance discovered in this "Scope of Services" section. By neglecting to do so, the Consultant will be responsible to make any resulting scope of services changes without additional compensation.

II. PROJECT COORDINATION

A. NJTA Coordination:

1. The Consultant shall coordinate its activities with NJTA personnel throughout the course of this Order for Professional Services (OPS). Early on, the Consultant will establish a means of coordinating and reporting its activities with the designated project liaison to ensure an expeditious exchange of information. The NJTA shall be informed of all meetings with other agencies, government officials and/or groups so that NJTA personnel can attend if necessary.
2. Attend a pre-inspection coordination meeting with Operations and State Police prior to start of field work for each consultant to go over the Project Specific Work Plan and schedules.
3. All correspondence, invoices and transmittals for the project shall be referenced by the NJTA's Order for Professional Services Number.
4. The Consultant will be required to submit two (2) different monthly schedules/reports as follows:
 - Invoice Progress Report - The Consultant will be responsible to prepare and submit a separate monthly progress report and progress schedule indicating percent complete by task, corresponding to the Invoices. Invoices shall be submitted and received by the Authority's Engineering Department within 15 calendar days of the end of each billing period. Standard reporting forms in MS Excel will be provided by the Authority at the project's kick-off meeting.
 - Submission Schedule – The Consultant shall submit a sign structure and high mast light pole inspection submission schedule which includes but may not be limited to the following fields: Inspection Date, Firm / Team Leader, Draft Report Submission, Final Report Submission, and Comments. The Bridge Inspection Program Technical Manager will provide a template in Excel at the kick off meeting. The initial schedule shall be submitted within 30 days of receipt of the template. Monthly updates are required to be submitted by the 7th of each month.
5. The Consultant shall notify the Authority's Liaison Engineer immediately, if and when the percent fee expended exceeds the project percent complete. The Consultant shall implement at once the necessary adjustments and/or make recommendations on how to alleviate this condition. Failure to do so will put the Consultant at risk of having to absorb any costs above and beyond the authorized fee.
6. Invoices are required to be submitted on a monthly basis.
7. The Consultant shall submit the names of the personnel in the inspection teams, along with their resumes and NHI training certificates, for approval by the Authority. The Consultant shall complete the QAF3 forms. The Authority's Liaison Engineer shall have the right to approve the number,

qualifications and performance of the Consultant's personnel and to have the Consultant remove any such personnel from the project who are not approved or licensed/certified as required, or who fail to perform satisfactorily. The Consultant shall not remove approved personnel assigned to the project without the written approval from the Authority. Certificates shall be in PDF format with the following naming convention: "Firm Last First # year" ("ABC Smith Jane 130092 2012.pdf"). For acceptable Non-NHI courses such as the PennDOT thirteen (13) day bridge inspection course, use "Firm Last First #Equiv year" ("Bridge Associates Johnson Edward 130055Equiv 1999.pdf"). All files shall be submitted in one general folder or directory, not broken up into folders/subfolders. Certificates and completed QAF forms shall be submitted at the kick off meeting.

The team leader for sign structure and/or high mast light pole inspections shall have taken the NHI Inspection and Maintenance of Ancillary Highway Structures course (FHWA-NHI-130087) within the last 5 years.

B. Quality Management and Coordination with Bridge Inspection Program Technical Manager Consultant:

Immediately following Notice to Proceed, the Consultant shall submit a Project-Specific Quality Control/Quality Assurance (QA/QC) Plan for Authority's approval which clearly explains how its firm-wide Quality Management Program translates into the quality process for this assignment. The QA/QC Plan shall identify credentialed QA/QC personnel and their roles, and explicitly outline measures to be followed throughout the duration of the assignment, including the management of subconsultants and their work. The Consultant is entirely responsible for the quality of submittals in this inspection assignment, and will be monitored by the Authority on a continued basis for adherence to the approved QA/QC Plan. Should it be determined that incomplete or erroneous reports are being submitted, then the Consultant will be required to convene a meeting with the Authority to review the deficiencies and propose an action plan to bring the reports to established standards.

It is noted that general overview of the 2019 NJTA Bridge Inspection Program for TPK – Group 3 (sign structure inspection) and TPK – Group 4 (sign structure and high mast light pole inspections) will be performed by the Authority's Bridge Inspection Program Technical Manager Consultant (Technical Manager) to ensure accuracy, consistency and completeness in inspection data collection and entry, inspection report format and content. The Technical Manager will be responsible for unscheduled field audits for compliance of inspection personnel and procedures, review of select draft inspection reports and limited audits of Bentley (InspectTech) data entry. A kickoff meeting will be scheduled with the Consultant, the Authority's Liaison Engineer and the Technical Manager to discuss inspection procedures, personnel, report format, inspection forms, schedule and submittals.

C. Other Agency/Entity Coordination

The Consultant will be required to contact and/or meet with representatives of state and/or other agencies/entities (e.g., New Jersey Department of Transportation, Federal Aviation Administration, Port Authority of New York & New Jersey, etc.), to review and determine all necessary project requirements and permits. It is noted that other agencies/entities may have security requirements such as obtaining of TWIC (Transportation Worker Identification Credentials) cards or supervision of inspection work by a security firm. The Consultant shall notify the Authority immediately if it is revealed during initial contact that the railroad ownership has changed. The Authority's Liaison Engineer will establish correct channel of communication with the new railroad company for the Consultant in this case. Various regional agencies will be affected by this project and should be kept informed as to the status of this project.

III. REGULATIONS AND GUIDELINES TO BE FOLLOWED, BUT NOT LIMITED TO:

A. **New Jersey Turnpike Authority (NJTA)**

NJTA Standard Specifications 2016
Design Manual
Standard Drawings
Structural Repair Programs
Critical Finding Repair Procedures
Authority Deficiency Category Definitions
Bridge Inspection Security Measures
InspectTech Connect Edition Online Help System
Manual for Traffic Control in Work Zones
NJTA Structure Inspection Quality Management Plan, Version 1.0, May 2018

B. Structure Nomenclature/Inspection Methodology

Federal Highway Administration (FHWA)

Bridge Inspectors Reference Manual, December 2006
Guidelines for the Installation, Inspection, Maintenance and Repair of Structural Supports for Highway Signs, Luminaries and Traffic Signals, March 2005
Inspection of Fracture Critical Bridge Members, 1986, FHWA-IP-86-26
National Bridge Inspection Standards, 23 CFR Part 650, January 2005

American Association of State Highway/Transportation Officials (AASHTO)

Manual for Bridge Evaluation, 2nd Edition with 2016 Interims
Manual for Bridge Element Inspection
Roadside Design Guide, 1996

Occupational Safety and Health Administration (OSHA)

Commercial Diving Operations Standards, 29CFR Part 1910 Subpart T

C. Concrete Deficiencies

American Concrete Institute (ACI)

Guide for Conducting a Visual Inspection of Concrete in Service, 2008, ACI 201.1R-08

D. Steelwork/Paint Deficiencies

Steel Structures Painting Council (SSPC)

IV. GENERAL REQUIREMENTS AND CONDITIONS

- A. The Consultant shall defend, indemnify, and hold harmless the Authority, its Commissioners, Directors, officers, employees and agents from liability of any nature or kind arising out of any act or omission of the Consultant or any person, Firm or corporation employed by the Consultant in connection with the work.
- B. The Consultant shall not assign this OPS, sublet, or transfer any part of the work or obligations hereunder, without the prior written approval of the Authority.
- C. The Consultant shall comply with all Federal and State laws applicable for the work to be performed under this OPS.
- D. The Consultant shall obtain a traffic permit prior to performing any work on the Authority's Right of Way.

- E. The Consultant shall provide traffic control in accordance with the current edition of the New Jersey Turnpike Authority Manual for Traffic Control in Work Zones, for sign structures and high mast light poles inspection work along the New Jersey Turnpike and Garden State Parkway. The Consultant shall also provide traffic control on local and state roads in accordance with the governing agency's requirements. **The Consultant shall not rely exclusively on State Police-assisted slowdowns, and instead shall assume that availability for slowdowns will be limited. Under the Approach to the Project Section of the Expression of Interest, the Consultant shall include an estimate for the duration and quantity of shoulder and lane closings for these OPS'.** No shoulder or lane closings on the New Jersey Turnpike will be approved until the Consultant, its subconsultants, and its subcontractors view the Authority's Traffic Safety Training video on lane closing procedures. Reimbursement for furnishing traffic control devices and shoulder/lane closings will be made as a direct expense.

A Traffic Control Coordinator (TCC) shall be required where lane and half ramp closings are to be installed by the consultant or vendor as part of sign structure and high mast light pole inspection projects. A TCC will not be required for shoulder closings installed by the consultant or vendor. Refer to Standard Specifications 801.03 for TCC requirements and certification which shall apply to design and sign structure and high mast light pole inspection assignments involving lane and half ramp closings.

The TCC shall be required to attend traffic control meetings for use of contractor installed lane / roadway closures to facilitate hands-on inspection where necessary.

- F. Lane closings and daily shoulder closings necessary for the inspection work shall be provided and maintained by the Consultant, and shall conform to applicable Standard Drawings. Lane and shoulder closings may not be possible at all times due to conflicts with ongoing higher priority construction or maintenance work in certain areas. The Consultant shall utilize all available Maintenance and Contractor installed closings, where possible. This will require close coordination and contact with the Authority's Operations Department. Lane and shoulder closing requests, as well as slowdown requests, shall be submitted via the web based application to the Authority (instructions will be provided to the consultants at the kick-off meeting) one week in advance of the desired closings (by Monday, 12:00 PM), and shall conform to the Authority's Lane and Shoulder Closure Tables in the Manual for Traffic Control in Work Zones.
- G. Short duration shoulder closings necessary for the inspection work shall be provided and maintained by the Consultant. **Short duration shoulder closings shall be installed for a maximum duration of 60 minutes within a two-hour window, and are restricted to inspection of cantilever / butterfly signs with an articulating bucket truck requiring a TMA.** Short duration shoulder closings shall conform to Standard Drawing No. TP-7. Full shoulder closures are required when the inspection duration is greater than 60 minutes at one location.
- H. All inspection work shall be performed behind guide rail or other existing roadside barriers, where feasible. **Where work must be conducted in a closed lane or shoulder, a truck mounted attenuator (TMA) shall be provided and placed preceding the work area in accordance with the current AASHTO Roadside Design Guide. For moving inspection operations which do not require the setup of equipment (ladders, snoopers, etc.), TMAs will also be required.** The truck shall be in excellent operating condition and have a minimum gross weight of 10 tons. The truck mounted attenuator shall be the Alpha100K as manufactured by Energy Absorption System, Inc., and distributed by Transpo Industries, Inc., or an approved NCHRP 350, Test Level 3 compliant equal. The truck shall also be equipped with two large conspicuous overhead flashing lights. If supplied with an arrow board, only the "CAUTION" bar shall be illuminated. The top of the arrow board must be 13 feet 6 inches from the ground for either standalone arrow boards or TMA attached arrow boards. TMAs shall be provided by the Consultant. A separate line item shall be provided in the Fee Proposal for the cost associated with furnishing the TMAs for the project and for fueling of the TMAs. For moving inspection operations, the TMA must be fitted with a "Shoulder Closed" sign that will not be obstructed or obstruct any oscillating lights or the arrow board panel. The Consultant will be required to provide a letter from the proposed rental company, which states that the TMAs supplied meet or exceed

NCHRP 350, Test Level 3 compliance. In addition, the Consultant will be required to take photos of the TMA, specifically for review of the placement of the TMA mounted “Shoulder Closed” sign.

- I. The Consultant shall furnish specialized equipment as needed to perform sign structure and high mast light pole inspections. Reimbursement for special inspection equipment will be made as a direct expense.
- J. Reimbursement for any additional cost incurred by the Consultant due to circumstances beyond the control of the Consultant, such as down time for bad weather, shall be approved by the Authority’s Liaison Engineer. The Authority’s Liaison Engineer will have sole discretion in determining if circumstances, and therefore compensation for additional work and expenses, are beyond the control of the Consultant.
- K. The Consultant shall retain legal responsibility for all inspection work, which shall in general follow the latest standards including all the applicable codes and regulations governing the inspection and practices of the Authority.
- L. Unanticipated Work

The Consultant shall provide in the EOI and Fee Proposal an additional 750 hours for each OPS for unforeseen emergency inspection, repair design services and/or extra work as directed by the Authority (Unanticipated Hours). In addition, \$20,000.00 in direct expenses for each OPS for this task (Unanticipated Direct Expense) shall be included as a separate line item in the Fee Proposal.

The Authority’s Liaison Engineer may require additional information with regard to a reported deficiency by the Consultant, the Authority’s Maintenance Department and/or another party. The required information may consist of a survey or sketch with photographs and recommendations for corrective action. Depending on the deficiency, the Consultant may be required to provide design services. The design services may consist of preparing calculations, providing details and specifications, and developing cost estimates.

