

August 29, 2017

To: ALL CONSULTANTS

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

**ORDER FOR PROFESSIONAL SERVICES NO. T3610
2018 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 1
Milepost 0 to 67 and on the Pearl Harbor Memorial Turnpike Extension**

And

**ORDER FOR PROFESSIONAL SERVICES NO. T3611
2018 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 3
Milepost 105 to E118 and on the Newark-Bay Hudson County Extension**

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

Profile Code(s)	Description(s)
D280C	Bridges – NBIS Program, Complex

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 174 bridges located in the southern region and PHME (Group 1) of the New Jersey Turnpike for Order of Professional Services (OPS) No. T3610, and 63 bridges located along the Easterly alignment and NBHCE (Group 3) of the New Jersey Turnpike for OPS No. T3611.

It is the Authority's intent to engage the services of two firms through this multi-project solicitation for EOs. Professional Services are required from two eligible firms, one for Order for Professional Services No. T3610 and one for Order for Professional Services No. T3611. The Consultant shall convey their understanding of both OPS', the Authority's needs, and shall express their approach to both projects.

Project Description

The Bridge Inspection Program for the New Jersey Turnpike (TPK) consists of the inspections for 604 routine bridges and 7 major bridges. The routine bridges are divided into four (4) Groups (formerly designated as Districts). Bridges located in Groups 1 and 3 (formerly Districts 1, 2, 3, 6, and 7) are to be inspected every even year and bridges in Groups 2 and 4 (formerly Districts 4, 5, 8, and 9) are to be inspected every odd year. This Request for Expression of Interest (RFEOI) is for TPK Groups 1 and 3. A routine bridge is typically a mainline or local road structure with an average of four simple spans and a multi-stringer system which carries or spans over multi-lane/direction expressway traffic. 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.

The OPS' require the preparation of draft and final inspection reports, data collection and input by using Bentley's proprietary software for FHWA element level inspection, updating of FHWA Structure Inventory and Appraisal (SI&A) Forms, and other related work defined in the Scope of Work. See Sections XVII to XVIII for the lists and schedules of bridges to be inspected for each Group.

Project background materials (previous 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 RFEOI 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@turnpike.state.nj.us. The subject line should read "OPS Nos. T3610 and T3611, 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 report submittals; 2) FHWA SI&A and Element Level Inspection data input and updating capabilities. 3) Key personnel designated shall possess relevant training and experience demonstrating successful completion of bridge inspections and report submittals. Project Managers, Team Leaders, Diver, Load Rating Engineers and Load Rating Reviewers must meet the requirement outlined on the Authority's website at <http://www.state.nj.us/turnpike/professional-services.html> under the heading "NJTA 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.

EOI 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 affect 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 design and construction 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**

An affirmation of the firm's commitment and ability to complete the proposed work as well as any outstanding work the firm currently has 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. Prime consultants who are undergoing active fee proposal negotiations, or are being recommended by the Authority to be awarded OPS P3606 or OPS P3607, are required to provide information indicating how staff will satisfactorily complete OPS T3610/T3611 and OPS P3606/P3607 concurrently. These firms will be permitted to submit one additional page in their EOI to explain their staffing strategy.

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 EOI/TP 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 Minority and Women Business Development/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'.
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 (which is available on the Authority's website) 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 (which is available on the Authority's website) 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 (which is available on the Authority's website) 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 (which is available on the Authority's website) 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 (which is available on the Authority's website) 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. Note, for Option A, prime consultants who are undergoing active fee proposal negotiations, or are being recommended by the Authority to be awarded OPS P3606 or OPS P3607, are required to provide information indicating how staff will satisfactorily complete OPS T3610/T3611 and OPS P3606/P3607 concurrently. These firms will be permitted to submit one additional page in their EOI to explain their staffing strategy.
12. A completed SBE Form – Proposed Schedule of Small Business Enterprise Participation (which is available on the Authority's website) form. Stating the firm's intention to use SBE Certified firms as sub-consultants.
13. A completed Disclosure of Investment Activities in Iran form which is available on the Authority's website.
14. A completed Vendor Source Disclosure Form which is available on the Authority's website.
15. A completed Ownership Disclosure Form, pursuant to N.J.S.A. 52:25-24.2 which is available on the Authority's website.

EOIs that are incomplete may not be considered.

Stating in the 2018 inspection cycle, firms performing underwater inspection services under the Prime Consultant shall be considered as Subconsultants for all services within the Bridge Inspection Program. All subconsultant submission requirements and quantities shall apply, and underwater inspection firms solely listed as vendors may not be considered.

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 at: http://www.state.nj.us/turnpike/documents/code_of_ethics.pdf. By submitting an EOI, your firm will be subject to the intent and purpose of said Code and to the requirements of the Division on Ethical Standards of the State of New Jersey.

EOIs are limited to a total of twelve (12) pages (single-sided), excluding a brief transmittal letter, Organization Chart, Estimate of Man hours, NJTA Bridge Inspection Qualification Summary form, the Project Schedule, Recent Authority Project Experience form, the Affidavit of Eligibility/Disclosure of Material Litigation form, the 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. Pages in excess of these requirements will not be considered. The information shall be presented in an organized fashion and shall be categorized in accordance with the preceding submission requirements. Foldout sheets will not be permitted.

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 2:00 PM on Tuesday, September 19, 2017. 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 Section
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 Section
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 New Jersey Turnpike Authority, P.O. Box 5042, Woodbridge, New Jersey 07095-5042. E-mail inquiries to klee@turnpike.state.nj.us are acceptable. Inquiries by FAX are also acceptable. The Fax number is (732) 750-5393. The deadline for inquiries is September 5, 2017. 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 Internet website at <http://www.state.nj.us/turnpike/expressions-of-interests.html> under "Professional Services" on or before September 8, 2017. 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. T3610 and T3611 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), 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 (which is available on the Authority's website) and the selected firm's submitted EOI and Final Negotiated Fee Proposal.

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**)

Traffic Permit

Consultants are advised that the consultant must obtain (and have in its possession) a Traffic Permit, issued by the Authority's Operations Department, before the consultant will be allowed to enter the Authority's right-of-way to perform any professional services hereunder. The Traffic Permit Application may be downloaded from the Authority's internet website at <http://www.state.nj.us/turnpike/> and requires the consultant's signature agreeing to the Traffic Permit Indemnification and Waiver of Claims.

The OPS will not be entered into by the Authority unless the firm first provides proof of valid business registration in compliance with P.L. 2001, c.134 (N.J.S.A. 52:32-44). Pursuant to this law the firm is further notified that no subcontract shall be entered into by any firm under any OPS with the Authority unless the subconsultant first provides proof of valid business registration.

Very truly yours,

ORIGINAL SIGNED BY

Robert J. Fischer, P.E.
Chief Engineer

RJF:KFL:ms
Attachments

c: J. M. Keller
K. F. Lee
Review Committee
File

ATTACHMENTS

to the

Request for Expressions of Interest

Dated August 29, 2017

for

Order for Professional Services No. T3610

**2018 New Jersey Turnpike Authority Bridge Inspection Program
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Milepost 0 to 67 and on the Pearl Harbor Memorial Turnpike Extension**

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SECTION I

Prequalified and Eligible Consultants

AECOM Technical Services
Arora and Associates, P.C.
Boswell Engineering
CDM Smith Inc.
CHA Consulting, Inc.
Cherry, Weber & Associates, P.C.
CME Associates
Gannett Fleming, Inc.
Greenman-Pedersen, Inc.
HAKS Engineers, Architects and Land Surveyors, PC
Hardesty & Hanover, LLC
IH Engineers, P.C.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
LS Engineering Associates Corporation
Michael Baker International, Inc.
Modjeski & Masters, Inc.
Mott MacDonald LLC
MP Engineers, P.C.
Parsons Brinckerhoff, Inc.
Pennonni Associates, Inc.
Pickering, Corts & Summerson, Inc.
PKB Engineering Corporation
S&R Engineers, P.C.
SJH Engineering, P.C.
Stantec Consulting Services, Inc.
STV Incorporated
T.Y. Lin International
TranSystems Corporation
W.J. Castle P.E. and Associates P.C.
WSP USA Inc.

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, Technical Proposals and Fee Proposals 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 of EOIs

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 this EOI - Technical Proposal may result in cancellation of any OPS awarded by the Authority.

Rejection of EOIs

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.

Final Contract

Any OPS entered into with a selected Consultant shall be a contract that shall be satisfactory to the Authority in accordance with the laws of the State of New Jersey. It is understood that any OPS that may be awarded will be on the basis of a professional services agreement within the intent of the statutes and laws of the State of New Jersey, specifically N.J.S.A. 27:23-6.1.

Dissemination of Information

Information included in this document or in any way associated with this project is intended for use only by the Consultant 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 RFEOI 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 or Technical Proposal submitted by a firm under this EOI solicitation 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 Consultant 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	August 29, 2017
Deadline for Inquiries	September 5, 2017
Posted Responses to Inquiries	September 8, 2017
Submittal of Expressions of Interest	September 19, 2017
Recommendation to Award OPS	November 21, 2017
Notice to Proceed	January 22, 2018

Group 1

Estimated Start of Scheduled Bridge Inspections	March, 2018
End of Scheduled Bridge Inspections	August 2018
Submission of Draft Individual Reports	See Scope of Work
Submission Deadline for Final Inspection Reports	February 28, 2019
End of Potential Unanticipated Work	April 30, 2019
Project Completion	April 30, 2019

Group 3

Estimated Start of Scheduled Bridge Inspections	March, 2018
End of Scheduled Bridge Inspections	August 2018
Submission of Draft Individual Reports	See Scope of Work
Submission Deadline for Final Inspection Reports	December 31, 2018
End of Potential Unanticipated Work	April 30, 2019
Project Completion	April 30, 2019

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. All correspondence, invoices and transmittals for the project shall be referenced by the NJTA's Order for Professional Services Number.
3. 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 bridge inspection submission schedule which includes but may not be limited to the following fields: Inspection Date, 2 Week Submission, 90 Day Submission/Draft Report Submission, Final Report Submission, 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.
4. 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.
5. Invoices are required to be submitted on a monthly basis.
6. 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 two week 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.