Explicit written authorization must be received from the Authority’s Liaison Engineer in order to charge time to this task, prior to commencement of the work. The Consultant will be requested to provide an estimate of hours and cost, in writing, related to each special assignment under consideration for prior approval.

- M. All team leaders shall notify the Authority and Technical Manager of their location via email on a daily basis. Email template shall be provided to each consultant and subconsultant at the kick off meeting.

V. SPECIFIC PROJECT SERVICES

1. Sign Structure Inspection Scope

- A. This inspection covers 188 sign structures in Group 3 (see Section XVIII) or 131 sign structures in Group 4 (see Section XIX).

Starting in 2019, the Authority’s sign structure inspections are inspected on a four year cycle with the exception of bridge mounted sign structures, which are also inspected as part of the routine bridge inspection.

The consultant is advised that several guide sign improvement projects have been recently completed, are underway, or under design which are changing the existing sign populations. The Consultant is expected to field verify the locations and characteristics of the signs and to notify the Authority and the Technical Manager of discrepancies from the attached sign structure lists (see Section XVIII or Section XIX).

For truss style overhead span sign structures, the inspection involves close-up visual inspection of all welds, hardware connections and appurtenances. Special attention is directed to truss chord splices (aka Flanges), chord splice bolts and end frame connections. The condition of the truss

chord splice is vital inspection data to track any structure condition changes, and the need for interim inspections. **The Consultant shall assign a proper Category for the chord splice to each truss sign structure based on the inspection findings.** Chord splice Categories are as follows:

Category A	Stiffened chord splice with No existing cracks
Category B	Chord splice with existing cracks but structure post tensioned
Category C-1	Unstiffened chord splice with existing cracks
Category C-2	Stiffened chord splice with existing substantial cracks
Category C-3	Unstiffened chord splice with No existing cracks
Category D	Weathering steel
Category G	Galvanized steel

The Consultant shall verify and input the category of each sign structure based on the inspection findings.

Lane/shoulder or half width ramp closings may be required to access truss end frames. If feasible, the inspection of overhead truss sign structures may be performed with fully tethered climbing. This will require skilled personnel and the use of a safety harness with two lanyards (100% fall protection). **All inspection crews are to include a third inspector/ATL (spotter) to remain on the ground for assistance should anything occur when climbing overhead sign trusses.** Equipment carried should be minimal and must be properly secured to the inspector. Inspection of overhead sign structures over live traffic may not be permitted during peak traffic hours. The use of bucket truck access will still be required at each end frame. The Consultant shall indicate the method of inspection for each truss sign structure in its EOI. The Consultant will be required to submit a detailed procedure for sign structure inspection for the Authority's review prior to the commencement of the work.

For double plane A frame Vierendeel truss sign bridges, the inspection shall include use of the fully contained maintenance inspection walkway, utilizing the 8' step ladder (stored flat on the walkway) at all cross beam locations to assist in the inspection of the chords. When chord splices are present, a small handheld telescopic stick mirror should be utilized from and through the maintenance walkway. Coordination with Operations will be needed for a State Police assisted slow-down in order to perform a hands-on inspection for any areas of concern. In addition, an eight point binocular inspection at the nearest end frame will be performed at high and low vantage points (+/- 25') at the front and back side for the inspection of the outside upper / lower chord of the box truss, and all its attachments.

It is the intent of these OPS' to minimize or eliminate the hands-on inspection of overhead Vierendeel trusses using extensive/difficult lane or roadway closures, trooper assisted slowdowns/stoppages, and night work. If during the eight point binocular scans of the structure, a defect or anomaly is observed that requires hands-on inspection, then arrangements will be made as an Unanticipated Task, to use a closing (day or night) with the Authority's approval, for further close-up investigation.

For the inspection of certain Vierendeel sign bridges for left side (or right) end frames, left lane (or right) shoulder or half ramp closings may be required to complete hands-on and binocular portions of the inspections. Coordination with bridge structure inspections and construction activities requiring left side closings shall be accomplished where possible to minimize overall MPT requirements. These closings may still be night work requiring adequate lighting/spot lighting (binocular work). At some locations, left side vantage point for daytime binocular coverage, may be possible from the opposite direction roadway shoulder, however hands-on inspection of the end frame is still required.

For the inspection of cantilever or butterfly sign structures, the inspection involves bucket truck access at the structure mast from lawn or closed shoulder using the center mounted articulating bucket truck. Straight-arm bucket truck vans will not be permitted for this task. It is the intent of these OPS' to minimize required MPT measures for the large number of cantilever sign structures. Therefore, a center mounted articulating boom truck is required, with any required access to the cantilever end, done by the second arm staying within the sign profile and clear of traffic.

An important task for the inspection of cantilever signs with drilled shaft (caisson) is the documentation/measurement of the mast plumbness and arm levelness. The Consultant shall measure (if any) deflections using a six (6) foot long carpenter level and feeler gages to ascertain any mast lean or arm sag measured over a 6 ft. length, and recorded in the inspection report in decimal inches per foot.

B. Development of an Individual Inspection Report using Bentley (InspectTech) Software

1. The Consultant shall provide a list of users that will require access to Bentley (InspectTech) software to the Authority at the kick off meeting. This includes all users that require email notifications regarding procedures and clarifications. All users are required to submit all questions and issues related to InspectTech via email to NJTABridgesHelp@njta.com. All latest directives and clarifications are available via <http://www.njta.com/doing-business/njta-bridge-inspect-program> under InspectTech Notes.

The Consultant will be responsible for becoming proficient with InspectTech, including updates. NJTA will provide training and assistance to all bridge inspection consultants as needed.

C. Sign Structure Inspection Reports

1. Report Format

The Consultant shall submit a draft report for each sign structure to the Technical Manager. An initial group of five (5) format reports will be pre-selected for review based on the Consultant's submitted inspection schedule and shall cover all different types of signs in each Group. In addition to the format reports, 25% of the draft reports from each Group (46 sign structures for Group 3 and 33 sign structures for Group 4) will be reviewed by the Technical Manager. The comments from the reviewed draft reports shall be incorporated to all reports as applicable, including the remaining 75% not reviewed.

Starting in 2019, the Authority will be using a new sign inspection report format. A sample report and sample input forms have been posted to the Authority's Secure File sharing site along with other project reference and materials. The individual inspection reports for each structure are generated in the Bentley (InspectTech) system from standard input forms. The Consultant shall

utilize the Bentley (InspectTech) system to generate individual sign structure inspection reports including photographs (identification photos and defect photos). The majority of the document pages shall be generated in InspectTech through new forms and report sections. Other pages shall be generated outside the program and inserted as additional sections.

Category A reports for Type A1, A2, A3, and Guide Rail shall be included.

a) Report Sections

The report shall have the following sections. All are generated in IT unless otherwise noted*:

- Cover
- Table of Contents
- Contract History
- General and Inspection Information
- Conclusions
- Foundations and Protective Features
- Structures Elements
- Sign Panels, Connections, and Inspection Access
- Electrical Equipment and Housekeeping
- Chord Splice Sheet
- Sign Foundation Sketch*
- Photographs
- Critical Findings
- Clearance

Field notes are organized into checkbox groupings by element taken from the former bullet forms. For each element grouping, there are eight different components where defects can be noted. Each defect is classifiable as N/A, NR (No repair required), Category A (Critical Finding), or B (Contract). Fields include notes, contract repair quantities and photo references for recommended repairs.

b) Report Section Descriptions

A description of the information per report section is listed below:

Contract History – Type, Contract Number, Description of Work, Year (Consultants will need to collect data for all contract work competed from construction to the most recent contract. Information will be obtained by the consultant through review of the contract information included in the prior reports through 2017 and review of As-Built plans after 2017. Hours should be included in the fee proposal for this task.)

General and Inspection Information – Sign Data, Chord Splice Locations, Sign Panels, and Inspection Information including Team Leader, Assistant Team Leader(s), equipment, MPT, temperature, etc.

Conclusions – Overall Condition, Upgrade/Downgrade, Scheduled/Ongoing/Completed Work, Critical Findings, and Category E.

Foundations and Protective Features – Foundations, Anchor Bolts, Base Plates/Stiffeners/Welds, Embankment, Guide Rail/Attenuator, barrier.

Structures Elements – End Frames / Tower, End Frames / Tower to Truss connections and Bearings, Truss and Chords, Chord Splices, Welds, Coating, Caps and Handhole Covers.

Sign Panels, Connections, and Inspection Access – Sign Panel/Legibility, Panel Fasteners, Stringer Fasteners, Hanger Fasteners, Chord Connections, Walkway Grating, and Fasteners, Walkway Screening (A Frame), Handrail, Access Ladders, Security Features.

Electrical Equipment and Housekeeping – Luminaires, Cabinets, Conduits/JB, ITSS Equipment, Overgrown Vegetation, Vandalism.

Chord Splice Sheet – Include as needed when defects are noted.

Sign Foundation Sketch – Show general view of bolts and numbering sequence.

Clearance – Vertical underclearance sheet showing the location of the measurement taken (where access is available).

c) Photographs

Photographs shall be uploaded onto the BridgeInspect Collector System with captions in the following order.

GENERAL: Front and Back Elevations, Sign Panels, End Frames and Foundations (including electrical equipment).

CRITICAL FINDING: Defect Photos associated with Category A reports (A1, A2, A3, Guide Rail).

DEFECT: All repairable defects must have a photo for each location in order of the field notes. However, only defect photos need to be included in the report and it should be the worst condition noted if multiple locations exist with similar defects. Starting in 2019 Category D repairs will no longer be recommended in the reports and the corresponding photos do not need to be included in the reports, they should however be uploaded to the Pics/Files page as described below.

WORK DONE: Work done photos shall be included within the defect photos.

EQUIPMENT AND MPT: Special equipment or MPT used during the inspection.

Photographs are required for all defects with Category A or B repairs recommended; typical/worst photos can be included in the report with reference to other locations in the description.

Deficiency quantities (e.g. 20 SF of concrete is hollow sounding) and location shall be included in the caption. The photo date shall be recorded upon upload and reflect the actual date the photograph was taken.

Although not all photos will be included in the Report, the Consultant shall take photos of every repairable defect and upload onto the InspectTech database. Photos not included in the Inspection Report will also be useful for scoping of sign structure repair contracts and the description shall contain the element and defect shown at a minimum.

Deficiencies noted in reports shall be cross referenced to photos taken which depict that deficiency.

When improvements are underway at a sign structure, the Consultant shall provide photos of the areas under construction. This will require early familiarization with the Authority's planned bridge repair contracts for 2019 and 2020.

The digital camera to be used shall have a minimum resolution of four (4) mega pixels.

2. Format Report Submission

The Bridge Inspection Technical Program Manager will select the first five sign structures to serve as format reports and will provide the list to the Consultant at the kick off meeting.

3. Draft Report Submission

The Consultant shall bundle draft report submission in groups of approximately 20. The submission groups shall be included in the consultant's first Submission Schedule for the Authority's approval. Draft reports shall be submitted in electronic format (pdf). The Bridge Inspection Technical Program Manager will establish FTP sites to upload the reports. The Authority will review a representative number of reports per group and will return red-lined comments to the Consultant. The consultant shall address all comments into all of the final reports including those that were not marked up.

D. Electronic Deliverables for Final Reports

Hard copies of reports are not required to be submitted. Sign structure inspection report files shall be provided as PDF files on CDs, DVD, flash drive or other acceptable media. Each of the reports shall be named TPK_SignInspectionReport_Structure Number.file extension. Example as shown "TPK_SignInspectionReport_W107.11.pdf". All reports shall be placed together in one folder or subfolder set up specifically for sign structure inspection reports only. Working files for any foundation sketches, chord splice plates, etc. shall also be included under a separate folder titled "Working Files".

E. Authority Deficiency Category Definitions (SIGN STRUCTURES)

The Consultant shall review and adhere to the Authority's Critical Finding Repair Procedures, for the reporting of potential Category A deficiencies.

To identify the severity of the deficiencies and prioritize the necessary repairs to help in planning for future Maintenance Force and Contract improvements, the deficiencies and conditions noted in the inspection reports shall be identified within one of the following Authority stipulated repair categories:

CATEGORY A "Critical Findings"

Deficiencies that require immediate attention with prompt notification given to the Authority.

For such findings, a Category A report is prepared and issued with one of the below subcategories based on urgency and criticality.

A1 (Emergency)

Critical/major defects discovered at the time of inspection which constitute an immediate impairment to the ability of the structure to function in the safe capacity it was designed for.

Included are defects such as: sign attachment failure, main structural member failure, significant anchor bolt group deterioration, etc.

A2 (Priority)

Critical issues noted which are recommended for necessary repair in the near future as they pose a safety concern to motorists, or could lead to significant load restriction or partial collapse of the structure.

Included are defects such as: missing and/or loose bolt nut(s), significant spalls that, if left unrepaired, may lead to further deterioration to the concrete pedestals and anchor bolts.

A3 (Non-Structural)

Issues noted which are recommended for a repair before the next regularly scheduled contract. This also includes conditions with questionable stability that may become critical if not addressed.

Included are defects such as damage/failure in the structure's security features, slope washout, etc.

Guide Rail

Damage or significant corrosion noted to guide rail elements including rail and posts along the roadway protecting the sign structure, which require immediate repair are reported by the issuance of a Guide Rail Type Category A Report.

Under the InspectTech system, a Category A Report is issued for each item and distributed to Engineering and Maintenance as required. Further information can be found in the Critical Finding Repair Procedures.

CATEGORY B "Contract"

Deficiencies noted that are recommended for repair in the near future by an appropriate Contract as part of the Authority's Capital Budget Program.

This category involves repair work or alterations that are considered too extensive or require special expertise, equipment, methods, or materials to repair, and are therefore put out as Contract work. Deficiencies which fall into this category are: cracks in the welds connecting the truss member horizontals or diagonals to the column at the end frames, cracks in the truss support cross beam welds to the column, chord splice plate connection cracks on trusses that have not been post-tensioned, post-tensioning, installation of vibration dampeners, cracks in the baseplate welds to the column or spacer ring, pad/pedestal reconstructions, and missing end caps or handhole covers. Painting of remaining 1956 or new "Art Deco" style steel sign structures also falls under this category.

Category D "Maintenance"

Deficiencies noted which can be repaired most expeditiously by the Authority's own Maintenance Forces using Authority owned equipment and materials.

This category encompasses routine maintenance and repair work that includes the repair of missing, loose, cracked or sheared U-bolts, loose sign hanger to truss U-bolts, U-bolts with inadequate thread extensions, and missing, cracked or loose chord splice bolts, panel background painting, sign legend repairs, complete sign panel replacements, supplemental fasteners, sign lighting lamp replacement, and all electrical and walkway repairs, including OHV damage.

CATEGORY E "Monitor"

Noted deficiencies or conditions that are considered actively developing and may be recommended for contract work, but require monitoring until the condition has been remedied. This monitoring would involve an increased inspection frequency and/or level of detail through routine or interim inspections.

This category covers visible minor conditions related to the age of the structure, or slow / long- term deterioration not yet at the threshold requiring repairs, or items deferred for more efficient / economical inclusion in a planned future Contract. Defects in this category include the following: concrete / grout pad shrinkage cracks, surface scaling, spalling, deterioration, anchor bolt corrosion, steel corrosion/ loss of galvanizing / paint deterioration, and sign panel legibility / background condition.

2. High Mast Light Pole Inspection Scope

A This inspection covers 82 high mast light poles in Group 4 (see Section XX). Starting in 2019, the Authority's high mast light pole inspections are inspected on a four year cycle.

Perform an in-depth visual inspection or visual and Non-Destructive Testing (NDT) of welded joints on each of the listed High Mast Light Poles to determine the condition of the pole, foundation, and ancillary features, utilizing the data and history furnished by the Authority relating to the listed high mast light poles. The inspections shall include, but not necessarily be limited to, the following:

- Lighting pole.
- Telescopic slip joint.
- Access door and hand hole, remove door and inspect inside.
- Inspect hand hole area for fatigue cracks.
- Base and anchor bolts, make sure they are tight.
- Lighting halo.
- Winching system including winch pulleys and supports.
- Foundation.
- Check for abrasion, section loss (using a D-meter), or loss of the weathering coating.
- Cracks -- especially in welds and other areas vulnerable to fatigue.
- Plumbness of pole.
- Check leveling nut is making contact with base plate, and for any signs of distress in the area of leveling nut.

Inspection of the pole shafts and lighting halos can be accomplished using unmanned aircraft systems (UAS, or Drones). Hands-on inspection of suspected areas is required. In addition, ultrasonic wall thickness measurements utilizing a D meter shall be taken in the four cardinal directions at all mast bases and a borescope shall be used for the mast base interior inspections after vacuum cleanout at all first generation lighting masts with small 6" x 8" base access openings. Concrete pedestal and base elements shall be cleared of foliage and excavated by shovel when required, to allow inspection of anchor bolt to substructure interface, and the surface of the pedestal. The estimated expense for drone inspection shall be listed in the Fee Proposal as direct expense. Lowering of the halos for inspection will not be required as part of this OPS.

First generation lighting masts are comprised of multiple tubes that are jam fit / telescoped together. Second generation lighting masts are comprised of multiple end welded sections. Multiple landing truss lighting towers are comprised of bolted aluminum members.

Measure, probe or otherwise make all efforts to determine the nature or cause of any abnormal movements or shifting detected or suspected, including due to wind of each High Mast Light Pole or its foundation (not including the use of special services) where feasible.

The drone inspection procedures shall follow the strict guidelines set forth in Part 107 of the FAA rules. The drone shall never fly over live traffic or persons while performing the inspection. The

inspections shall include slow descending / ascending flight, between 5 to 10 feet preferred, from base to tip along the shaft at three vantage points and slow orbiting flight, within 10 feet preferred, above and below the luminaire assembly to allow the team leader to visually observe any features to be inspected while simultaneously recording video. After the visual inspection is completed, still images shall be taken of the high mast light pole to create a seamless image of the light pole for viewing later. Drone pilots must meet the FAA requirements for the type of operation they are conducting. Pilots flying under the Part 107 small UAS rule (i.e. Drones weighting less than 55 lbs.) **must be certified** as a remote pilot with a small UAS rating.

The pilot in command shall ensure that persons directly participating in the small UAS operation are informed about the operating conditions, emergency procedures, contingency procedures, roles and responsibilities, and potential hazards. The pilot shall also be responsible for complying with all restricted airspaces including any temporary flight restrictions and shall be responsible for coordinating with nearby air traffic control if required.

The drone should meet or exceed the following:

- Have a "vision system" that provides the ability to sense and avoid objects while airborne and operating at speeds of less than 31 mph. This includes the ability to inspect from a distance of less than 10 feet.
- Have the ability to stay airborne for more than 20 minutes per battery.
- Have a GPS / GLONASS system installed and operating.
- Have the ability to autonomously map areas and provide a mapping resolution of up to one (1) inch per pixel with wind conditions of less than 10 mph.
- The on-board camera should have at least a one (1) inch CMOS sensor (or similar) with an effective resolution of 20 megapixels or higher.
- The on-board camera should have the ability to record video with a resolution of up to 4096 x 2160 and at frames rates up to 60 fps.

B High Mast Light Pole Inspection Reports

1. Report Format

The Consultant shall submit a draft report for each sign structure to the Technical Manager. An initial group of five (5) format reports will be pre-selected for review based on the Consultant's submitted inspection schedule and shall cover different types of high mast light poles in Group 4. In addition to the format reports, 25% of the draft reports (20 high mast light poles in Group 4) will be reviewed by the Technical Manager. The comments from the reviewed draft reports shall be incorporated to all reports as applicable, including the remaining 75% not reviewed.

Starting in 2019, the Authority will be using a new high mast light pole report format. A sample report and sample input forms have been posted to the Authority's Secure File sharing site along with other project reference and materials. The individual inspection reports for each structure are generated in the Bentley (InspectTech) system from standard input forms. The Consultant shall utilize the Bentley (InspectTech) system to generate individual sign structure inspection reports including photographs (identification photos and defect photos). The majority of the document pages shall be generated in InspectTech through new forms and report sections. Other pages shall be generated outside the program and inserted as additional sections.

Category A reports for Type A1, A2, A3, and Guide Rail shall be included.

a) Report Sections

The report shall have the following sections. All are generated in IT unless otherwise noted*:

- Cover
- Table of Contents
- Contract History
- Location Map*
- General and Inspection Information
- Conclusions
- Component Inspection Form
- Photographs
- Critical Findings

Field notes are organized into checkbox groupings by component. Each components associated defects are classifiable as N/A, NR (No repair required), Category A (Critical Finding), or B (Contract). Fields include notes, contract repair quantities and photo references for recommended repairs.

b) Report Section Descriptions

A description of the information per report section is listed below:

Contract History – Type, Contract Number, Description of Work, Year (Consultants will need to collect data for all contract work competed from construction to the most recent contract. Information will be obtained by the consultant through review of the contract information included in the prior reports through 2013 and review of As-Built plans after 2013. Hours should be included in the fee proposal for this task.)

Location Map – Aerial view of location (interchange, service area, etc.) identifying poles by number and highlighting individual pole cited in report.

General and Inspection Information – Structure Data, Construction Data, and Inspection Information including Team Leader, Assistant Team Leader(s), equipment, MPT, temperature, ND Testing, etc.

Conclusions – Overall Condition, Upgrade/Downgrade, Scheduled/Ongoing/Completed Work, Critical Findings, and Category E.

Component Inspection Form – Pedestal, Steel Base Plate, Anchor Bolts, Pole Shaft and Base Interior, Pole Splice Overlaps, Access Doors, Hand Holes, Lowering Machinery, Fixtures / Halo, Electrical Equipment.

c) Photographs

Photographs shall be uploaded onto the BridgeInspect Collector System with captions in the following order.

GENERAL: Elevations of the pole (at least two in opposite directions), foundation / pedestal, halo, access area / hand hole (opened) and electrical equipment.

CRITICAL FINDING: Defect Photos associated with Category A reports (A1, A2, A3, Guide Rail).

DEFECT: All repairable defects must have a photo for each location in order of the field notes. However, only defect photos need to be included in the report and it should be the worst condition noted if multiple locations exist with similar defects. Although Category D repair recommendations are not included in the reports and the corresponding photos do

not need to be included in the reports, they should however be uploaded to the Pics/Files page as described below.

WORK DONE: Work done photos shall be included within the defect photos.

EQUIPMENT AND MPT: Special equipment or MPT used during the inspection including but not limited to the following: ND testing equipment (UT thickness device, D-Meter), borescope, vacuum, generator, and grinder, etc.

2. Format Report Submission

The Bridge Inspection Technical Program Manager will select the first five HMLP structures to serve as format reports and will provide the list to the Consultant at the kick off meeting.

3. Draft Report Submission

The Consultant shall bundle draft report submission in groups of approximately 10. The submission groups shall be included in the consultant's first Submission Schedule for the Authority's approval. Draft reports shall be submitted in electronic format (pdf). The Bridge Inspection Technical Program Manager will establish FTP sites to upload the reports. The Authority will review a representative number of reports per group and will return red-lined comments to the Consultant. The consultant shall address all comments into all of the final reports including those that were not marked up.

C. Electronic Deliverables for Final Reports

Hard copies of reports are not required to be submitted. HMLP structure inspection report files shall be provided as PDF files on CDs, DVD, flash drive or other acceptable media. Each of the reports shall be named TPK_HMLPInspectionReport_Structure Number.file extension. Example as show: "TPK_HMLPInspectionReport_INT1001.pdf". All reports shall be placed together in one folder or subfolder set up specifically for HMLP structure inspection reports only. Working files for any sketches, Section Loss Sheets, etc. shall also be included under a separate folder titled "Working Files". In addition, all the raw images and video acquired by the drone on site and flight reports shall be included under a separate 1 TB hard drive.

D. Authority Deficiency Category Definitions (HIGH MAST LIGHT POLE)

The Consultant shall review and adhere to the Authority's Critical Finding Repair Procedures, for the reporting of potential Category A deficiencies.

To identify the severity of the deficiencies and prioritize the necessary repairs to help in planning for future Maintenance Force and Contract improvements, the deficiencies and conditions noted in the inspection reports shall be identified within one of the following Authority stipulated repair categories:

CATEGORY A "Critical Findings"

Deficiencies that require immediate attention with prompt notification given to the Authority. For such findings, a Category A report is prepared and issued with one of the below subcategories based on urgency and criticality.

A1 (Emergency)

Critical/major defects discovered at the time of inspection which constitute an immediate impairment to the ability of the structure to function in the safe capacity it was designed for.

Included are defects such as: pole shaft failure, such as severe impact damage or misaligned, critical cracks present, significant anchor bolt group deterioration, etc.

A2 (Priority)

Critical issues noted which are recommended for necessary repair in the near future as they pose a safety concern to motorists, or could lead to significant load restriction or partial collapse of the structure.

Included are defects such as: missing and/or loose bolt nut(s), significant spalls that, if left unrepaired, may lead to further deterioration to the concrete pedestals and anchor bolts.

A3 (Non-Structural)

Issues noted which are recommended for a repair before the next regularly scheduled contract. This also includes conditions with questionable stability that may become critical if not addressed.

Included are defects such as: damage/failure in the structure's protective features, missing hand hole cover.