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 2018 NJTA Bridge Inspection Program for TPK – Group 1 and TPK – Group 3 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, SI&A and FHWA Element Level bridge inspection coding interpretation, inspection report format and content. The Technical Manager will be responsible for unscheduled field audits for compliance of inspection personnel and procedures, review of sample draft inspection reports and limited audits of Bentley (InspectTech) data entry, SI&A updates and FHWA Element Level bridge inspection codings. 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, schedule and submittals.

The Authority's Liaison Engineer and the Technical Manager will arrange coordination meetings with all 2018 NJTA Bridge Inspection Consultants to establish consistent inspection procedures, coding guidelines, and report format. The Consultant shall include two (2) half a day coordination meetings at the Authority's Administration Building in the estimate of work hours in the EOI and Fee Proposal.

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, Conrail, Norfolk Southern, CSX, NJ Transit, Amtrak, 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. US Coast Guard shall be notified at least 30 days prior to the inspection of any bridge over a navigable waterway.

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

A. New Jersey Turnpike Authority (NJTA)

NJTA Standard Specifications 2016
NJTA Design Manual
NJTA Standard Drawings
Structural Repair Programs
Emergency and Priority 1 Repair Definitions
Authority Deficiency Category Definitions
Bridge Inspection Security Measures
Manual for Traffic Control in Work Zones
LRFR Load Rating Manual, version 9.2
NJTA Sign Structure Inspection Procedures, Revision 2, February 2016

B. Structure Nomenclature/Inspection Methodology

Federal Highway Administration (FHWA)

Culvert Inspection Manual, 1986, FHWA-IP-86-2
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

New Jersey Department of Transportation (NJDOT)

Bridge Element Inspection Manual, Revision 1, February, 2015.
Underwater Inspection and Evaluation of NJ Bridges Guidelines Manual, June 1994 Edition with August 2008 Revisions.

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)

E. Structure Inventory and Appraisal

Federal Highway Administration (FHWA)

Recording and Coding Guide for Structure Inventory and Appraisal of the Nation's Bridges, December 1995, FHWA-PD-96-001, and Errata Sheet, March 2004

New Jersey Department of Transportation (NJDOT)

Recording and Coding Guide for Structure Inventory and Appraisal of New Jersey Bridges, 2003 Edition
with May 2008 Interim Revisions

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 bridge 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 this 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 bridge 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 bridge inspection assignments involving lane and half ramp closings.

- F. For bridge inspection work over active railroad lines (NJ Transit, Amtrak, Conrail, CSX, Norfolk Southern, Shared Assets, etc.) the Consultant shall have their Team Leaders and Inspectors complete safety training as required by the respective outside agency. The Consultant shall obtain railroad permits, and flagging services necessary to access and perform inspections. For purposes of estimating the costs for permits, flagging, and inspection services, the Consultant shall assume a value of \$10,000 for Group 1 and \$10,000 for Group 3, unless upon review of all requirements it is expected to exceed these values. The estimated expense shall be listed separately in the Fee Proposal. The Authority's Liaison Engineer will make initial contact to establish proper channel of communication and resolve possible technical issues with railroads.
- G. 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.

- H. 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 cursory ground level surveys requiring a TMA. Short duration shoulder closings shall conform to Standard Drawing No. TP-7.
- I. 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.
- J. The Consultant shall furnish specialized equipment as needed to perform bridge inspections. Reimbursement for special inspection equipment will be made as a direct expense.
- K. 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.
- L. 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.
- M. Unanticipated Work

The Consultant shall provide in the EOI and Fee Proposal an additional 750 hours for each OPS for unforeseen emergency inspection, load rating, 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. 150 hours of the 750 hours shall be set aside specifically for load rating updates (not new load ratings) based on as-inspected conditions, primarily due to section loss. As the biennial inspections are completed, the Consultant shall compare as-inspected conditions to the information in the load rating reports for each bridge, and submit a list of bridges and their load ratings to be updated for Authority review and approval. The updates shall be made using existing load rating files, by key personnel meeting the requirements of the NJTA LRFR Load Rating Manual.

For routine bridges, LRFR load ratings shall utilize the most current version of AASHTOWare Bridge Rating (BrR) analytical software. For complex bridges that cannot be modeled in BrR, LRFR load ratings shall utilize other appropriate software specified in the NJTA LRFR Load Rating Manual. Proposers are advised

that since 2015, the costs associated with obtaining BrR and any other LRFR load rating software licenses will no longer be reimbursed by the Authority as a direct expense.

Proposers are further advised that the Authority recently acquired the BrR Unlimited Option as a member agency, which allows consultants to obtain single copies of BrR at the current price of \$4,600 per workstation.

Starting in 2018, routine sign structure inspections are separated from the bridge inspection scope for the New Jersey Turnpike. As such, there is no sign structure inspection scope for OPS Nos. T3610 and T3611, and any inspections for signs will be performed as an unanticipated task.

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.

- N. All team leaders shall notify the Authority 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

Bridge Inspection Scope

- A. The services to be furnished by the Consultant shall include, but not necessarily be limited to, the following items of work:

The New Jersey Turnpike Bridge Inspection Program consists of the inspection of 604 routine bridges and 7 major bridges along the entire length of the roadway. The 604 routine bridges are divided into four (4) Groups, two in the southern region (Groups 1 and 2) and two in the northern region (Groups 3 and 4). Bridges in Groups 1 and 3 will be inspected in every even year. Bridges in Groups 2 and 4 will be inspected in every odd year. **Only Groups 1 and 3 are scheduled for inspection in OPS Nos. T3610 and T3611.** However, the Consultant will be required to perform cursory inspections of Groups 2 and 4 bridges with Category A deficiencies reported in 2017. The estimated hours for these cursory inspections shall be included in the Unanticipated Work hours.

There are 5 structures (Structure No. MP 3.93 in Group 1 and Structures Nos. MP N3.53E, MP N3.53FR, MP N3.53H, and MP N3.53I in Group 3) requiring first cycle inspection. All the structures will require new or update the existing NBI/NJDOT codings and Element level inspection and Structure No. MP 3.93 will require new LRFR load rating.

Structure No. MP 3.93 is a box culvert and has been reclassified as an NBIS structure since the structure length is more than twenty feet.

Structures Nos. MP N3.00, MP N3.24, and MP N3.53C are being widened with deck reconstruction. All the structures will require to update the LRFR load ratings and also new or update the existing NBI/NJDOT codings and Element level inspection.

Structures Nos. MP N3.00, MP N3.24, MP N3.53C, MP N3.53E, MP N3.53H, and MP N3.53I are estimated to be open to traffic in December 2017. Structure No. MP N3.53FR, the TE roadway has been opened to traffic in December 2016 and the ET roadway is estimated to be open to traffic in November 2017. Inspections for all these structures shall be scheduled around the completion dates as deemed appropriate.

1. For each bridge listed in SECTION XVII and XVIII, the Consultant shall perform a routine biennial inspection on or prior to the previous inspection date. NJTA approval is required for inspections more than 7 days prior to the anniversary date.
2. Fracture Critical Members (FCM) inspections are required for 13 bridges in Group 1 and 9 bridges in Group 3. The inspection of FCMs shall be in accordance with this section, Part D.4, Fracture Critical Member Inspection Report, and shall be performed at the time of the routine biennial inspections. The FCM inspections are in addition to the requirements of the routine biennial inspections (not in place of).
3. The Consultant shall review and adhere to the Authority's Emergency and Priority 1 Repair procedures, for the reporting of potential Category A deficiencies.
4. For bridges over waterways, the Consultant shall probe and check for possible scour and footing undermining conditions along the face of each abutment and pier. The Consultant shall also take soundings at ten (10) foot intervals along both fascias and along the longitudinal centerline of the bridge. Provide a streambed cross-section showing the streambed below both fascias and the longitudinal centerline of the bridge. Water level, at the time of inspection, shall be shown on the cross-section relative to a reusable known reference elevation. Baseline streambed profiles shall be shown on the drawings to assess long-term movement. If tidal flow is present, both mean high and low water level shall be shown.
5. For the bridges indicated on the attached list (5 bridges in Group 1 and 3 bridges in Group 3), the Consultant shall perform an underwater inspection of those portions of the abutments and piers that are below mean low water. This inspection shall be a hands-on inspection performed by a qualified dive team. A Professional Engineer, licensed in the State of New Jersey, shall be present when the underwater inspection is performed. A diving report containing observations of noted conditions shall be submitted. The inspection shall be a Type 2 classification in accordance with NJDOT's Underwater Inspection Evaluation of New Jersey Bridges Guideline Manual, June 1994, and all associated revisions. The underwater inspections are in addition to the requirements of the routine biennial inspections (not in place of) and shall be performed at the time of the initial routine bridge inspection.

The minimum size of a dive team shall be three (3) as follows:

- I. Commercial Scuba Air Diving
 - a. Designate Person-in-Charge (DPIC)
 - b. Standby Diver
 - c. Diver (line tended)
- II. Commercial Surface – Supplied Air Diving
 - a. DPIC
 - b. Diver
 - c. Tender

The requirements for diver and dive team training are as follows:

The diver shall have successfully completed NHI Course No. 130091 – Underwater Bridge Inspection within the last 5 years. The diver/diver team's NHI certificate shall be submitted with the EOI. The diver shall be commercially trained at an Association of Commercial Diving Educators (ACDE) accredited school complying with the requirements of ANSI/ACDE-01-1993, "Commercial Diver Training – Minimum Standard". A military diving school meeting the same standards is also acceptable training.