Guide Rail

Damage or significant corrosion noted to guide rail elements including rail and posts along the roadway protecting the high mast light pole, which require immediate repair are reported by the issuance of a Guide Rail Type Category A Report.

Under the InspectTech system, a Category A Report is issued for each item and distributed to Engineering and Maintenance as required. Further information can be found in the Critical Finding Repair Procedures.

CATEGORY B “Contract”

Deficiencies noted that are recommended for repair in the near future by an appropriate Contract as part of the Authority's Capital Budget Program.

This category involves repair work or alterations that are considered too extensive or require special expertise, equipment, methods, or materials to repair, and are therefore put out as Contract work. Deficiencies which fall into this category are repairs to the raising / lowering mechanisms, halo mechanical repairs, and winch / electrical cable changeouts are only by outside contractor.

Category D “Maintenance”

Deficiencies noted which can be repaired most expeditiously by the Authority's own Maintenance Forces using Authority owned equipment and materials.

This category encompasses routine maintenance and repair work that includes relamping and electrical repairs. Relamping, many times is done by rental of ultra high bucket truck (in lieu of winch lowering) as an efficient annual program covering fixed and lowerable masts and towers.

CATEGORY E “Monitor”

Noted deficiencies or conditions that are considered actively developing and may be recommended for contract work, but require monitoring until the condition has been remedied. This monitoring would involve an increased inspection frequency and/or level of detail through routine or interim inspections.

This category covers visible minor conditions related to the age of the structure, or slow / long- term deterioration not yet at the threshold requiring repairs, or items deferred for more efficient / economical inclusion in a planned future Contract. Defects in this category include the following:

concrete / grout pad shrinkage cracks, surface scaling, spalling, deterioration, anchor bolt corrosion, steel corrosion/ loss of galvanizing / paint deterioration; etc.

SECTION V
Staffing Schedule
2019 New Jersey Turnpike Authority Bridge Inspection Program
OPS No. T3708
New Jersey Turnpike – Group 3

Classification (ASCE-Grade)	Task 1 Mobilization	Task 2 Sign Inspection	Task 3 Sign Reports	Task 4 Unanticipated Hours	Total Hours
Project Manager ()				100	
QA Officer ()					
Team Leader ()				350	
Inspector/ Engineer ()				300	
Junior Engineer ()					
CADD Technician ()					
Other-Specify ()					
Total Hours				750	

Note: The above chart is intended to act as a guide. The Consultant shall modify and expand Classifications and tasks as required to meet project needs.

SECTION V
Staffing Schedule
2019 New Jersey Turnpike Authority Bridge Inspection Program
OPS No. T3709
New Jersey Turnpike – Group 4

Classification (ASCE-Grade)	Task 1 Mobilization	Task 2 Sign Inspection	Task 3 Sign Reports	Task 4 HMLP Inspection	Task 5 HMLP Reports	Task 6 Unanticipated Hours	Total Hours
Project Manager ()						100	
QA Officer ()							
Team Leader ()						350	
Inspector/ Engineer ()						300	
Junior Engineer ()							
CADD Technician ()							
Other-Specify ()							
Total Hours						750	

Note: The above chart is intended to act as a guide. The Consultant shall modify and expand Classifications and tasks as required to meet project needs.

SECTION VI **Compensation Basis**

Effective February 28, 2011 the New Jersey Turnpike Authority will no longer issue Non-Revenue Toll Passes to consultants working on Authority projects. Also effective this date, the consultant will be responsible for paying all tolls.

Following a review of submitted Expressions of Interest, the Authority will request Fee Proposal(s) from the Firm(s) it deems most qualified.

The Sealed Fee Proposal shall be submitted as a cost-plus fee, based on reimbursement of direct professional and technical salaries, except Corporate Officers, Partners, Owners and routine secretarial and clerical services, times a multiplier, not to exceed 2.8, based on a 10% allowance for profit and an overhead rate of 154.5%, the individual Firm's overhead rate as determined by Federal Audit Regulation (FAR) procedures, whichever is less plus direct expenses and subconsultant services, at cost. The multiplier shall not be applied to the premium portion of overtime. When Corporate Officers, Partners, Owners and/or Principals are required to provide services in a technical capacity, the salaries for such services shall be reimbursable for direct salaries times a multiplier not to exceed 2.8. The multiplier covers all overhead and profit. No expenses or costs shall be billed unless specifically included in this EOI Solicitation or Final Negotiated Fee Proposal. For general services provided by Corporate Officers, Partners, Owners and/or Principals working in a non-technical capacity, no compensation will be provided.

Average rate per classification/grade will not be permitted to determine total labor costs. The Consultant shall list each individual proposed for the project and include the hours and hourly pay rate.

Effective August 1, 2015, salary rate increases will be permitted in accordance with the following parameters:

- Salary increases will not be permitted for the first 24 months of any OPS Agreement from the date of execution;
- Starting at month 25, all staff, regardless of pay grade / title, will be allowed up to a maximum annual increase of 2%;
- The proposal salary rate increase schedule will apply to the prime consultant as well as all sub-consultants;
- Supplements to OPS Agreements executed prior to August 1, 2015 will not be permitted salary increases.

The Fee Proposal when requested, shall detail time (hours) and direct salary data for classifications conforming to ASCE Professional and Technical Grades, as shown on the staffing schedule and as modified by the Consultant to account for all required services. The ceiling amount shall be estimated to the nearest \$5,000.

Salaries shall be charged at the Consultant's hourly rates. The Consultant is responsible for managing the assignment, adhering to the number of hours, salary rates and personnel, as presented in the Expression of Interest and Fee Proposals. Individual standard and overtime rates must be approved by the Authority's Chief Engineer or the Chief Engineer's designated representative prior to commencement of work or whenever the Consultant proposes that an individual's rate be changed during the term of this OPS, provided such change is reflected in the Consultant's Fee Proposal. Except for overtime worked on construction supervision during permissible contract working hours, approval of overtime must be issued by the Authority. The Fee Proposal shall follow and reflect the staffing schedule as shown in Section V.

Direct expenses shall include only mileage, printing of inspection reports (including the costs of regular paper, colored paper, dividers, covers, photo pages, bindings, labels, and plastic covers), external portable hard drive, rental cost for sign structure and high mast light pole inspection equipment, MPT costs, fuel and tires for rented inspection equipment or TMAs, tolls charged by other agencies as required to access Authority sign structures and high mast light poles, and expenses associated with the unanticipated assignment task, with prior written approval by the Authority. The Consultant shall provide the estimated direct costs for these items in the Fee Proposal. Mileage will be paid at the prevailing rate. Mileage will be reimbursed for travel between the field office and the job site and return. Any change to this rate is subject to the approval of the New Jersey Turnpike Authority.

Expenses for lodging and meals will be paid in accordance with the Federal per diem rates which can be found at www.gsa.gov/perdiem. Compensation for lodging and meals must be approved in advance by the Authority, otherwise the Consultant will not be reimbursed for meals and lodging. This shall also apply to the Consultants subconsultants.

Subconsultant services are those required services performed by other Firms at the Consultant's direction. These services in excess of \$5,000 must be approved in advance by the Authority.

Overnight delivery charges will be paid by the Authority if said delivery is specifically requested by the Authority and agreed to in advance. Otherwise, the Consultant will not be reimbursed for overnight delivery charges if the Consultant elects to use such services for his convenience. This shall also apply to the consultant's subconsultants.

SECTION VII
NEW JERSEY TURNPIKE AUTHORITY
SMALL BUSINESS ENTERPRISE SUBCONSULTING PROGRAM

It is the policy of the New Jersey Turnpike Authority (the "Authority") that Small Business Enterprises ("SBE") as determined and defined by the Division of Minority and Women Business Development ("Commerce Commission") and the Department of the Treasury ("Treasury") in N.J.A.C. 17:13-1.1, have the opportunity to compete for and participate in the performance of consultant services. The Authority is seeking participation of these SBEs for the issuance of certain Orders for Professional Services (OPS). Your Expression of Interest (EOI) must include a goal of awarding at least twenty-five (25%) percent of the total value of the OPS to subconsultants who are registered with the Division as a SBE. The Consultant must submit proof of its subconsultant's SBE registration. In the event that the Consultant cannot comply with the goal set forth above, prior to the time of the award, the Consultant must demonstrate to the Authority's satisfaction that a good faith effort was made to accomplish the above stated goal.

In order for the Authority to monitor and report SBE participation during the course of the OPS pursuant to N.J.A.C. 17:13-5.2, the consultant shall submit evidence of SBE participation in a form acceptable to the Authority, with each invoice for payment. Invoices for Payment submitted without the completed SBE Form will not be processed.

If the Consultant, for any reason, at any time during the course of the OPS, intends to make any additions, deletions or substitutions to the list of Firms on the SBE form submitted to the Authority, the Consultant shall submit such proposed changes for approval. Any such proposed changes must comply with the requirements and procedures set forth herein.

Evidence of a "good faith effort" includes, but is not limited to:

1. Consultant shall request a listing of small businesses from the Division and the Authority and attempt to contact same;
2. Consultant shall keep specific records of its efforts, including the names of businesses contacted and the means and results of such contacts, receipts from certified mail and telephone records;

3. Consultant shall provide proof of solicitations of SBEs for their services, including advertisements in general circulation media, professional service publications and minority and women focus media;
4. Consultant shall provide evidence of efforts made to identify work categories capable of being performed by SBEs;
5. Consultant shall provide all potential subconsultants with detailed information regarding the project description;
6. Consultant shall attempt, wherever possible, to negotiate lower prices with potential SBE subconsultants which submitted higher than acceptable fee estimates; and
7. Efforts made to use the services of available community organizations, consultant groups, and local, state and federal agencies that provide assistance in the recruitment and placement of SBEs.

Consultant shall maintain adequate records to document their efforts and will provide same to the Authority upon request.

SECTION VIII
EQUAL EMPLOYMENT OPPORTUNITY REGULATIONS
N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)
And N.J.A.C. 17:27
GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on

the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C.17:27**.

SECTION IX

State Contractor Political Contributions Compliance

Public Law 2005, Chapter 51, Executive Order 134 and Executive Order 117

In order to safeguard the integrity of State government procurement by imposing restrictions to insulate the award of State contracts from political contributions that pose the risk of improper influence, purchase of access, or the appearance thereof, Executive Order 134 was signed on September 22, 2004 ("Executive Order 134"). The Order is applicable to all State agencies, the principal departments of the executive branch, any division, board, bureau, office, commission within or created by a principal executive branch department, and any independent State authority, board, commission, instrumentality or agency. Executive Order 134 was superseded by Public Law 2005, c.51, signed into law on March 22, 2005. In September 2008, Executive Order 117 was signed and became effective November 15, 2008. It applies to the same government contracting entities subject to Executive Order 134, but extends the political contribution restrictions by expanding the definition of "business entity" to include, for example, more corporate shareholders and sole proprietors. Executive Orders 134 and 117, and Public Law 2005, c.51 contain restrictions and reporting requirements that will necessitate a thorough review of the provisions. Pursuant to the requirements of PL 2005, c.51, the terms and conditions set forth in this section are material terms of any OPS resulting from this RFEI or RFP:

DEFINITIONS

For the purpose of this section, the following shall be defined as follows:

- a) Contribution – means a contribution reportable as a recipient under “The New Jersey Campaign Contributions and Expenditures Reporting Act.” P.L. 1973, c. 83 (C.19:44A-1 et seq.), and implementing regulations set forth at N.J.A.C. 19:25-7 and N.J.A.C. 19:25-10.1 et seq. Through December 31, 2004, contributions in excess of \$400 during a reporting period were deemed "reportable" under these laws. As of January 1, 2005, that threshold was reduced to contributions in excess of \$300.
- b) Business Entity – means any natural or legal person; business corporation (and any officer, person, or business entity that owns or controls 10% or more of the corporation’s stock); professional services corporation (and any of its officers or shareholders); limited liability company (and its members); general partnership (and its partners); limited partnership (and its partners); in the case of a sole proprietorship: the proprietor; a business trust, association or any other legal commercial entity organized under the laws of New Jersey or any other state or foreign jurisdiction, including its principals, officers, or partners. The definition of a business entity also includes (i)all principals who own or control more than 10 percent of the profits or assets of a business entity; (ii)any subsidiaries directly or indirectly controlled by the business entity; (iii)any political organization organized under section 527 of the Internal Revenue Code that is directly or indirectly controlled by the business entity, other than a candidate committee, election fund, or political party committee; and (iv) if a business entity is a natural person, that person’s spouse or child, residing in the same household.

BREACH OF TERMS OF THE LEGISLATION

It shall be a breach of the terms of the contract for the Business Entity to (i)make or solicit a contribution in violation of the Legislation, (ii)knowingly conceal or misrepresent a contribution given or received; (iii)make or solicit contributions through intermediaries for the purpose of concealing or misrepresenting the source of the contribution; (iv)make or solicit any contribution on the condition or with the agreement that it will be contributed to a campaign committee or any candidate of holder of the public office of Governor, or to any State or county party committee; (v)engage or employ a lobbyist or consultant with the intent or understanding that such lobbyist or consultant would make or solicit any contribution, which if made or solicited by the business entity itself, would subject that entity to the restrictions of the Legislation; (vi)fund contributions made by third parties, including consultants, attorneys, family members, and employees; (vii)engage in any exchange of contributions to circumvent the intent of the Legislation; or (viii)directly or indirectly through or by any other person or means, do any act which would subject that entity to the restrictions of the Legislation.

CERTIFICATION AND DISCLOSURE REQUIREMENTS

- a) The Authority 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 to any State, county or municipal political party committee, or legislative leadership committee during specified time periods.
- b) Prior to the award of any contract or agreement, the intended Awardee shall submit the Certification and Disclosure form, certifying that no contributions prohibited by the Legislation 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. 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.

STATE TREASURER REVIEW

The State Treasurer or his designee shall review the Disclosures submitted pursuant to this section, as well as any other pertinent information concerning the contributions or reports thereof by the intended awardee, prior to award, or during the term of the contract, by the contractor. If the State Treasurer determines that any contribution or action by the contractor constitutes a breach of contract that poses a conflict of interest in the awarding of the contract under this solicitation, the State Treasurer shall disqualify the Business Entity from award of such contract.

ADDITIONAL DISCLOSURE REQUIREMENT OF P.L. 2005, C. 271

Contractor is advised of its responsibility to file an annual disclosure statement on political contributions with the New Jersey Election Law Enforcement Commission (ELEC), pursuant to P.L. 2005, c. 271, section 3 if the contractor receives contracts in excess of \$50,000 from a public entity in a calendar year. It is the contractor's responsibility to determine if filing is necessary. Failure to so file can result in the imposition of financial penalties by ELEC. Additional information about this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

ADDITIONAL DISCLOSURE REQUIREMENT OF P.L. 2005, C. 51 (EXECUTIVE ORDER NO. 117)

Executive Order No. 117 (Corzine 2008) is designed to enhance New Jersey's efforts to protect the integrity of government contractual decisions and increase the public's confidence in government. The Executive Order builds on the provisions of P.L. 2005, c. 51 ("Chapter 51"), which limits contributions to certain political candidates and committees by for-profit business entities that are, or seek to become, State government vendors.

Executive Order No. 117 extends the provisions of Chapter 51 in two ways:

1. The definition of "business entity" is revised and expanded so that contributions by the following individuals also are considered contributions attributable to the business entity:
 - Officers of a corporation, any person or business entity who owns or controls 10% or more of the corporation's stock, and professional services corporations, including any officer or shareholder, with the term "officer" being defined in the same manner as in the regulations of the Election Law Enforcement Commission regarding vendor disclosure requirements (N.J.A.C. 19:25-26.1), with the exception of officers of non-profit entities;
 - Partners of general partnerships, limited partnerships, and limited liability partnerships and members of limited liability companies (LLCs), with the term "partner" being defined in the same manner as in the regulations of the Election Law Enforcement Commission regarding vendor disclosure requirements (N.J.A.C. 19:25-26.1);
 - In the case of a sole proprietorship: the proprietor; and
 - In the case of any other form or entity organized under the laws of this State or any other state or foreign jurisdiction: the entity and any principal, officer, and partner thereof;
 - Spouses, civil union partners, and resident children of officers, partners, LLC members, persons owning or controlling 10% or more of a corporation's stock, all shareholders of a professional services corporation, and sole proprietors are included within the new definition, except for contributions by spouses, civil union partners, or resident children to a candidate for whom the contributor is eligible to vote or to a political party committee within whose jurisdiction the contributor resides.
2. Reportable contributions (those over \$300.00 in the aggregate) to legislative leadership committees, municipal political party committees, and candidate committees or election funds for Lieutenant Governor are disqualifying contributions in the same manner as reportable contributions to State and county political party

committees and candidate committees or election funds for Governor have been disqualifying contributions under Chapter 51.

Executive Order No. 117 applies only to contributions made on or after November 15, 2008, and to contracts executed on or after November 15, 2008.

Only the intended Awardee will be required to submit the required P.L. 2005 c. 51/Executive Order 117 and P.L., 2005, c. 271 forms. The **combined** Chapter 51/Executive Order 117 form and the Chapter 271 form are available on the Department of Treasury Division of Purchase and Property's website at: <http://www.state.nj.us/treasury/purchase/forms.htm>.

SECTION X
Set-Off for State Tax
(N.J.S.A. 54:49-19)

Please be advised that pursuant to P.L. 1995. C. 159, effective January 1, 1996 and notwithstanding any provision of the law to the contrary, whenever any taxpayer, partnership, or S corporation under contract to provide goods or services or construction projects to the State of New Jersey or its agencies or instrumentalities, including the legislative and judicial branches of State government, is entitled to payment for those goods or services or construction projects and at the same time the taxpayer, or the partner or shareholder of that entity, is indebted for any State tax, the Director of the Division of Taxation shall seek to set-off that taxpayer's, partner's or shareholder's share of the payment due to the taxpayer, partnership, or S corporation. The amount of set-off shall not allow for the deduction of any expenses or other deductions which might be attributable to a partner or shareholder subject to set-off under this act. No payment shall be made to the taxpayer, the provider of goods or services or the contractor or subcontractor of construction projects pending resolution of the indebtedness.

The Director of Division of Taxation shall give notice to the set-off to the taxpayer, the provider of goods or services, or the contractor or subcontractor of construction projects and provide an opportunity for a hearing with thirty (30) days such notice under the procedures for protests established under R.S. 54:49-18. No requests for conference, protest or subsequent appeal to the Tax Court from any protest under this section shall stay the collection of the indebtedness. Interest that may be payable by the State pursuant to P.L. 1987, c. 184 (c.582:32-32et seq.) to the taxpayer, the provider of goods or services, or the contractor or subcontractor of construction projects shall be stayed.

SECTION XI
Right to Audit

Pursuant to N.J.A.C. 17:44-2.2, authority to audit or review contract records:

- (a) Relevant records of private vendors or other persons entering into contracts with covered entities are subject to review by the Office of the State Comptroller (OSC) pursuant to N.J.S.A. 52:15C-14(d).
- (b) As of November 15, 2010, the Consultant (contract partner) shall maintain all documentation related to products, transactions or services under this contract for a period of five years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request.

SECTION XII
Source Disclosure Certification

Pursuant to N.J.S.A. 52:34-13.2 (Executive Order 129 (2004) the Authority must consider the requirements of New Jersey's contracting laws, the best interests of the State of New Jersey and its citizens, as well as applicable federal and international requirements.

The Authority shall insure that all Firms seeking to enter into any contract in which services are procured on its behalf must disclose:

- a. The location by country where the services under contract will be performed;
- b. Any subcontracting of services under the contract and the location by country where the subcontracted services will be performed.

This information must be disclosed on the Vendor Source Disclosure Form – N.J.S.A. 52:34-13.2 (Executive Order 129 (2004)), which is available on the authority's website at: <http://www.state.nj.us/turnpike/documents/vendor-disclosure-form.pdf> and returned with your Firm's Expression of Interest (EOI).

SECTION XIII
Disclosure of Investment Activities in Iran

Pursuant to N.J.S.A. 52:32-57(a), the bidder must certify that neither the Proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the Proposer is unable to so certify, the Proposer shall provide a detailed and precise description of such activities to the Authority. Each Proposer (and all Subconsultants) shall certify under penalty of perjury, date and return to the Authority the completed form entitled "Disclosure of Investment Activities in Iran" form which is available on the Authority's website with your Firm's Expression of Interest (EOI). Failure to include the completed form, certified and dated, shall be grounds for rejection of Proposer's Expression of Interest (EOI).

Pursuant to N.J.S.A. 52:32-57(a), any person or entity that is on the list of entities that are doing business with Iran is ineligible to and shall not bid on or submit a proposal for a contract with the Authority.

SECTION XIV
Antidiscrimination Provisions

In accordance with N.J.S.A. 10:2-1 every contract for or on behalf of the State or any county or municipality or other political subdivision of the State, or any agency of or authority created by any of the foregoing, for the construction, alteration or repair of any public building or public work or for the acquisition of materials, equipment, supplies or services shall contain provisions by which the contractor agrees that:

- a. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;
- b. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment,

supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;

- c. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$ 50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and
- d. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

SECTION XV
Standards Prohibiting Conflicts of Interest
Executive Order 189 (1988 - Kean)

Pursuant to N.J.S.A.52:34-19 and Executive Order 134 (1976 - Byrne), Executive Order 189 (1988 - Kean) includes the following prohibitions on any vendor which provides or offers or proposes to provide goods or services to or perform any contract for the State of new Jersey or any State agency.

- (a) No vendor shall pay, offer to pay, or agree to pay, either directly or indirectly, any fee, commission, compensation, gift, gratuity, or other thing of value of any kind to any State officer or employee or special State officer or employee, as defined by N.J.S.A. 52:13D-13b. and e., in the Department of the Treasury or any other agency with which such vendor transacts or offers or proposes to transact business, or to any member of the immediate family, as defined by N.J.S.A. 52:13D-13i., of any such officer or employee, or any partnership, Firm, or corporation with which they are employed or associated, or in which such officer or employee has an interest within the meaning of N.J.S.A. 52:13D-13g.
- (b) The solicitation of any fee, commission, compensation, gift, gratuity or other thing of value by any State officer or employee or special State officer or employee from any State vendor shall be reported in writing forthwith by the vendor to the Attorney General and the Executive Commission on Ethical Standards.
- (c) No vendor may, directly or indirectly, undertake any private business, commercial or entrepreneurial relationship with, whether or not pursuant to employment, contract or other agreement, express or implied, or sell any interest in such vendor to, any State officer or employee or special State officer or employee having any duties or responsibilities in connection with the purchase, acquisition or sale of any property or services by or to any State agency or any instrumentality thereof, or with any person, Firm or entity with which he is employed or associated or in which he has an interest within the meaning of N.J.S.A. 52:13D-13g. Any relationships subject to this provision shall be reported in writing forthwith to the Executive Commission on Ethical Standards, which may grant a waiver of this restriction upon application of the State officer or employee or special State officer or employee upon a finding that the present or proposed relationship does not present the potential, actuality or appearance of a conflict of interest.
- (d) No vendor shall influence, or attempt to influence or cause to be influenced, any State officer or employee or special State officer or employee in his official capacity in any manner which might tend to impair the objectivity or independence of judgment of said officer or employee.
- (e) No vendor shall cause or influence, or attempt to cause or influence, any State officer or employee or special State officer or employee to use, or attempt to use, his official position to secure unwarranted privileges or advantages for the vendor or any other person.
- (f) The provisions cited above in paragraph 3a. through 3e. shall not be construed to prohibit a State officer or employee or special State officer or employee from receiving gifts from or contracting with vendors under the same terms and conditions as are offered or made available to members of the general public subject to any guidelines the Executive Commission on Ethical Standards may promulgate under paragraph 3c.

Section XVI
ADA Indemnification

The Consultant and the Authority do hereby further agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. §12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereunto, are made a part of this OPS. In providing any aid, benefit, or service on behalf of the Authority pursuant to this OPS, the Consultant agrees that the performance shall be in strict compliance with the Act. In the event that the Consultant, its agents, servants, employees, or subconsultants violate or are alleged to have violated the Act during the performance of this OPS, the Consultant shall defend the Authority in any action or administrative proceeding commenced pursuant to this Act. The Consultant shall indemnify, protect, and save harmless the Authority, its agents, servants, and employees from and against any and all suits, claims, losses demands, or damages, or whatever kind or nature arising out of or claimed to arise out of the alleged violation. The Consultant shall at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the Authority grievance procedure, the Consultant agrees to abide by any decision of the Authority which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the Authority or if the Authority incurs any expense to cure a violation of the Act which has been brought pursuant to its grievance procedure, the Consultant shall satisfy and discharge the same at its own expense.

The Authority shall, as soon as practicable after a claim has been made against it, give written notice thereof to the Consultant along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the Authority or any of its agents, servants, and employees, the Authority shall expeditiously forward or have forwarded to the Consultant every demand, complaint, notice, summons, pleading, or other process received by the Authority or its representatives. It is expressly agreed and understood that any approval by the Authority of the services provided by the Consultant pursuant to this contact will not relieve the Consultant of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the Authority pursuant to this Section. It is further agreed and understood that the Authority assumes no obligation to indemnify or save harmless the Consultant, its agents, servants, employees and subconsultants for any claim which may arise out of their performance of this OPS. Furthermore, the Consultant expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the Consultant's obligations assumed in this OPS, nor shall they be construed to relieve the Consultant from any liability, nor preclude the Authority from taking any other actions available to it under any other provisions of the OPS or otherwise at law.