In lieu of meeting the requirements of above, a diver may be trained through either field experience or a combination of formal diving training and field experience. The OSHA diving standard (29-CFR 1910.410) specifies that all dive team members (i.e., divers and support employees involved in diving operations including the DPIC) must have experience or training in the use of tools, equipment, systems, techniques, diving operations and emergency procedures which pertain to their assigned tasks and diving modes (i.e., scuba diving on air, surface supplied diving on air or mixed gas diving). Additionally, dive team members who are exposed to hyperbaric conditions (e.g., diver) or control the exposure of others to hyperbaric conditions (e.g., DPIC or decompression chamber operator) must be trained in diving related physics or physiology. The level of training required by the standard depends upon the particular experience or function an employee fulfills on a dive team, the specific underwater operational tasks being performed and the diving mode to which the employee is assigned.

Records of all diver or dive team training shall be maintained by the diving company and shall be available for inspection.

All dive team members shall be trained in cardiopulmonary resuscitation and standard first aid (American Red Cross Standard).

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@turnpike.state.nj.us. All latest directives and clarifications are available via <http://www.state.nj.us/turnpike/InspectTech/IT.pdf>.

The Consultant will be responsible for becoming proficient with InspectTech, including updates. The NJTA will provide training and assistance to all bridge inspection consultants. The Consultant shall include the costs associated with a full day training session for key staff and any other effort associated with using InspectTech in their Fee Proposal.

C. Inspection Scope

The inspections require full observation of each structure from the ground, supplemented where necessary by boat work or snooper platform for long, over water or high structures not adequately observed from available vantage points. In addition, a visual close up inspection of pier top areas via ladder, bucket truck, snooper, or boat access is required. This shall entail the inspection of all bearings (including cantilevered piggyback arrangements), underdeck joint assemblies, pier top and abutment bridge seat areas and bearing pads.

Estimates are made of visible surface spalls and underdeck checkerboard cracking areas (in square feet) and their above/below deck relationship for the purpose of monitoring deck conditions based on visible inspection only. These deck areas are noted on a lane/span basis. Other deficiencies are noted with approximate measurements for the sole purpose of establishing degree of magnitude/importance. Bearings are observed at documented air and steel temperatures for position and function. Individual bearing measurements are not taken as part of this inspection; rather only those measurements deemed appropriate at abnormal or deficient bearings.

For first cycle bridges, the Consultant needs to provide measurements and photos for the structures crossing local roads. Photos should be framed by both substructure units. Annotate photos (using photo software or MS Word) to include roadway names, structure milepost and name, date photo taken, and minimum vertical clearances at each shoulder line citing near or far fascia (NF/FF). Provide a rough field sketch of all clearance measurements taken (shoulder lines and skip lines not requiring traffic control) including minimum vertical and lateral clearances.

For second cycle inspections and later, elevation photos are already available through Bentley (InspectTech). The Consultant shall update the clearances as follows:

Structures over the Mainline and Ramps – Underclearance measurements obtained by Lidar shall be provided by the Technical Manager if available. The Consultant shall update the clearance photographs and the SI&A data as necessary. The Consultant shall notify the Technical Manager if Lidar data is missing.

GSP Mainline over Roads, Railroads, etc. – The Consultant shall field verify the elevations and update the clearance photographs, and the SI&A data as necessary.

All bridge appurtenances are included as part of the inspection, including but not limited to: bridge/fascia mounted sign structures or noise barriers, right-of-way fencing, substructure protection, guide rail/barriers, utilities and supports attached to the structure, approaches and approach protection features within 50 feet of the bridge abutments.

Category A Deficiencies - The Consultant shall notify the Authority's Liaison Engineer and the Technical Manager whenever a new Category A deficiency is detected, via an email with photos. Upon confirmation of the new Category A deficiency, the Consultant shall issue and file the Category A notification through the Authority's BridgeInspect Collector System. For previously reported Category A deficiencies to be monitored under this assignment, the Consultant shall visit the bridge site, perform a cursory check of the noted deficiency, and take notes and photographs from the same angle as depicted in the previous Category A report. A new Category A report shall be generated by the Consultant referencing the original report date, no matter whether condition has worsened or not.

Courtesy Structures - Certain structures owned by other agencies that intersect the New Jersey Turnpike and Garden State Parkway are included in the biennial inspections, for the safety and convenience of the Authority and its patrons. For those structures spanning the Turnpike and Parkway roadways which are owned by other agencies, a courtesy inspection is undertaken using the inspection forms only for those spans within Authority right-of-way. The courtesy inspection is limited in scope to underdeck, fascia, substructure and utility items which may include potential Category A deficiencies. Follow the Category A Deficiencies procedures stated in the above paragraph for reporting and filing of the condition. A visual close-up inspection of pier top areas via ladder, snooper or boat access is not required for these courtesy structures. Element Level

Inspection data and SI&A condition updates will not be necessary, however, the Consultant will be required to update SI&A Codes AE (Alternate Agency) and AF (Alternate Structure Number) for each courtesy structure in this assignment (see Part E).

D. Bridge Inspection Reports

1. Report Format

The Consultant shall submit a draft report for each bridge 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 bridges in each Group. In addition to the format reports, 25% of the draft reports from each Group (40 bridges for Group 1 and 15 bridges for Group 3) 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 2017, the Authority is using a new bridge 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 majority of the document pages shall be generated in InspectTech through new forms and report sections. Other pages (Load Rating Summary Sheet, Section Loss Documentation, Clearance, Soundings, FCM Inspection Report, Underwater Inspection Report) shall be generated outside the program or pulled from previous cycles and inserted as additional sections.

Category A reports for Emergency and Priority 1 items 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
- Load Rating Summary Sheet*
- General Information/Inspection Information
- Conclusions and Recommendations
- Approach
- Deck 1 (General)
- Deck 2 (Joints)
- Deck 3 (Top of Deck)
- Deck 4 (Underdeck)
- Superstructure 1 (General & Superstructure)
- Section Loss Documentation*
- Superstructure 2 (Bearings)
- Bearing Deficiency Matrix (Inventory Information Only)
- Substructure 1 (General & Abutment)
- Substructure 2 (Piers)
- Culvert
- Waterway
- Bridge Security Features

- Photographs
- Elements
- SI&A Sheets
- Clearance*
- Soundings*
- FCM Inspection Report*
- Underwater Inspection Report*
- Category A Report

Field notes are organized into checkbox groupings taken from the former bullet forms. For each grouping, there are up to six different defects. Each defect is classifiable as N/A, Category A (Emergency), B/C (Contract) or D (Maintenance). Short notes, quantities and photo references are also included. Repeatable information such as spans and joints are collected in repeater groups which are limited to 100. For long bridges and viaducts, supplemental forms will be made available to collect the additional information.

b) Report Section Descriptions

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

General Information / Inspection Information – Team leader, inspectors, equipment, MPT, temperature, inventory information.

Conclusions and Recommendations – Overall Condition, Upgrade/Downgrade, Load Rating, Scheduled/Ongoing/Completed Work, FCM, Type 1 Underwater Inspection Statements. Description of Deck, Approaches, Superstructure, Substructure, Waterway, Safety Features, Other and Category E.

Approach – Roadway, Sidewalk/Safetywalk/Curb, Barrier, Guide Rail, Embankment, Noise Barrier, and Other.

Deck 1 (General) – Median, Sidewalk/Safetywalk/Curb, Bridge Rail, Parapet Protective Fencing, Drainage Inlets, Lighting Standards and Junction boxes, and Noise Barrier.

Deck 2 (Joints) – Headblock/Sleeper, Hot Pour Approach Joints, and Repeater Group for Deck Joints.

Deck 3 (Top of Deck) – Rideability, Overlay Type, Overlay Appraisal, Repeater Group for Spans.

Deck 4 (Underdeck) – Deck Type, Percent SIP, Repeater Group for Spans.

Superstructure 1 (General & Superstructure) – Coating Condition, Structural Connections, Catwalks/Ladders/Hatches, Drainage/Span Piping, Utility Lines/Support, Underbridge Lighting, Bridge Mounted Sign Structures, Repeater Group for Spans.

Superstructure 2 (Bearing) – Repeater Group for Bearing Lines.

Bearing Deficiency Matrix (Inventory Information Only) – The bearing deficiency matrix is included for inventory information only.

Substructure 1 (Abutment/Wingwalls) – Abutment Slope, Substructure Protection Features, Right of Way Security, Drainage, Underwater Foundations, Repeater group for Abutment/Wingwalls.

Substructure 2 (Piers) – Repeater Group for Piers.

Waterway/Channel – Waterway/Channel, Countermeasures, Fender System, Navigation Lighting: Span Mounted, Navigation Lighting: Fender Mounted.

Culvert – Roof Slab, Floor Slab, Sidewall, Centerwall, and Wingwall.

Security Features – Security Fencing, Box Girder Access, Major Bridge Security Features.

c) Photographs

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

GENERAL PHOTOS: Elevation (2), Approach (2), Top of Deck, Under Deck, Waterway (2).

DEFECT PHOTOS: Approach, Deck, Superstructure, Bearings, Substructure, Misc. (Cat D., Utilities).

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

Utility Photos are required for all utilities on a bridge. Photographs shall be clear enough to identify utility lines, casing, and supports, and be at a distance that shows the relative location of the utilities on the structure. Captions shall include direction and orientation of the photo stating location of lines. Separate photo is not necessary if above criteria are met in an existing photo. If utility is not captured within existing general, work done or defect photos, include a separate photograph at the end.

Note that photo references are not linkable to fields. Photo number references should therefore be manually entered after the photographs are numbered. Photographs are required for all Category A, B/C or D defects (repairable defect).

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 bridge repair contracts.