Section XVII
Diane B. Allen Equal Pay Act

Please be advised that in accordance with P.L. 2018, c. 9, also known as the Diane B. Allen Equal Pay Act, which was signed in to law by Governor Phil Murphy on April 24, 2018, a contractor performing "qualifying services" or "public work" to the State or any agency or instrumentality of the State shall provide the Commissioner of Labor and Workforce Development a report regarding the compensation and hours worked by employees categorized by gender, race, ethnicity, and job category. For more information and report templates see <https://nj.gov/labor/equalpay/equalpay.html>

SECTION XVIII
Sign Structure Listing
Group 3 - OPS T3708

No.	Sign No.	Location	Flange Category	Last Inspection	Type
1	MP 98.00	NSI/NSO MEDIAN	G	11/20/2017	Cantilever/Butterfly Sign
2	MP 98.00 SNO	SNO ROADWAY	D	8/11/2015	Overhead Sign
3	MP 98.10	NSO / NSI MEDIAN	G	7/16/2015	Cantilever/Butterfly Sign
4	MP 98.16	SNO ROADWAY	D	8/12/2015	Overhead Sign
5	MP 98.19 SNI	SNI ROADWAY			Butterfly Cantilever Sign
6	MP 98.40	NSO / NSI MEDIAN	D	11/20/2017	Cantilever/Butterfly Sign
7	MP 98.54R	SNI ROADWAY	D	10/14/2015	Overhead Sign
8	MP 98.65 SNI	SNI ROADWAY			Butterfly Cantilever Sign
9	MP 98.78 SNI	SNI ROADWAY			Butterfly Cantilever Sign
10	MP 99.13ER	EXIT 13 PLAZA	D	12/21/2015	Overhead Sign
11	MP 99.26	SNO / SNI MEDIAN	D	3/21/2017	Cantilever/Butterfly Sign
12	MP 99.35J	EXIT 13 ONBOUND CHOICE	C-3	12/21/2015	Overhead Sign
13	MP 99.70B	EXIT 13 RAMPS TNO / TNI GORE	B	12/15/2015	Overhead Sign
14	MP 99.84NSI	NSI ROADWAY			Butterfly Cantilever Sign
15	MP 99.87	NSO ROADWAY	D	12/3/2015	Overhead Sign
16	MP 100.00	NSO ROADWAY	D	8/31/2015	Overhead Sign
17	MP 100.00	NSI ROADWAY	D	5/7/2014	Overhead Sign
18	MP 100.01R	SNI ROADWAY	N/A	4/4/2017	Vierendeel Overhead VMS/Hybrid Sign
19	MP 100.01R	SNO ROADWAY	N/A	4/18/2017	Vierendeel Overhead VMS/Hybrid Sign
20	MP 101.11	SNI ROADWAY	D	12/3/2015	Overhead Sign
21	MP 101.11R SNO	SNO ROADWAY	D	12/15/2015	Overhead Sign
22	MP 101.19R	NSO / NSI MEDIAN	D	8/17/2015	Cantilever/Butterfly Sign
23	MP 101.23R	SNO ROADWAY	D	9/9/2015	Cantilever/Butterfly Sign
24	MP 101.24R	NSI ROADWAY	N/A	9/28/2015	Vierendeel Overhead VMS/Hybrid Sign
25	MP 101.24R	NSO ROADWAY	D	9/28/2015	Vierendeel Overhead Sign
26	MP 101.24R SNI	SNI ROADWAY			Butterfly Cantilever Sign
27	MP 101.53C	EXIT 13A PLAZA: ONBOUND CHOICE	D	10/6/2015	Overhead Sign
28	MP 101.54CR	EXIT 13A RAMPSL: TN / TS	D	10/26/2015	Overhead Sign
29	MP 101.65ER	EXIT 13A RAMPS: TXL / TWL	D	10/6/2015	Overhead Sign
30	MP 101.65F	EXIT 13A PLAZA	D	10/6/2015	Overhead Sign
31	MP 101.96 NSI	NSI ROADWAY			Butterfly Cantilever Sign
32	MP 101.96 NSO	NSO ROADWAY			Butterfly Cantilever Sign

Group 3 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
33	MP 102.07	NSI ROADWAY	D	9/1/2015	Overhead Sign
34	MP 102.10B	EXIT 13A ONBOUND CHOICE	D	11/27/2015	Overhead Sign
35	MP 102.11	NSO ROADWAY	D	12/3/2015	Overhead Sign
36	MP 102.49	NSO / NSI MEDIAN	D	8/17/2015	Cantilever/Butterfly Sign
37	MP 102.69	SNO / SNI MEDIAN	G	8/20/2015	Cantilever/Butterfly Sign
38	MP 102.92	NSO / NSI MEDIAN			Butterfly Cantilever Sign
39	MP 103.10	SNO / SNI MEDIAN	D	8/20/2015	Cantilever/Butterfly Sign
40	MP 103.38	SNI ROADWAY	N/A	9/11/2015	Vierendeel Overhead VMS/Hybrid Sign
41	MP 103.38	SNO ROADWAY	N/A	9/9/2015	Vierendeel Overhead VMS/Hybrid Sign
42	MP 103.44	NSI ROADWAY	N/A	9/9/2015	Vierendeel Overhead VMS/Hybrid Sign
43	MP 103.44	NSO ROADWAY	N/A	9/11/2015	Vierendeel Overhead VMS/Hybrid Sign
44	MP 103.55	SNO / SNI MEDIAN	D	8/20/2015	Cantilever/Butterfly Sign
45	MP 103.59	NSO / NSI MEDIAN	D	8/17/2015	Cantilever/Butterfly Sign
46	MP 103.85	NSO ROADWAY	G	8/17/2015	Cantilever/Butterfly Sign
47	MP 104.10 SNI	SNI ROADWAY			Vierendeel Overhead Sign
48	MP 104.12B	EXIT 14 ONBOUND CHOICE	B	9/14/2015	Overhead Sign
49	MP 104.12C	EXIT 14 ONBOUND CHOICE	B	9/14/2015	Overhead Sign
50	MP 104.15R	SNO ROADWAY	D	9/15/2015	Overhead Sign
51	MP 104.29 SNI	SNI ROADWAY			Butterfly Cantilever Sign
52	MP 104.31	SNO ROADWAY	D	9/15/2015	Overhead Sign
53	MP 104.40	EXIT 14 RAMPS: SOT / SOH	D	9/15/2015	Overhead Sign
54	MP 104.51	EXIT 14 / 14 ABC SOT	D	9/15/2015	Overhead Sign
55	MP 104.56BR	EXIT 14 RAMP SIT	D	9/16/2015	Overhead Sign
56	MP 104.56CR	EXIT 14 / 14 ABC SIT / SIH GORE	D	9/16/2015	Overhead Sign
57	MP 104.70	SNO ROADWAY (MIXING BOWL)	C-2	12/14/2015	Overhead Sign
58	MP 104.70	SNI ROADWAY (MIXING BOWL)	C-2	12/14/2015	Overhead Sign
59	MP 104.83BR	EXIT 14 / 14 ABC OFFBOUND CHOICE	D	12/28/2015	Overhead Sign
60	MP 104.83DR	EXIT 14 ONBOUND PLAZA CHOICE	D	12/14/2015	Overhead Sign
61	MP 104.83E	I-78 EXPRESS ROADWAY	D	10/27/2015	Overhead Sign
62	MP 104.83F	I-78 LOCAL ROADWAY	D	10/27/2015	Overhead Sign
63	MP 104.83G	INT. 14 PLAZA OFFBOUND CHOICE	C-3	12/8/2015	Overhead Sign
64	MP 104.83H	INTERCHANGE 14 PLAZA OFFBOUND GORE	C-3	12/14/2015	Overhead Sign
65	MP 104.83I	INTERCHANGE 14 PLAZA: ONBOUND CHOICE	C-3	10/29/2015	Overhead Sign
66	MP 104.83J	INTERCHANGE 14 PLAZA: ONBOUND CHOICE	C-3	10/27/2015	Overhead Sign

Group 3 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
67	MP 104.83K	INTERCHANGE 14 PLAZA: OFFBOUND CHOICE	C-3	10/27/2015	Overhead Sign
68	MP 104.83L	INTERCHANGE 14 OUTSIDE PLAZA	C-3	6/21/2017	Overhead Sign
69	MP 105.00	SNO ROADWAY	D	1/23/2013	Overhead Sign
70	MP 105.00	SNI ROADWAY	D	7/9/2013	Overhead Sign
71	MP 105.35	NT EXIT 14 / 14 ABC RAMP	D	4/28/2016	Overhead Sign
72	MP 105.39 NSI	NSI ROADWAY	N/A	5/16/2016	Vierendeel Overhead VMS/Hybrid Sign
73	MP 105.39 NSO	NSO ROADWAY	N/A	5/16/2016	Vierendeel Overhead VMS/Hybrid Sign
74	MP 105.40 SNI	SNI ROADWAY	N/A	5/4/2016	Vierendeel Overhead VMS/Hybrid Sign
75	MP 105.40 SNO	SNO ROADWAY	N/A	5/4/2016	Vierendeel Overhead VMS/Hybrid Sign
76	MP 105.40 TN	TN-14 ROADWAY	N/A	5/4/2016	Vierendeel Overhead VMS/Hybrid Sign
77	MP 105.61 NT	NT EXIT 14 / 14 ABC RAMP	D	4/28/2016	Overhead Sign
78	MP 105.61 SNI	SNI-SNE / SNW	D	4/27/2016	Overhead Sign
79	MP 105.62 SNO	SNO ROADWAY	D	4/25/2016	Overhead Sign
80	MP 105.62 TN	RAMP TN	D	4/25/2016	Overhead Sign
81	MP 105.75	SNO ROADWAY	D	4/27/2016	Overhead Sign
82	MP 105.92	EXIT 14 RAMP TN	D	5/18/2016	Overhead Sign
83	MP E106.02	NSE / NSO ROADWAY	D	5/18/2016	Overhead Sign
84	MP E106.10	SNI / SNE ROADWAY	D	7/19/2013	Overhead Sign
85	MP E106.19	NSE / NSO ROADWAY	D	5/18/2016	Overhead Sign
86	MP E106.29	SNO / 14 ABC MERGE	D	7/19/2013	Overhead Sign
87	MP E106.50	NSE ROADWAY (MIXING BOWL)	D	4/26/2016	Overhead Sign
88	MP E106.65R	SNE ROADWAY	D	4/29/2016	Overhead Sign
89	MP E106.77	NSE ROADWAY (MIXING BOWL)	D	4/26/2016	Overhead Sign
90	MP E106.83R	SNE ROADWAY	D	8/5/2016	Cantilever/Butterfly Sign
91	MP E106.87BR	EXIT 15E PLAZA	D	8/1/2016	Overhead Sign
92	MP E106.87C	EXIT 15E PLAZA	D	8/1/2016	Overhead Sign
93	MP E106.89B	EXIT 15E	G	8/1/2016	Cantilever/Butterfly Sign
94	MP E107.03R	NSE ROADWAY (MIXING BOWL)	A	6/25/2013	Overhead Sign
95	MP E107.17	SNE ROADWAY	N/A	6/17/2016	Vierendeel Overhead VMS/Hybrid Sign
96	MP E107.17	NSE ROADWAY			Vierendeel Overhead VMS/Hybrid Sign
97	MP E107.37R	NSE ROADWAY			Butterfly Cantilever Sign
98	MP E108.63	NSE & SNE ROADWAYS	N/A	6/17/2016	Vierendeel Overhead VMS/Hybrid Sign
99	MP E108.97	NSE AND SNE ROADWAYS	D	4/19/2016	Vierendeel Overhead VMS/Hybrid Sign
100	MP E109.19	SNE ROADWAY	D	6/3/2014	Cantilever/Butterfly Sign

Group 3 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
101	MP E109.20	NSE ROADWAY			Butterfly Cantilever Sign
102	MP E110.35	NSE & SNE ROADWAYS	D	4/19/2016	Vierendeel Overhead VMS/Hybrid Sign
103	MP E110.60	SNE ROADWAY	D	5/5/2014	Cantilever/Butterfly Sign
104	MP E110.67C	EXIT 15X PLAZA	D	5/2/2014	Overhead Sign
105	MP E110.79	NSE ROADWAY	D	5/5/2014	Cantilever/Butterfly Sign
106	MP E110.80D	EXIT 15X PLAZA	D	5/7/2014	Cantilever/Butterfly Sign
107	MP E110.80E	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
108	MP E110.80F	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
109	MP E110.80G	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
110	MP E110.80H	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
111	MP E110.80I	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
112	MP E110.80J	EXIT 15X PLAZA	Minor	5/5/2014	Cantilever/Butterfly Sign
113	MP E110.80K	EXIT 15X PLAZA	D	5/6/2014	Cantilever/Butterfly Sign
114	MP E110.80L	EXIT 15X SEAVIEW DRIVE	G	5/2/2014	Overhead Sign
115	MP E110.91	SNE ROADWAY	D	5/2/2014	Overhead Sign
116	MP E111.01	NSE ROADWAY	D	5/5/2014	Overhead Sign
117	MP E111.32	SNE ROADWAY			Vierendeel Overhead Sign
118	MP E111.55 NSE	NSE ROADWAY	N/A	4/19/2016	Vierendeel Overhead VMS/Hybrid Sign
119	MP E111.55 SNE	SNE ROADWAY	N/A	6/24/2016	Vierendeel Overhead VMS/Hybrid Sign
120	MP E111.73	NSE ROADWAY			Vierendeel Overhead Sign
121	MP E111.91	SNE ROADWAY			Vierendeel Overhead Sign
122	MP E111.91	NSE ROADWAY			Overhead Sign
123	MP E112.10R	SNE ROADWAY			Vierendeel Overhead Sign
124	MP E112.11	EXIT16 E / 18 E PLAZA	D	8/1/2016	Cantilever/Butterfly Sign
125	MP E112.58ER	RAMPS P & TE	D	9/16/2016	Overhead Sign
126	MP E112.58FR	TE RAMP	D	9/16/2016	Overhead Sign
127	MP E112.58G	16E / 18E OUTSIDE PLAZA	G	9/16/2016	Overhead Sign
128	MP E112.70	NSE ROADWAY	D	7/23/2013	Overhead Sign
129	MP E112.95ER	INT. 17E OFFBOUND CHOICE : 495E /RT 3	D	8/8/2016	Overhead Sign
130	MP E112.95FR	F ROADWAY AT ET RAMP	D	9/15/2016	Overhead Sign
131	MP E112.95GR	F ROADWAY	D	9/15/2016	Overhead Sign
132	MP E112.95H	F ROADWAY	G	9/16/2016	Overhead Sign
133	MP E113.05	NSE ROADWAY	D	8/2/2016	Overhead Sign

Group 3 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
134	MP E113.41R	NSE ROADWAY	D	4/14/2014	Overhead Sign
135	MP E113.69R	NSE ROADWAY	D	4/14/2014	Overhead Sign
136	MP E113.70	SNE ROADWAY	N/A	6/24/2016	Vierendeel Overhead VMS/Hybrid Sign
137	MP E114.49	NSE ROADWAY	C-3	8/2/2016	Overhead Sign
138	MP E115.38R	NSE ROADWAY	D	8/3/2016	Overhead Sign
139	MP E115.39R	SNE ROADWAY	D	8/3/2016	Overhead Sign
140	MP E115.62	SNE ROADWAY	N/A		Vierendeel Overhead Sign
141	MP E115.62	NSE ROADWAY	N/A		Vierendeel Overhead Sign
142	MP E116.15	SNE ROADWAY	G	8/4/2016	Cantilever/Butterfly Sign
143	MP E116.20R	NSE ROADWAY			Butterfly Cantilever Sign
144	MP E116.45	NSE ROADWAY	G	8/4/2016	Cantilever/Butterfly Sign
145	MP E116.58	SNE ROADWAY (MIXING BOWL)	C-2	5/7/2014	Overhead Sign
146	MP E116.86	NSE ROADWAY	A	5/5/2014	Overhead Sign
147	MP N0.22	HCE WESTBOUND ROADWAY	G	8/3/2016	Cantilever/Butterfly Sign
148	MP N0.26	INT 14 RAMPS NOH/TH			Vierendeel Overhead Sign
149	MP N0.32RII	HCE - HEW AND HWE ROADWAYS			Overhead Sign
150	MP N0.50RII	HCE - HEW AND HWE RDWYS, RAMPS HLT, HNO			Overhead Sign
151	MP N0.69RII	HCE - HEW AND HWE RDWYS, RAMPS HLT, HNO			Overhead Sign
152	MP N0.69RII	HCE - HEW AND HWE RDWYS, RAMPS HLT, HNO			Overhead Sign
153	MP N0.93RII	HCE - HEW AND HWE ROADWAYS			Overhead Sign
154	MP N1.10	HWE & HEW ROADWAYS	D	8/5/2016	Vierendeel Overhead VMS/Hybrid Sign
155	MP N2.35	HCE EASTBOUND NEWARK BAY BRIDGE	N/A	8/4/2016	Overhead Sign
156	MP N2.76	TURNPIKE HEW & HWE ROADWAYS	D		Vierendeel Overhead VMS/Hybrid Sign
157	MP N2.93	HUDSON COUNTY EXTENSION EB / WB	D	8/4/2016	Overhead Sign
158	MP N3.11R	HCE EB ROADWAY			Butterfly Cantilever Sign
159	MP N3.29R	HCE EB ROADWAY			Butterfly Cantilever Sign
160	MP N3.37	HCE WB ROADWAY			Butterfly Cantilever Sign
161	MP N3.49R	HCE WB ROADWAY			Butterfly Cantilever Sign
162	MP N3.53AR	EXIT 14A PLAZA (INSIDE)			Butterfly Cantilever Sign
163	MP N3.53J	EXIT 14A PLAZA (OUTSIDE)			Vierendeel Overhead Sign
164	MP N3.53K	RAMP 440 NP-TP			Vierendeel Overhead Sign
165	MP N3.53L	EXIT 14A RAMP TP - P, TE, ET			Vierendeel Overhead Sign

Group 3 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
166	MP N3.53M	EXIT 14A RAMP TP - P, TP 440 SB			Vierendeel Overhead Sign
167	MP N3.53N	CONN. RD ONBOUND			Butterfly Cantilever Sign
168	MP N3.53O	CONN. RD ONBOUND			Butterfly Cantilever Sign
169	MP N4.00W	HCE WB (HEW) ROADWAY			Butterfly Cantilever Sign
170	MP N4.16E	HCE EB ROADWAY			Butterfly Cantilever Sign
171	MP N4.40	HEW & HWE ROADWAYS	D	8/4/2016	Vierendeel Overhead VMS/Hybrid Sign
172	MP N4.96	HEW & HWE ROADWAYS	D	8/3/2016	Vierendeel Overhead VMS/Hybrid Sign
173	MP N5.20	HCE EASTBOUND ROADWAY	G	8/2/2016	Cantilever/Butterfly Sign
174	MP N5.41	HCE EASTBOUND ROADWAY	G	8/2/2016	Cantilever/Butterfly Sign
175	MP N5.51R	HCE EB + WB ROADWAY			Vierendeel Overhead Sign
176	MP N5.56CA	EXIT 14B PLAZA			Butterfly Cantilever Sign
177	MP N5.56CB	EXIT 14B PLAZA			Butterfly Cantilever Sign
178	MP N5.71	HCE WESTBOUND ROADWAY	G	8/2/2016	Cantilever/Butterfly Sign
179	MP N5.79	HCE WESTBOUND	D	8/8/2016	Overhead Sign
180	MP N5.94	HCE EASTBOUND ROADWAY	D	8/3/2016	Cantilever/Butterfly Sign
181	MP N6.04	HCE EASTBOUND ROADWAY	D	8/5/2016	Overhead Sign
182	MP N6.06W	EXIT 14C PLAZA WESTBOUND	D	8/8/2016	Overhead Sign
183	MP N6.36	HCE EASTBOUND ROADWAY	D	5/7/2014	Overhead Sign
184	MP N6.69W	HCE WESTBOUND ROADWAY			Butterfly Cantilever Sign
185	MP N6.72	HCE EASTBOUND ROADWAY	D	5/20/2014	Overhead Sign
186	MP N6.86	HWE ROADWAY (HCE EB)			Vierendeel Overhead Sign
187	MP N8.12WR	HCE WESTBOUND ROADWAY		10/19/2016	Overhead Sign
188	MP N8.25	HCE WESTBOUND (BOYLE PLAZA)	N/A	10/3/2016	Overhead Sign

SECTION XIX
Sign Structure Listing
Group 4 - OPS T3709

Group 4 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
1	MP 117.02 SN95	SN 95 ROADWAY			Overhead Sign
2	MP 117.04	NS 80 ROADWAY	C-3	6/30/2017	Overhead Sign
3	MP 117.04	NS 95 ROADWAY	C-3	6/30/2017	Overhead Sign
4	MP 117.04	SN 80 ROADWAY	C-3	6/30/2017	Overhead Sign
5	MP 117.04	SN 95 ROADWAY	C-3	6/30/2017	Overhead Sign
6	MP 117.25	SN 95 ROADWAY	C-2	7/6/2017	Overhead Sign
7	MP 117.29	NS 80 ROADWAY	A	12/7/2015	Overhead Sign
8	MP 117.29	NS 95 ROADWAY	A	12/7/2015	Overhead Sign
9	MP 117.41	SN 95 ROADWAY	C-2	7/6/2017	Overhead Sign
10	MP 117.57 SN95	SN 95 ROADWAY			Butterfly Cantilever Sign
11	MP 117.60R	NS80 ROADWAY		8/18/2015	Cantilever/Butterfly Sign
12	MP 117.60R	NS95 ROADWAY	D	3/20/2017	Cantilever/Butterfly Sign
13	MP 117.63DR	NORTHBOUND CHOICE: RT 46 E / W			Overhead Sign
14	MP 117.67BR	US 46 WB RAMPS			Overhead Sign
15	MP 117.80	SN 95 ROADWAY		12/16/2015	Vierendeel Overhead Sign
16	MP 117.85	NS80 RDWY	N/A	12/16/2015	Vierendeel Overhead VMS/Hybrid Sign
17	MP 117.89	RAMP N	N/A	12/31/2015	Overhead Sign
18	MP 118.05	NS 80 GORE: NS80 & US46	G	7/17/2017	Overhead Sign
19	MP 118.07	SN 95 ROADWAY			Overhead Sign
20	MP 118.11	SN 80 ROADWAY	D	7/17/2017	Overhead Sign
21	MP 118.24R	SN 95 ROADWAY		12/16/2015	Vierendeel Overhead Sign
22	MP 118.25	NS95 ROADWAY	N/A	12/28/2015	Vierendeel Overhead VMS/Hybrid Sign
23	MP 118.30	NS80 ROADWAY	G	5/1/2017	Overhead Sign
24	MP 118.40	SN 80 ROADWAY	D	7/18/2017	Overhead Sign
25	MP 118.40R	SN 95 ROADWAY			Overhead Sign
26	MP 118.55	NS 95 ROADWAY			Butterfly Cantilever Sign
27	MP 118.58	SN 95 EXP & SN 95 LOCAL ROADWAYS	D	9/7/2017	Overhead Sign
28	MP 118.72	NS 95 ROADWAY	D	6/29/2017	Overhead Sign
29	MP 118.74	SN 80 ROADWAY	D	6/29/2017	Overhead Sign
30	MP 118.74	SN 95 LOCAL ROADWAY	D	5/23/2017	Cantilever/Butterfly Sign
31	MP 118.88	RAMP WNL	D	3/23/2017	Cantilever/Butterfly Sign