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

When improvements are underway at a 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 2017 and 2018.

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

d) SI&A

FHWA SI&A forms are scheduled to be updated for all New Jersey Turnpike bridges in Groups 1 and 3. All SI&A data required by the Authority as described below will be submitted to NJDOT. It is noted that except for first cycle bridges, the BridgeInspect Software was populated with SI & A data from the 2016 bridge inspection program. The consultant shall update the SI&A data, and run the error check and Sufficiency Rating calculation utilizing Bentley (InspectTech) software. The Authority will transmit SI&A data directly to NJDOT's COMBIS system within the Bentley (InspectTech) system.

The tasks involved in updating the forms include:

- a. Addressing Federal Coding Items 1 to 116 (inclusive).
 - Code Item 100 (STRAHNET Route) in accordance with FHWA memo dated February 9, 2001. Item 6B shall no longer be coded as per FHWA errata sheet.
 - Code Items 11, 12 and 13 using NJDOT Straight Line Diagrams and Appraisal of New Jersey Bridges.
 - Code Items 10, 47 and 54 for all sheets (Sheet 2 or A through Z).
 - Code Item 21 as State Toll Agency (31).
 - The Authority will update all state and federal load rating fields. Consultant shall verify that the ratings on the Load Rating Summary sheet match the SIA data and will notify the Authority if they do not match.
- b. Completion of State Coding Items as follows:

Requirements for Sheet 1

<u>Item No.</u>	<u>Name</u>
(M84)	Degree latitude
(M85)	Degree longitude
(A)	Town
(AA)	Route
(AB)	Structure Name
(AE)	Owner
(AE)	Owner 2
(AF)	Alt. Structure #
(AG)	Rail Type
(AK)	Abutment
(AL)	Pier
(AM)	Depth of Fill
(AV)	Widened Struct. - 1st Widened Design
(AV)	Widened Struct. - 1st Widened Mat.
(AV)	Widened Struct. - 2nd Widened Design
(AV)	Widened Struct. - 2nd Widened Mat.
(BA)	Apr. Roadway Cond.
(BC)	USRA Code

(BE)	Rail Milepost
(BR)	<i>Load Ratings: HS Tons</i>
(BV)	<i>Load Ratings: Military: RF</i>
(CB)	<i>Load Ratings: HS Tons</i>
(CF)	<i>Load Ratings: Military: RF</i>
(CG)	<i>Load Type- Load / Tons</i>
(CI)	Cycle Number
(CJ)	Inspection Type
(CM)	Consultant
(CP)	Federal Report
(FV)	Route Milepost
(BQ)	<i>Load Ratings – H</i>
(BS)	<i>Load Ratings - 3</i>
(BT)	<i>Load Ratings - 3S2</i>
(BU)	<i>Load Ratings - 3-3</i>
(CA)	<i>Load Ratings - H</i>
(CC)	<i>Load Ratings - 3</i>
(CD)	<i>Load Ratings - 3S2</i>
(CE)	<i>Load Ratings - 3-3</i>

All the State load rating fields indicated in italic above will be coded by NJTA. The Consultant shall verify the data.

Requirements for Sheet 2 or A through Z

<u>Item No.</u>	<u>Name</u>
DJ	Minimum Vertical Underclearance Including Shoulders
SRI	State Route Identification including Ramp Identifiers

The Consultant shall notify the Authority of coding downgrades from above a four (4) or upgrades from less than or equal to a four (4) for Federal Codes 58, 59 and 60.

e) Bridge Element Level Inspection

In accordance with 23 CFR 650 Subpart C, the Authority will collect element level data for all of its NBIS bridges since the 2015 Bridge Inspection Program. Bentley has developed the Element Level Inspection Data Input module within the BridgeInspect software for the Authority. Bridge Element Level inspection data will also be transmitted directly to NJDOT's COMBIS system within the Bentley (InspectTech) system.

The Consultant shall perform the element level inspection concurrently with the routine NBIS inspection for each bridge within the scope of this assignment. The Consultant shall refer to the AASHTO Manual for Bridge Element Inspection and NJDOT Bridge Element Inspection Manual for element descriptions, quantity calculations, and condition state definitions.

The Consultant shall cross check inputs for condition states and quantities for a particular element with its corresponding input in the bridge inspection forms and SI&A item condition ratings to ensure consistent inputs.

2. Fracture Critical Member (FCM) Inspection Report

The Consultant shall prepare a separate FCM inspection report for each bridge designated for an FCM inspection (see Section XVI and XVII). The report shall be appended to the end of the regular bridge inspection report and contain the following sections:

- a. Scope of Inspection
- b. Conclusions and Recommendations
- c. Inspection Findings and Photographs. This section shall include standard descriptions, inspection findings, photographs, diagrams, and FCM location plans. Photographs shall be in color and include general view of the FCM as well as deficiency photos with quantified descriptions. These specific photographs shall be labeled “FCM Photo” with separate numbering so as not to be confused with the standard photograph section’s numbers. Diagrams shall depict the plan and elevation views and the cross section of the FCM. The FCM location plan shall clearly identify all FCMs on each individual bridge.

FCM inspections are limited to bridges with box girders, plate girders, two-girder girder systems, or other non-redundant structural members. The FCM inspection requires full hands-on inspection of all surfaces and weldments of the box girders (interior and exterior) and plate girders, including their major bearings and critical uplift anchor bolt assemblies. Also included are bearing, joint, and structural steel conditions for span ends supported by the box girders or framed integral therewith. For welded construction, tension and stress reversal zones shall be examined for presence of tack welds; welded erection aids; groove weld backup bars; plug welded holes; and other weld details. Special attention shall be paid to any AASHTO Fatigue Category D, E, or E' weld details. Paint shall be removed from areas if applicable (inside and outside the box) of suspected cracks to perform non-destructive testing if deemed necessary. The areas where paint has been removed and cleaned shall be spray coated by the inspector with a rust inhibitor. Non-destructive testing, liquid penetrant (PT), or as recommended, shall be performed on a sampling basis for FCMs with Category D, E, or E' details. The locations and number of such details shall be identified, delineated and documented by the Consultant. Prior to any non-destructive testing, a recommended list of locations shall be submitted to the Authority's Liaison Engineer for approval. **Structure No. MP E113.16 will require Ultrasonic testing at the hinge pins.** The estimated expense for non-destructive testing shall be listed separately in the Fee Proposal.

The team leader for FCM inspection shall have taken the NHI FCM inspection course (FHWA-NHI-130078) within the last 5 years.

Measurements shall be taken of all stringer bearings supported on box girder bearing shelves and box girder bearings. Pin and hanger or hinge pin conditions, clearances, and positions shall also be documented.

Structure No. 105.18, several spans are ironbound by Conrail tracks limiting access for hands-on inspection. Through coordination with Conrail, access ramps have been created to allow deployment of inspection equipment into these ironbound areas for full inspection of the associated superstructure and substructure from the ground. Area between Pier 3 through Pier 7 (Site No. 1) is bound by Conrail's Southern Connections Tracks #1 and #2 and Turnpike Interchange 14 Ramp SOT, and area between Pier 8 through Pier 10 (Site No. 2) is bound by Conrail's Southern Connections Tracks #1 and #2, Conrail's Northern Connection Track #1 and Conrail's Greenville Running Tracks #1 and #2. A contractor shall be obtained for performance of the work noted below to obtain access into Site Nos. 1 and 2.

To access Site No. 1, the contractor shall 1) Install a proper right shoulder closing on Interchange 14 Ramp SOT; 2) Disassemble the removable guide rail along the right shoulder to gain access to the stone ramp; 3) Provide a truck with mounted attenuator to protect the exposed end of guide rail; and 4) Reassemble the removable guide rail after the inspection equipment has been delivered. Repeat Steps 1 through 4 upon completion of the bridge inspection for removal of the inspection equipment.

To access Site No. 2, the contractor shall 1) Pick up the temporary timber track crossing from storage at the NJTA Northern Division Headquarters; and 2) Install the timber track crossing and supplemental ballast at the location of the stone access ramp under supervision of a Conrail flagger; 3) Immediately remove the timber track crossing and supplemental ballast after the inspection equipment crosses the tracks; and 4) Return the timber track crossing to the NJTA Northern Division Headquarters for storage. Repeat Steps 1 through 4 above upon completion of the bridge inspection for removal of the inspection equipment. Please note that an on-site Conrail flagman will be required for the full duration of the ground-based inspection operations within area between Pier 8 through Pier 10 as access to the associated equipment and infield area is only possible by crossing the railroad tracks.

Coordination with Conrail is required for access into both Sites and will include the acquisition of a Right-of-Entry permit and Conrail Railroad Safety Training for all personnel, including the contractor, who will be on Conrail property. Please contact Maria Bourassa, Manager - Engineering Contracts with Consolidated Rail Corporation, 1000 Howard Boulevard, Mt. Laurel, NJ 08054 at (856) 231-2454 regarding the Right-of-Entry permit and the Safety Training.

Check closely (hands-on) at both Sites, particularly the superstructure spans, since access has been limited to only visual inspections using binoculars in the past. The estimated expenses for the contractor shall be listed separately in the Fee Proposal.

Confined Space Entry Requirements:

1. The Team Leader and Inspector shall attend a training course for confined space inspections, and submit evidence of training certification to the Authority. Firms such as Leading Edge Safety and Health, LLC, (732) 223-7800, offer training course on safety of confined space entry.
2. During the FCM inspection, interior air shall be monitored from the outside by a person certified for first aid from a firm certified for the interior air monitoring.
3. A second inspector shall be at the entry opening with a two way radio to stay in contact with the entrants inside the confined space.

3. Format Report Submission

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

4. Draft Report Submission

The Consultant shall bundle draft report submission in groups of 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.

E. Electronic Deliverables for Final Reports

Hard copies of reports are not required to be submitted. Bridge inspection report files shall be provided on DVD, flash drive or other acceptable media. Each of the reports shall be named (GSP or TPK)_BridgeInspectionReport_Structure Number.file extension. Examples include “GSP_BridgeInspectionReport_28.0S.pdf”, and “TPK_BridgeInspectionReport_W106.26AR.pdf”. All reports shall be placed together in one folder or subfolder set up specifically for bridge inspection reports only. Working files for FCM Inspection Reports, Underwater Inspection Reports, Section Loss Sheets, etc. shall also be included under a separate folder titled “Working Files”.

F. Authority Deficiency Category Definitions

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 “Emergency and Priority 1”

Deficiencies that require immediate attention on an emergency or priority basis with prompt notification given to the Authority.

Refer to Subsection G below for Emergency and Priority 1 definitions.

Under the Authority’s BridgeInspect Collector System, a Category A report (letter) is issued for each item and distributed to Engineering and Maintenance for notice and prompt action.

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. Under this category are the following types of repair work: steelwork and connection repairs; bearing repairs including seismic retrofits; substructure spall and crack repairs; block and concrete slope repairs; fender repairs; superstructure repainting; drainage system cleaning and repairs; handrail repairs; local-road-over guide rail improvements; etc.

CATEGORY C “Deck Work”

Full-depth concrete deck replacement and related interim repairs that are recommended to be undertaken by deck contract under the appropriate Capital Budget Project.

Bridge deck repair work that is considered to be in this category includes the following work: full-depth concrete deck replacement; extensive permanent concrete deck spall repairs; extensive

parapet, safetywalk and median spall repairs or upgrades; joint rebuilding; header reconstruction; membrane installation; milling and resurfacing work.

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, housekeeping, accident clean-up, and repair work that includes all roadway / bridge lighting facilities; navigation lighting; emergency deck failure repairs; roadway pothole repairs; concrete median collision repairs; overlay crack sealing; all delineator / milepost / signing repairs; earth and stone slope and ditch repairs; bridge fencing repairs; mainline and ramp guide rail work; inlet cleaning; sweeping; line striping; communication / detector loop repairs; and right-of-way maintenance, landscaping, and security items.

** Some of these items are no longer undertaken by Maintenance Forces. Final decision on the disposition of repair tasks by Contract or Maintenance Forces is left to the New Jersey Turnpike Authority Engineering Department.*

CATEGORY E “Monitor”

Noted deficiencies or existing conditions that are considered long-term or slow developing and do not require remedial action at the present time but are defects and as such, should continue to be monitored so that appropriate remedial action can be implemented should it become essential or economically efficient.

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 shrinkage or settlement cracks, surface scaling; isolated or slightly abnormal bearing devices; steelwork corrosion / paint deterioration; pavement rutting and wear; superstructure / substructure / approach misalignments or subsidence; etc.

G. Emergency and Priority 1 Repair Definitions

The Consultant shall notify the Authority’s Liaison Engineer and the Technical Manager at the time of inspection regarding any conditions deemed an Emergency or Priority 1 based on the definitions provided below, and file the conditions to the InspectTech BridgeInspect Collector System after obtaining concurrence from the Authority’s Liaison Engineer.

Emergency

Major defects in the superstructure or substructure which, if not repaired immediately, may require closing the bridge or a portion thereof and could lead to a total collapse of the structure. Included in this category are defects affecting the structural integrity of the bridge.

In many instances it may be necessary to block off the affected area or close the bridge entirely until the repairs are made. Also, defects which, in the judgment of the engineer, require immediate attention in order to eliminate significant safety hazards to the traveling public. Generally, the superstructure (SI&A Item #59), substructure (SI&A Item #60) or culvert (SI&A Item #62) are found to be in critical condition and are coded 2 or less in the Structure Inventory and Appraisal Sheet.

Repairs under the Emergency category must be done as soon as possible. When delays are unavoidable, the use of temporary repairs must be considered and utilized whenever possible. In all cases, the repairs must start no later than fourteen (14) days from the date of notification of Maintenance Engineering. However, most repairs should be started within three (3) days of notification.

Examples

1. Crack in a non-redundant primary load carrying steel member.
2. Substantial (more than 50%) undermining of the bearing area of a non-redundant member.
3. Deterioration or other conditions which may cause a main load carrying member to become unstable.
4. **Underdeck fractures located above the traveled roadway, railways, or sidewalks.
5. Missing sections of bridge railings.
6. Localized failure of bridge deck or sidewalk.

** The Consultant shall remove loose concrete if fractured areas are reachable and removable by hand tools. The Consultant shall mark the fractured area with spray paint and take two photos of the area, one close-up, and one at a distance to indicate the location of fracture relative to span framing or feature crossed.

Priority 1

Major defects in the superstructure or substructure which, if not repaired, may cause a significant load restriction or partial collapse of the structure.

Included in this category are defects affecting the stability of the structure. In many instances, it may be necessary to post load or speed restrictions or to partially or completely block off the affected area to vehicular traffic until the repairs are made.

Also, include defects which, in the judgment of the engineer, need immediate attention to maintain the level of service it served or to ensure the safety of the traveling public. Generally, superstructure (SI&A Item #59), or substructure (Item #60) or culvert (Item #62) under elements are found to be in poor condition and coded 3 or less in the Structural Inventory and Appraisal Sheet.

Repairs under the Priority 1 category must be done as soon as possible. All repairs should start no later than thirty (30) days from the notification to Maintenance/Engineering.

Examples

1. Longitudinal crack in a primary load carrying steel member.

2. Substantial (more than 50 percent) undermining of bearing area of a major load carrying member.
3. Substantial section loss or collision damage to the main load carrying member requiring a load posting. Hands on inspection required within appropriate MPT.
4. Pier cap of a column bent in distress.
5. Major section loss on adjacent piles of a pile bent pier.
6. Major scour problem with undermining of footings not on piles (bridge is scour critical).

Inadequate Clearance

Vertical bridge underclearances which are incorrectly posted, or measured to be less than the following minimum thresholds established for New Jersey Turnpike and Garden State Parkway crossings, are reported by the issuance of an Inadequate Clearance Report.

Bridges over State Roads	14' – 9" minimum
Bridges over Non-State (County and Local) Roads	14' – 6" minimum
Bridges over New Jersey Turnpike and Garden State Parkway Roads	14' – 0" minimum

VI. SPECIFIC PROJECT SERVICES

Sign Structure Inspection Scope

Starting in 2018, routine sign structure inspections are separated from the bridge inspection scope for the New Jersey Turnpike. As such, there is no sign structure inspection scope for OPS Nos. T3610 and T3611, and any inspections for signs will be performed as an unanticipated task.

SECTION V
Staffing Schedule
 2018 New Jersey Turnpike Authority Bridge Inspection Program
 OPS No. T3610
 New Jersey Turnpike – Group 1

Classification (ASCE-Grade)	Task 1 Mobilization	Task 2 Bridge Inspection	Task 3 Bridge Reports	Task 4 SI&A/Element Level Inspection	Task 5 Load Ratings	Task 6 Unanticipated Hours	Total Hours
Project Manager ()						50	
QA Officer ()							
Team Leader ()						300	
Inspector/ Engineer ()						300	
Junior Engineer ()						100	
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
 2018 New Jersey Turnpike Authority Bridge Inspection Program
 OPS No. T3611
 New Jersey Turnpike – Group 3

Classification (ASCE-Grade)	Task 1 Mobilization	Task 2 Bridge Inspection	Task 3 Bridge Reports	Task 4 SI&A/Element Level Inspection	Task 5 Load Ratings	Task 6 Unanticipated Hours	Total Hours
Project Manager ()						50	
QA Officer ()							
Team Leader ()						300	
Inspector/ Engineer ()						300	
Junior Engineer ()						100	
CADD Technician ()						0	
Other-Specify ()						0	
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 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. The multiplier covers all overhead and profit. No expenses or costs shall be billed unless specifically included in this EOI Solicitation. 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 be 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), railroad flagging and inspection services, railroad and utility permits/insurance, rental cost for bridge inspection equipment, MPT costs, fuel and repairs for rented inspection equipment or TMAs, Authority approved safety vests, tolls charged by other agencies as required to access Authority bridges, 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 RFEOI 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" which is available on the Authority's website at: <http://www.state.nj.us/turnpike/documents/Disclosure-of-Investment-Activities-in-Iran.pdf> 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 thereto, 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
Bridge Listing
Group 1 - OPS T3610