Group 4 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
32	MP 118.90	RAMP WNL	D	3/23/2017	Cantilever/Butterfly Sign
33	MP 118.91	SN 80 ROADWAY	D	7/18/2017	Overhead Sign
34	MP 118.93	NS 95 ROADWAY	D	10/6/2015	Cantilever/Butterfly Sign
35	MP 119.05	RAMP WNL	D	6/29/2017	Overhead Sign
36	MP 119.21	DOT RAMP B	C-3	7/12/2017	Overhead Sign
37	MP 119.36	RAMP CD	D	6/29/2017	Overhead Sign
38	MP 119.39	NLW / NS 95 LOCAL ROADWAY	D	7/17/2017	Overhead Sign
39	MP 119.39	NXW / NS 95 EXPRESS ROADWAY	D	8/2/2017	Overhead Sign
40	MP 119.48	RAMP CD	D	5/12/2017	Overhead Sign
41	MP 119.60	NS 95 EXPRESS ROADWAY	D	5/12/2017	Overhead Sign
42	MP 119.60	NS 95 LOCAL ROADWAY	D	7/6/2017	Overhead Sign
43	MP 119.60	SN 95 L ROADWAY / CD MEDIAN			Butterfly Cantilever Sign
44	MP 119.70	NS 95 LOCAL ROADWAY	D	3/22/2017	Cantilever/Butterfly Sign
45	MP 119.83	NS 95 LOCAL ROADWAY	D	3/22/2017	Cantilever/Butterfly Sign
46	MP 120.00	NS 95 ROADWAY	D	5/12/2017	Cantilever/Butterfly Sign
47	MP 120.00R NL	SN95L ROADWAY	N/A	12/16/2015	Vierendeel Overhead VMS/Hybrid Sign
48	MP 120.00R NX	SN95X ROADWAY	N/A	12/28/2015	Vierendeel Overhead VMS/Hybrid Sign
49	MP 120.14	SN 95 LOCAL ROADWAY	D	3/20/2017	Cantilever/Butterfly Sign
50	MP 120.28	NS 95 EXPRESS ROADWAY	D	7/18/2017	Overhead Sign
51	MP 120.28	NS 95 LOCAL ROADWAY	D	7/17/2017	Overhead Sign
52	MP 120.65	NS 95 LOCAL ROADWAY	D	7/17/2017	Overhead Sign
53	MP 120.78	SN 95 X ROADWAY			Butterfly Cantilever Sign
54	MP 120.84	NS 95 LOCAL ROADWAY	D	7/13/2017	Overhead Sign
55	MP 120.84	NS 95 EXPRESS ROADWAY	D	7/13/2017	Overhead Sign
56	MP 120.84	SN 95 LOCAL ROADWAY	D	3/21/2017	Cantilever/Butterfly Sign
57	MP 120.95	SN 95 LOCAL ROADWAY	D	6/12/2017	Overhead Sign
58	MP 121.08	NS95L & NS95X ROADWAYS	D	3/22/2017	Vierendeel Overhead VMS/Hybrid Sign
59	MP 121.16	SN 95 LOCAL ROADWAY	G	5/1/2017	Overhead Sign
60	MP 121.32R	SN 95 L ROADWAYS		5/3/2017	Vierendeel Overhead Sign
61	MP 121.46	SN95 EXPRESS ROADWAY	D	3/20/2017	Cantilever/Butterfly Sign
62	MP 121.48	SN 95 LOCAL ROADWAY	D	6/12/2017	Overhead Sign
63	MP 121.52	NS 95 LOCAL ROADWAY	D	7/18/2017	Overhead Sign
64	MP 121.67	SN 95 L ROADWAYS		5/23/2017	Vierendeel Overhead Sign
65	MP 121.70	SN 95 EXPRESS ROADWAY	G	3/20/2017	Cantilever/Butterfly Sign

Group 4 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
66	MP 121.76	RAMP NXW	D	2/5/2016	Cantilever/Butterfly Sign
67	MP 121.80	SN 95 LOCAL ROADWAY	D	8/2/2017	Overhead Sign
68	MP 121.88	NS 95 LOCAL ROADWAY	D	9/7/2017	Overhead Sign
69	MP 121.88	RAMP NXW	D	12/30/2015	Overhead Sign
70	MP 121.90	SN 95 LOCAL ROADWAY	D	7/19/2017	Overhead Sign
71	MP 121.90	SN 95 EXPRESS ROADWAY	D	5/4/2017	Cantilever/Butterfly Sign
72	MP 121.98R	NS 95 LOCAL ROADWAY / NLW	D	9/9/2015	Cantilever/Butterfly Sign
73	MP 121.99R	NS 95 EXPRESS ROADWAY	D	8/2/2017	Overhead Sign
74	MP W106.18	NSO / NSI ROADWAY	D	12/16/2015	Overhead Sign
75	MP W106.27	NSW-NSO / NSI ROADWAY	D	10/5/2015	Overhead Sign
76	MP W106.39	NSW ROADWAY	D	12/16/2015	Overhead Sign
77	MP W106.74R	NSW ROADWAY	D	9/9/2015	Cantilever/Butterfly Sign
78	MP W106.85	SNW ROADWAY	D	5/11/2017	Cantilever/Butterfly Sign
79	MP W106.93R	NSW ROADWAY (MIXING BOWL)	D	7/11/2017	Overhead Sign
80	MP W107.11	TURNPIKE NSW ROADWAY			Overhead Sign
81	MP W107.25	SNW ROADWAY	N/A	12/28/2015	Vierendeel Overhead VMS/Hybrid Sign
82	MP W107.31R	NSW/SNW ROADWAY	D	7/11/2017	Overhead Sign
83	MP W107.57	NSW/SNW ROADWAYS	D	7/11/2017	Overhead Sign
84	MP W108.44	NSW & SNW ROADWAYS	D	4/21/2017	Vierendeel Overhead VMS/Hybrid Sign
85	MP W108.64	SNW ROADWAY	G	8/18/2015	Cantilever/Butterfly Sign
86	MP W108.75	NSW ROADWAY	D	3/23/2017	Cantilever/Butterfly Sign
87	MP W108.79B	EXIT 15W PLAZA	C-2	12/24/2015	Overhead Sign
88	MP W108.79CR	EXIT 15W PLAZA	A	7/12/2017	Overhead Sign
89	MP W108.79D	EXIT 15W PLAZA	D	12/24/2015	Overhead Sign
90	MP W108.79EA	I-280 AT TW RAMP	D	7/10/2017	Overhead Sign
91	MP W108.79EB	I-280 AT RAMPS TW & WT	D	7/12/2017	Overhead Sign
92	MP W108.79F	EXIT 15W PLAZA	D	12/24/2015	Overhead Sign
93	MP W108.90	NSO ROADWAY	G	8/27/2015	Cantilever/Butterfly Sign
94	MP W109.03R	NSW ROADWAY & NWT RAMP	D	5/11/2017	Overhead Sign
95	MP W109.12 N	SNW ROADWAY	N/A	9/23/2015	Vierendeel Overhead VMS/Hybrid Sign
96	MP W109.85	NSW ROADWAY	D	3/23/2017	Cantilever/Butterfly Sign
97	MP W110.37	SNW ROADWAY	N/A	9/23/2015	Vierendeel Overhead VMS/Hybrid Sign
98	MP W110.38	NSW ROADWAY	N/A	9/23/2015	Vierendeel Overhead VMS/Hybrid Sign
99	MP W110.49	SNW ROADWAY	D	3/23/2017	Cantilever/Butterfly Sign

Group 4 Sign List					
No.	Sign No.	Location	Flange Category	Last Inspection	Type
100	MP W110.85	NSW ROADWAY	D	3/22/2017	Cantilever/Butterfly Sign
101	MP W111.55	SNW ROADWAY	D	9/17/2015	Overhead Sign
102	MP W112.29R	SNW ROADWAY	D	5/19/2017	Overhead Sign
103	MP W112.31	NSW ROADWAY	N/A	12/28/2015	Vierendeel Overhead VMS/Hybrid Sign
104	MP W112.51	SNW ROADWAY	D	9/17/2015	Overhead Sign
105	MP W112.72ER	SWT/NWT & TSW/TNW RAMPS	D	5/18/2017	Overhead Sign
106	MP W112.72FR	EXIT 16W PLAZA OUTSIDE	D	12/9/2015	Overhead Sign
107	MP W112.72H	ROUTE 3 EASTBOUND	G	8/18/2015	Cantilever/Butterfly Sign
108	MP W112.81	NSW ROADWAY	G	8/27/2015	Cantilever/Butterfly Sign
109	MP W112.90	SNW ROADWAY	D	5/19/2017	Overhead Sign
110	MP W113.04R	NSW ROADWAY	D	5/11/2017	Overhead Sign
111	MP W113.36	NSW ROADWAY	D	3/22/2017	Cantilever/Butterfly Sign
112	MP W113.41R	SNW ROADWAY			Overhead Sign
113	MP W113.58	SNW ROADWAY	D	4/7/2017	Overhead Sign
114	MP W114.05AR	CNW RAMP	D	4/24/2017	Overhead Sign
115	MP W114.05B	RAMPS CSW / CNW / NWC	G	4/24/2017	Overhead Sign
116	MP W114.10	NSW ROADWAY	D	3/23/2017	Overhead Sign
117	MP W114.15	SNW ROADWAY	D	7/5/2017	Overhead Sign
118	MP W114.30	NSW ROADWAY	D	12/15/2015	Overhead Sign
119	MP W114.58	NSW ROADWAY	G	12/15/2015	Overhead Sign
120	MP W114.78	NSW ROADWAY	D	3/23/2017	Overhead Sign
121	MP W114.78	SNW ROADWAY	N/A	12/28/2015	Vierendeel Overhead VMS/Hybrid Sign
122	MP W114.98	NSW/SNW ROADWAYS	D	12/9/2015	Overhead Sign
123	MP W115.51R	NSW & SNE ROADWAYS	D	6/2/2017	Vierendeel Overhead VMS/Hybrid Sign
124	MP W115.74BR	SANW & SAS RAMPS	D	4/28/2017	Overhead Sign
125	MP W115.74C	WEAVE RAMP	D	4/28/2017	Overhead Sign
126	MP W115.74R	NSW/SNW ROADWAYS	G	12/9/2015	Overhead Sign
127	MP W115.89	SNW ROADWAY			Butterfly Cantilever Sign
128	MP W115.92B	SERVICE AREA 13	C-2	3/24/2017	Overhead Sign
129	MP W115.92R	NSW & SNW ROADWAYS	D	12/9/2015	Overhead Sign
130	MP W116.29	SNW ROADWAY	N/A	6/2/2017	Vierendeel Overhead VMS/Hybrid Sign
131	MP W116.50	SNW ROADWAY	C-2	12/15/2015	Overhead Sign

SECTION XX
High Mast Light Pole Listing
Group 4 - OPS T3709

Group 4 High Mast Light Pole List					
No.	Pole No.	Location	Material Type	Last Inspection	Year Installed
1	SOUMB01	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
2	SOUMB02	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
3	SOUMB03	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
4	SOUMB04	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
5	SOUMB05	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
6	SOUMB06	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
7	SOUMB07	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
8	SOUMB08	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	2008
9	SOUMB09	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
10	SOUMB10	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
11	SOUMB11	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
12	SOUMB12	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
13	SOUMB13	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
14	SOUMB14	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
15	SOUMB15	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
16	SOUMB16	Turnpike - HMLP - Location Three - Southern Mixing Bowl	Weathering Steel	2013	1993
17	I809501	Turnpike - HMLP - Location Eight - I-80 / I-95 Intersection	Weathering Steel	2013	1995
18	I809502	Turnpike - HMLP - Location Eight - I-80 / I-95 Intersection	Weathering Steel	2013	1995
19	I809503	Turnpike - HMLP - Location Eight - I-80 / I-95 Intersection	Weathering Steel	2013	1995
20	I_18W01	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1970
21	I_18W02	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1970
22	I_18W03	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1976
23	I_18W04	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1976
24	I_18W05	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1976
25	I_18W06	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1976
26	I_18W07	Turnpike - HMLP - Location Five - Interchange 18W	Weathering Steel	2013	1976
27	I161801	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
28	I161802	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
29	I161803	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
30	I161804	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
31	I161805	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962

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Group 4 High Mast Light Pole List					
No.	Pole No.	Location	Material Type	Last Inspection	Year Installed
32	I161806	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
33	I161807	Turnpike - HMLP - Location Four - Interchange 16E/18E	Galvanized Steel	2013	2005
34	I161808	Turnpike - HMLP - Location Four - Interchange 16E/18E	Galvanized Steel	2013	2005
35	I161809	Turnpike - HMLP - Location Four - Interchange 16E/18E	Galvanized Steel	2013	2005
36	I161810	Turnpike - HMLP - Location Four - Interchange 16E/18E	Aluminum	2013	1962
37	FTLRD01	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
38	FTLRD02	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
39	FTLRD03	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
40	FTLRD04	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
41	FTLRD05	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
42	FTLRD06	Turnpike - HMLP - Location Nine - Fort Lee Road Intersection	Weathering Steel	2013	Pre 1982
43	INT1001	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
44	INT1002	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
45	INT1003	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
46	INT1004	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
47	INT1005	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
48	INT1006	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
49	INT1007	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
50	INT1008	Turnpike - HMLP - Location One - Interchange 10	Weathering Steel	2013	1970
51	SA_1301	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
52	SA_1302	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
53	SA_1303	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
54	SA_1304	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
55	SA_1305	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
56	SA_1306	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
57	SA_1307	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
58	SA_1308	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
59	SA_1309	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
60	SA_1310	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
61	SA_1311	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
62	SA_1312	Turnpike - HMLP - Location Six - Service Area 13	Weathering Steel	2013	2003
63	8095B01	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
64	8095B02	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
65	8095B03	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007

Group 4 High Mast Light Pole List					
No.	Pole No.	Location	Material Type	Last Inspection	Year Installed
66	8095B04	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
67	8095B05	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
68	8095B06	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
69	8095B07	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
70	8095B08	Turnpike - HMLP - Location Ten - I-80 / I-95 GWB Approach	Weathering Steel	2013	2007
71	INT1101	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
72	INT1102	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
73	INT1103	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
74	INT1104	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
75	INT1105	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1994
76	INT1106	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1994
77	INT1107	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1984
78	INT1108	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
79	INT1109	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
80	INT1110	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
81	INT1111	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1970
82	INT1112	Turnpike - HMLP - Location Two - Interchange 11	Weathering Steel	2013	1984