Group 1 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
1	MP 0.00	US 130 AND NJ 49 OVER NJ TPK	307	6			3/11/2016
2	MP 0.42L	NJ TURNPIKE OVER SALEM CANAL	291	4		Y	4/15/2016
3	MP 0.85	HAWKS BRIDGE RD (NJ 140)/ NJTP	186	4			3/22/2016
4	MP 1.66	NJ TURNPIKE OVER GAME CREEK	106	3			3/31/2016
5	MP 3.04	COURSES LANDING RD OVER NJ TPK (CR 628)	244	4			3/11/2016
6	MP 3.72R	NJ 48(HARDING HWY) OVER NJ TPK	252	2			3/11/2016
7	MP 3.93	NJ TURNPIKE OVER TWO PENNY RUN	22	1			7/5/2017
8	MP 4.89	PENNSGROVE-AUBURN ROAD OVER NJTPK (CR 641)	170	4			3/11/2016
9	MP 5.73	STUMPY ROAD OVER NJ TPK	189	4			3/11/2016
10	MP 6.77	POINTERS-AUBURN RD OVER NJ TPK (CR 646)	252	4			3/11/2016
11	MP 6.96	AUBURN RD (CR602) (F. PED.-WOODSTOWN)/NJTPK	188	4			3/11/2016
12	MP 7.85	NJ TPK OVER OLDMANS CREEK	160	3		Y	4/15/2016
13	MP 8.68	OLDMANS CK RD (CR602) (F. PED-HARR. RD)/NJTPK	174	4			3/11/2016
14	MP 9.14	RAINEY ROAD OVER NJ TPK	162	4			3/11/2016
15	MP 9.71	NJ TPK OVER KINGS HIGHWAY (CR 620)	154	3			3/17/2016
16	MP 9.93	NJTPK OVER SOUTH JERSEY RAILROAD CO.	142	3			4/1/2016
17	MP 10.04	NJ TPK/WOODSTOWN-SWEDESBORO RD (CR 605)	192	3			4/8/2016
18	MP 11.38	SWEDESBORO-MONROEVILLE RD (CR694) /NJ TPK	168	4			3/11/2016
19	MP 11.50	FRANKLINVILLE RD (F. SWEDES. RD CR538)/NJTPK	176	4			3/18/2016
20	MP 12.13	NJ TPK OVER RACCOON CREEK	112	3			4/7/2016
21	MP 12.58	BACK CREEK RD (F. MULLICA HILL RD) OVER NJTPK	216	4			3/18/2016
22	MP 12.86A	NJ TPK INT NO 2 RAMPS ST & TN / NJ TPK	178	4			4/18/2016
23	MP 13.18	US 322 (SWEDESBORO ROAD) OVER NJ TPK	246	4			3/18/2016
24	MP 13.40	U-TURN OVERPASS MAINTENANCE/NJTPK	136	2			4/5/2016
25	MP 13.88	E. TOMLIN STATION RD (CR 607) OVER NJ TPK	179	4			3/16/2016
26	MP 15.03	E. WOLFERT STATION RD (CR664) OVER NJTPK	185	4			3/16/2016
27	MP 15.92	CEDAR RD (F. MICKLETON-JEFF. RD) (CR673) / NJTPK	168	4			3/16/2016
28	MP 16.73	E.COHWKIN RD (F. PAULSBORO RD CR667) / NJTPK	238	4			3/17/2016
29	MP 17.50	NJ TPK OVER EDWARDS RUN	123	3			4/15/2016
30	MP 17.98	MANTUA RD (CR 678) (F. MT.ROYAL-BARNSB RD)/NJTPK	166	4			3/4/2016
31	MP 18.45	NJ TPK OVER MANTUA CREEK	166	3		Y	4/8/2016
32	MP 18.88	OGDEN RD (CR648) (F.OGDEN HEIGHTS RD)/NJTPK	220	4			3/4/2016
33	MP 19.38	PARKVILLE STA. RD(F. MANTUA GROVE-PAULS)/NJTPK	166	4			3/10/2016
34	MP 20.23R	NJ RT 45 (MANTUA PIKE) OVER NJTPK	250	2			3/17/2016
35	MP 20.47	ELM AVE (CR 652) OVER NJ TPK	252	4			3/15/2016
36	MP 20.96	NJ TPK OVER WEST JERSEY AVE & PRSL	269	5			4/1/2016
37	MP 21.08	NJ TPK OVER N. GLASSBORO RD (CR 553)	154	3			3/25/2016
38	MP 21.52	TANYARD RD (CR 663) (F. WOODBURY)/NJTPK	179	4			3/16/2016
39	MP 22.22	COOPER ST. (F. COOPER RD) OVER NJTPK	186	4			3/16/2016

Group 1 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
40	MP 22.81	NJ RTE 47 (N. DELSEA DRIVE) OVER NJTPK	233	4			3/16/2016
41	MP 23.12	TURKEY HILL RD (CR 646) OVER NJ TURNPIKE	168	4			3/11/2016
42	MP 24.03	ALMONESSON RD (F.W.-LAKELAND RD (CR621))/NJTPK	174	4			3/11/2016
43	MP 24.61	NJ TPK OVER BIG TIMBER CREEK	314	5		Y	4/8/2016
44	MP 25.72	NJ TPK OVER PRSL RR GRENLOCH BR (ABANDONED)	85	3			3/25/2016
45	MP 25.88	NJ TPK / NJ 168(BLK HORSE PIKE)	178	3			3/17/2016
46	MP 26.13AR	NJ TPK INT 3 RAMPS C&E / NJ TPK	206	2			4/13/2016
47	MP 26.13B	NJ TPK INT 3 RAMPS WT & TE OVER NJ 168	135	3			5/6/2016
48	MP 26.98R	ROUTE NJ 41 OVER NJ TPK	254	2			3/11/2016
49	MP 27.28	SHREVE AVE OVER TURNPIKE MAINLINE	193	4			3/11/2016
50	MP 27.71	NJ TPK OVER PRSL RR, E. ATLANTIC AVE (CR 727)	210	4			4/6/2016
51	MP 27.95	NJ TPK OVER US 30	146	3			3/31/2016
52	MP 28.19	WARWICK RD (CR 669) OVER NJ TPK	177	4			3/18/2016
53	MP 29.18	NJTPK OVER WOODCREST STATION RAMPS (PATCO)	203	2			4/6/2016
54	MP 29.24	NJ TPK OVER COOPER CREEK	201	3			4/8/2016
55	MP 29.35	NJ TPK/PRSL ATLANTIC CITY BRANCH	114	3			3/25/2016
56	MP 29.84	BERLIN ROAD (CR 561) OVER NJTPK	174	4			3/18/2016
57	MP 30.75	KRESSON RD (CR 671) OVER NJ TPK	186	4			3/17/2016
58	MP 31.58	NJ TURNPIKE OVER N. BRANCH COOPER CREEK	20	1			4/29/2016
59	MP 32.30R	NJ RT 70 (E. MARLTON PIKE) OVER NJTPK	175	4			3/17/2016
60	MP 33.47	NJ TPK OVER SOUTH BRANCH PENNSAUKEN CREEK	20	1			5/20/2016
61	MP 33.94	CHURCH RD (CR 616) OVER NJ TPK	183	4			3/18/2016
62	MP 34.21R	ROUTE 73 OVER NJ TURNPIKE	230	2			3/17/2016
63	MP 34.49A	NJ TPK INT. 4 RAMPS ST & TN OVER NJ TPK	165	4			5/18/2016
64	MP 34.49B	NJ RTE 73 OVER NJ TPK INT NO 4	121	3			3/23/2016
65	MP 34.86	NJ TPK OVER NORTH BRANCH PENNSAUKEN CREEK	20	1			5/20/2016
66	MP 35.53	NJ TPK OVER CHURCH STREET (CR 607)	141	3			4/13/2016
67	MP 36.80	MOORESTOWN-MT LAUREL RD (CR 603) OVER NJTP	207	4			3/18/2016
68	MP 37.02A	MILE 37 U-TURN OVER NJ TURNPIKE	200	4			5/11/2016
69	MP 38.68	NJ TPK OVER MARNE HWY (CR 537) & PCRR	160	2			4/8/2016
70	MP 38.90	NJ TURNPIKE OVER HARTFORD ROAD (CR 686)	105	3			4/8/2016
71	MP 39.76	NJ TPK OVER PARKER_S CREEK	55	1			5/20/2016
72	MP 40.34	CREEK ROAD (CR 635) OVER NJ TPK	190	4			3/22/2016
73	MP 40.96	NJ TURNPIKE OVER RANCOCAS CREEK	722	11		Y	5/20/2016
74	MP 42.59	RANCOCAS RD (CR626) OVER NJTPK	225	4			4/7/2016
75	MP 43.56	IRICK ROAD (CR 630) OVER NJ TPK	192	4			3/25/2016
76	MP 44.05A	NJ TPK INT 5 RAMPS NT & TS OVER NJ TPK	209	4			5/20/2016
77	MP 44.36R	MT HOLLY - BURLINGTON RD (CR 541) OVER NJTPK	211	4			3/18/2016
78	MP 44.75	HANCOCK LANE OVER NJ TURNPIKE	187	4			3/25/2016
79	MP 45.43	OXMEAD ROAD OVER NJ TURNPIKE	201	4			3/24/2016
80	MP 46.88	BURLINGTON-JACKSONVILLE RD (CR 670) /NJTPK	343	4			3/18/2016
81	MP 48.21	NJ TPK OVER ASSISCUNK CREEK	89	1			5/5/2016
82	MP 49.15R	COLUMBUS FLORENCE ROAD (CR 543) OVER TURNPIKE MAINLINE	214	2			4/29/2016
83	MP 49.73	NJ TPK OVER CRAFTS CREEK	30	1			5/5/2016

Group 1 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
84	MP 50.06R	JACKSONVILLE-HEDDING RD. (CR 628) OVER NJTPK MAINLINE	386	4			5/25/2016
85	MP 50.43	NJ TPK/MILL LANE, PRR, KINKORA BR	185	3			6/17/2016
86	MP 50.43NO	NJTPK SNO ROADWAY & INT. 6 RAMP SOT / MILL LANE	120	1			6/16/2016
87	MP 50.43SO	NJTPK NSO ROADWAY / MILL LANE	120	1			7/7/2016
88	MP 50.88	INTERCHANGE 6 - RAMP SIT / NSO, NSI & SNI ROADWAYS	737	5	Y*		5/13/2016
89	MP 50.91	INTERCHANGE 6 - RAMP SOT OVER TURNPIKE MAINLINE	870	6	Y*		6/17/2016
90	MP 50.95R	COLUMBUS HEDDING ROAD (CR 678) OVER NJTPK	424	3			6/17/2016
91	MP 51.11	INTERCHANGE 6-RAMP TNO OVER TURNPIKE MAINLINE	985	6	Y*		6/17/2016
92	MP 51.16	INTERCHANGE 6-RAMP NIT / NSO ROADWAY	519	3	Y*		5/26/2016
93	MP 51.17	INT. 6 RAMP TNI OVER NSO, NSI & SNI ROADWAYS	1133	7	Y*		4/13/2016
94	MP 51.42R	MANSFIELD RD WEST OVER TURNPIKE MAINLINE	498	4			5/27/2016
95	MP 53.01	NJ TPK(I-95) NSI & SNI RDWYS / US 206 (OLD YORK ROAD)	268	4			4/8/2016
96	MP 53.01NO	NJTPK (I-95) SNO ROADWAY / U.S. ROUTE 206	268	2			6/17/2016
97	MP 53.01SO	NJTPK (I-95) NSO ROADWAY / U.S. ROUTE 206	268	2			6/17/2016
98	MP 53.28AR	MILE 53 U-TURN OVER TURNPIKE MAINLINE	350	3			5/27/2016
99	MP 53.28B	NJTPK INT 7 RAMPS WT & TE OVER US 206	206	4			6/17/2016
100	MP 53.41	NSO, NSI, & SNI ROADWAYS AND INT. 7 RAMPS TSO & SIT OVER BLACKS CREEK	45	2			6/9/2016
101	MP 53.41A	NJ TPK INT. 7 RAMPS WT & TE OVER BLACKS CREEK	550	4			6/9/2016
102	MP 53.41NO	NJTPK ML SNO AND INT. 7 RAMP SOT OVER BLACKS CREEK	323	2			6/22/2016
103	MP 53.46NO	SNO ROADWAY & INTERCHANGE 7 - RAMP TNO OVER INTERCHANGE 7 - RAMPS SIT, TNI, & TN/ST	1396	9			6/22/2016
104	MP 53.80A	NSI & NSI ROADWAYS, & INT. 7 RAMP TNI OVER INT. 7 RAMPS ST & TN	112	1			6/10/2016
105	MP 53.80SO	NJTPK NSO RDWY / INTERCHANGE 7 - RAMPS TSI, TN/ST AND NIT	1430	9			6/23/2016
106	MP 53.90	INTERCHANGE 7 RAMP NOT OVER LAUREL RUN	341	3			6/23/2016
107	MP 54.00	NJTPK (NSI/SNI RDWYS AND RAMP NIT) / GEORGETOWN ROAD (CR 545)	116	3			4/18/2016
108	MP 54.00NO	NJTPK SNO & INTERCHANGE 7-RAMP TNO / GEORGETOWN ROAD (CR 545)	110	1			6/24/2016
109	MP 54.00SO	NJTPK NSO ROADWAY & INTERCHANGE 7 - RAMP NOT / GEORGETOWN ROAD	117	1			6/24/2016
110	MP 54.72	MILE 55 U-TURN OVER TURNPIKE MAINLINE	314	3			5/27/2016
111	MP 55.10R	BORDNTOWN-CHESTERFIELD RD/NJTPK(I-95)	305	3			6/3/2016
112	MP 56.38R	WARD AVENUE OVER TURNPIKE MAINLINE	380	4			6/3/2016
113	MP 56.92	NSI & SNI ROADWAYS / CROSSWICKS CR & U-TURN	167	3			4/1/2016
114	MP 56.92NO	SNO OVER CROSSWICKS CREEK AND MD-3 U-TURN	205	2			6/24/2016
115	MP 56.92SO	NSO OVER CROSSWICKS CREEK AND MD-3 U-TURN	205	2			6/24/2016
116	MP 57.10R	SOUTH BROAD STREET (CR 672) OVER NJTPK	299	3			7/1/2016

Group 1 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
117	MP 57.46	TURNPIKE MAINLINE (NSI, SNI, AND SNO ROADWAYS) OVER DOCTORS CREEK	78	3			6/16/2016
118	MP 57.46SO	TURNPIKE MAINLINE (NSO ROADWAY) OVER DOCTOR'S CREEK	130	1			6/24/2016
119	MP 57.55	NSI / SNI ROADWAYS AND RAMPS SASI & SISA OVER CROSSWICKS - HAMILTON SQUARE ROAD	136	3			5/27/2016
120	MP 57.55NO	TURNPIKE MAINLINE (SNO ROADWAY) OVER CROSSWICKS-HAMILTON SQUARE ROAD	166	3			6/24/2016
121	MP 57.55SO	TURNPIKE MAINLINE (NSO ROADWAY AND RAMP SASO) OVER CROSSWICKS-HAMILTON SQUARE ROAD	146	1			6/29/2016
122	MP 57.78	SERVICE AREA 6S RAMP SASI OVER NSO ROADWAY	262	2	Y*		6/30/2016
123	MP 57.95	SERVICE AREA 6N - RAMP SISA OVER SNO ROADWAY	481	3	Y*		6/30/2016
124	MP 58.10R	YARVILLE-AlLENTOWN RD/NJTPK(I-95)	665	6			7/1/2016
125	MP 59.05	SERVICE AREA 6N - RAMP SANI OVER SNO ROADWAY	512	3	Y*		7/1/2016
126	MP 59.08	SERVICE AREA 6S - RAMP NISA OVER NSO ROADWAY	470	3	Y*		7/1/2016
127	MP 59.23R	MERRICK ROAD OVER TURNPIKE MAINLINE & RAMPS NOSA, NISA, SANI, & SANO	490	3			1/29/2016
128	MP 60.33R	EDGEBROOK ROAD / TURNPIKE MAINLINE & RAMPS TSO, TSI, SIT, & SOT	565	5			5/27/2016
129	MP 60.51B	NJTPK INT 7A RAMPS ET & TW OVER I-195	178	2			6/10/2016
130	MP 60.51C	INTERCHANGE 7A - RAMP ST / TURNPIKE MAINLINE & RAMP ST	466	3			6/24/2016
131	MP 60.51D	INTERCHANGE 7A - RAMP TN OVER TURNPIKE MAINLINE & RAMP ST	465	3			6/29/2016
132	MP 60.51E	INTERCHANGE 7A - RAMP TSI OVER NSO ROADWAY	322	2	Y*		7/7/2016
133	MP 60.51F	INTERCHANGE 7A - RAMP SIT OVER SNO	414	3	Y*		7/8/2016
134	MP 60.51G	NJTPK INTERCHANGE 7A -RAMP TN OVER I-195	222	2			7/8/2016
135	MP 60.51H	ROBBINSVILLE-AlLENTOWN RD (CR 526) / INTERCHANGE 7A - RAMP TN	132	1			7/8/2016
136	MP 60.51I	INT 7A RAMP TNI OVER NJTPK SNO ROADWAY	302	2	Y*		7/8/2016
137	MP 60.51J	INTERCHANGE 7A - RAMP NIT OVER NSO	414	3	Y*		7/7/2016
138	MP 60.91R	ROBBINSVILLE-AlLENTOWN ROAD (CR 526) OVER INTERCHANGE 7A RAMPS NOT & NIT, & TURNPIKE MAINLINE	468	4			7/8/2016
139	MP 61.87R	WEST MANOR WAY OVER MAINLINE	447	4			7/14/2016
140	MP 62.24R	GORDON ROAD OVER TURNPIKE MAINLINE	326	3			7/15/2016
141	MP 62.77	MILE 63 U-TURN OVER TURNPIKE MAINLINE	318	3			2/3/2016
142	MP 62.86R	SHARON ROAD OVER NJTPK (I-95)	559	4			7/15/2016
143	MP 63.32	NJ TPK(I-95) NSI & SNI / ASSUNPINK CREEK	44	1			5/20/2016
144	MP 63.32NO	NJTPK SNO ROADWAY / ASSUNPINK CREEK	46	1			5/25/2016
145	MP 63.32SO	NJTPK NSO ROADWAY / ASSUNPINK CREEK	48	1			5/25/2016
146	MP 63.43R	WINDSOR ROAD OVER TURNPIKE MAINLINE	326	3			5/13/2016
147	MP 64.79R	PERRINEVILLE ROAD OVER TURNPIKE MAINLINE	327	3			7/15/2016

Group 1 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
148	MP 65.52R	OLD YORK ROAD (CR 539) OVER TURNPIKE MAINLINE	385	3			7/15/2016
149	MP 66.23	TURNPIKE MAINLINE OVER CEDAR SWAMP BROOK	20	1			6/17/2016
150	MP 66.89	MILE 67 U-TURN OVER TURNPIKE MAINLINE	304	3			7/15/2016
151	MP 67.08R	ETRA ROAD (CR 571) OVER TURNPIKE MAINLINE	396	3			7/15/2016
152	MP P2.03S	CEDAR LN RAMP OVER CEDAR LN, CONRAIL & NJT RIVER LINE	250	4			5/24/2016
153	MP P2.05E	NJTPK PA EXT. (PHMTE) EB / CEDAR LN, CONRAIL & NJT RV LINE	264	4			5/19/2016
154	MP P2.05W	NJTPK PA EXT. (PHMTE) WB / CEDAR LN, CONRAIL & NJT RV LINE	264	4			5/19/2016
155	MP P2.27E	TURNPIKE PA EXTENSION (PHMTE) - EB / U.S. 130 (BURLINGTON-BORDENTOWN ROAD)	224	4			4/20/2016
156	MP P2.27W	TURNPIKE PA EXTENSION (WB) OVER US ROUTE 130	224	4			4/21/2016
157	MP P2.35A	NJTPK INTERCHANGE 6 - RAMPS NT & WS / U.S. 130	132	1			4/29/2016
158	MP P2.61	NJTPK INTERCHANGE 6 - RAMP NT & WN / NJTPK PA EXT. (PHMTE)	221	2			5/18/2016
159	MP P3.41	FLORENCE COLUMBUS RD / NJTPK PA EXT. (PHMTE)	351	4			6/3/2016
160	MP P3.67	OLD YORK ROAD / NJTPK PA EXT. (PHMTE)	236	4			6/8/2016
161	MP P4.23	NJTPK PA EXT. (PHMTE) OVER CRAFTS CREEK	38	3			6/9/2016
162	MP P5.00E	NJTPK (I-95) EB OVER JACKSONVILLE-HEDDING ROAD	245	3			4/6/2016
163	MP P5.00W	NJTPK PA EXT. (PHMTE) WB / JACKSONVILLE-HEDDING RD	244	3			4/6/2016
164	MP P5.59E	NJTPK PA EXT. (PHMTE) EB / HEDDING RD & INT. 6-RAMP ST	312	4			4/6/2016
165	MP P5.59W	NJ TPK PA EXT. (PHMTE) WB COLUMBUS-HEDDING RD & RAMP ST (INT. 6)	347	4			2/1/2016

FCM NOTES

*Box Girder

UW NOTES

Y - UW Inspection Required in 2018

Group 1 COURTESY Bridges				
No.	Structure No.	Bridge Description	Inspection Date	Owner
1	0.42U	I 295 RAMP K / NJTP & SALEM CANAL	5/26/2016	STATE
2	0.47	ROUTE I-295 NB/ NJTPK, RT US 40 AND SALEM CANAL	5/26/2016	STATE
3	24.69	ROUTE NJ 42 SOUTHBOUND OVER NJ TURNPIKE	5/27/2016	STATE
4	24.71	ROUTE NJ 42 NORTHBOUND OVER NJ TURNPIKE	5/27/2016	STATE
5	37.95	RT NJ 38 OVER TPK MAINLINE	11/8/2016	STATE
6	60.63R	ROUTE I-195 EASTBOUND OVER TURNPIKE	11/8/2016	STATE
7	60.65R	ROUTE I-195 WESTBOUND OVER TURNPIKE	11/8/2016	STATE
8	P4.56	RT I-295 SB/ NJ TURNPIKE EXT (I-95)	5/27/2016	STATE
9	P4.58	I-295 NB OVER NJ TPK (I-95)	6/17/2016	STATE

SECTION XVIII
 Bridge Listing
 Group 3 - OPS T3611

Group 3 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
1	MP 105.18	NJTPK OAK ISLAND VIADUCT(NSI-SNI)	1934	21			5/4/2016
2	MP 105.56	NJ TPK NSI&SNI RDWY / DELANCY STREET	195	3			4/8/2016
3	MP 105.79	NJ TPK NSI-SNI-E/ WILSON AVE	165	3			4/11/2016
4	MP 105.93	NJ TPK NSI&SNI-E RWYS/CRR OF NJ	126	3			4/14/2016
5	MP 117.16	NJTPK NS 95 & SN-80 / OVER OVERPECK CREEK	297	13		Y	5/5/2016
6	MP 117.63B	NJ TPK RAMP TW OVER US ROUTE 46	233	4			4/29/2016
7	MP E106.57	NJ TPK OVER CRR OF NJ NWK BRANCH	363	5			4/28/2016
8	MP E106.68	NJ TPK OVER FOUNDRY STREET	211	3			4/12/2016
9	MP E106.92B	NJ TPK INT 15E RPS R&T/RAYMOND BD	174	3			4/8/2016
10	MP E106.92C	NJ TPK INT 15E RAMP TE/DOT RAMP P-1	106	1			4/13/2016
11	MP E109.02	NJ TPK OVER BELLEVILLE TPK (RT 7)	225	3			4/29/2016
12	MP E110.67A	INT 15X RAMP TNE / SNE&NSE AND RAMP TSE	977	9	Y*		4/18/2016
13	MP E110.67B	RAMP NET OVER WETLANDS	256	2			4/25/2016
14	MP E110.80	EASTERLY TPK MAINLINE/RAMPS NET/TE	184	1			4/11/2016
15	MP E110.80A	NJ TPK INT. 15X - RAMPS WT/TW OVER PENHORN CREEK	136	1			4/25/2016
16	MP E110.80B	RAMPS TW/WT OVER NJ TRANSIT	3110	21			5/23/2016
17	MP E110.85	NJ TPK OVER NJ TRANSIT (BOONTON BRANCH)	216	3			4/29/2016
18	MP E111.15	NJ TPK OVER ELRR & COUNTY ROAD	1350	14			5/26/2016
19	MP E112.10	SECAUCUS ROAD OVER NJ TURNPIKE	278	4			4/21/2016
20	MP E112.58A	NJ TPK RAMP ET (V)/NJ TPK SNE-NSE RWYS	324	2			5/20/2016
21	MP E112.58B	NJTPK INT 16E RAMP ET (V) / DOT I-495	167	3	Y*		5/24/2016
22	MP E112.58C	NJ TPK INT 16E RAMP ET(V) / NJ RT 3	267	4	Y*		5/12/2016
23	MP E112.95A	NJ TPK INT 17E RP A/TPK,RPS& RDWY	1323	11	Y**		5/24/2016
24	MP E112.95B	NJ TPK INT 17E RAMP A OVER NJ 3	281	4			4/28/2016
25	MP E112.95C	NJ TPK INTER 17E RAMP S/RAMP V&R	329	4			5/3/2016
26	MP E112.95D	NJ TPK INT 16E RP E/PAT PK RD,RMP	438	7			4/18/2016
27	MP E113.00	NJ TPK OVER PATERSON PLANK ROAD	156	3			4/15/2016
28	MP E113.16	NJ TPK SNE-NSE RWY OVER ROUTE 3	295	6	Y***		4/21/2016
29	MP E113.50	PARK PLAZA DRIVE OVER NJ TURNPIKE	433	5			4/20/2016
30	MP E114.52	NJ TPK SNE-NSE RWY/PAUNPECK CREEK	198	3		Y	4/22/2016
31	MP E115.21	NJ TPK SNE-NSE RWY/BELLMANS CREEK	198	3		Y	5/4/2016
32	MP E116.42	NJ TPK / SUSQUEHANNA RR& NJ TPK SESA	1081	12			5/26/2016
33	MP N0.16A	NJTPK OVER NJTPK,NJTPK HCE,ETC.	1018	16			6/17/2016
34	MP N0.28A	NJTPK OVER NJTPK,RAMPS,CRRNJ&PNRR	1008	12			4/19/2016
35	MP N0.28C	NJ TPK INT 14 RAMPS HNO&HLT/CONRAIL & RAMPS SOT&SIT	519	7			6/20/2016
36	MP N0.28D	NJTPK INT. 14 RAMP SH/CONRAIL & RAMP SOT	873	13			4/7/2016
37	MP N0.75	NJ TPK HCE NWK VIADUCT /ACCESS RD	3563	48			6/3/2016
38	MP N2.01E	NJTA OVER NEWARK BAY (E19-E.ABUT)	1182	15			6/24/2016

Group 3 Bridge List							
No.	Structure No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
39	MP N2.01W	NJTA OVER NEWARK BAY (W45-W15)	2209	30			6/15/2016
40	MP N3.00	NJ TPK HCE / KENNEDY BLVD(C.501)	220	3			6/10/2016
41	MP N3.24	NJ TPK HCE / AVENUE C	111	1			6/17/2016
42	MP N3.39	NJ TPK HCE / GARFIELD AVENUE	78	1			6/6/2016
43	MP N3.53B	NJ TPK HCE INT. 14A RP.WT/GARF.AVE	78	1			6/7/2016
44	MP N3.53C	NJ TPK HCE INT 14A RP.TW/GARF.AVE	79	1			6/7/2016
45	MP N3.53D	NJTPK INT. 14A RAMP TE/NJ RT 440 & CONRAIL	982	12			6/8/2016
46	MP N3.53E	RAMP TP PENNINSULA OVER PULASKI STREET	156	1			First Cycle
47	MP N3.53FR	NJTPK OVER NJ440,AVE.E,E52 ST,ETC	1080	13	Y*		6/1/2017
48	MP N3.53H	RAMP PORT & TP 440 SB OVER ROUTE 440	439	4			First Cycle
49	MP N3.53I	RAMP TP-440 SB OVER CONNECTOR ROAD	145	1			First Cycle
50	MP N3.73	NJ TP HCE SOUTHEAST VIA / NJ440 NJTP	2279	28	Y*		6/22/2016
51	MP N4.12	NJ TPK HCE / LINDEN AVENUE	126	3			6/8/2016
52	MP N4.52	NJ TPK HCE / CHAPEL AVENUE & LVRR	378	5			6/9/2016
53	MP N5.34	NJ TPK HCE/LEHIGH RR, BAYVIEW AVE & PLANT RDS.	529	6			6/9/2016
54	MP N5.56A	NJ TPK HCE / INTERCG.14B RP.WT-TE	148	3			6/9/2016
55	MP N5.56B	NJ TPK HCE BAYVIEW VIADUCT /CONRR	1509	20			3/25/2016
56	MP N5.66	NJ TPK HCE / CONRAIL	434	3			6/10/2016
57	MP N6.49	NJTA HCE EAST VIADUCT OVER JC STREETS & NJTRO HBLR	4269	44	Y**		6/22/2016
58	MP N6.80E	NJTA HCE GRAND ST OFF RAMP B	598	8			6/20/2016
59	MP N6.80W	NJTA HCE GRAND ST ON RAMP A	739	17			6/21/2016
60	MP N7.13	NJ TPK HCE WEST VIADUCT / CONR.& LO R	2355	26			6/22/2016
61	MP N7.52	NJTA HCE RMPS SECT. A / JC STREETS & CONRAIL	2042	25			6/3/2016
62	MP N7.90E	NJTPK HCE NTR RWY / LOCAL STS & CONR	2003	25			5/20/2016
63	MP N7.93W	NJTA HCE RAMPS SECT. B (WB) / JC STREETS & CONRAIL	2387	27	Y**		7/6/2016

FCM NOTES

- *Box Girder
- **Two Girder
- ***Hinge Pins

UW NOTES

Y - UW Inspection Required in 2018