

August 29, 2018

To: ALL CONSULTANTS

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

**ORDER FOR PROFESSIONAL SERVICES NO. T3668
2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 2
Milepost 67 to 99**

And

**ORDER FOR PROFESSIONAL SERVICES NO. T3669
2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 4
Milepost 99 to 122**

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

Profile Code	Description
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 194 bridges located along the New Jersey Turnpike between Interchange 8 and Interchange 13, otherwise known as Group 2 in Order of Professional Services (OPS) No. T3668, and 175 bridges located along the New Jersey Turnpike between Interchange 13 and the northern terminus otherwise known as Group 4 in OPS No. T3669.

It is the Authority’s intent to engage the services of two firms through this multi-project solicitation for EOIs. Professional Services are required from two eligible firms, one for OPS No. T3668 and one for OPS No. T3669. 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 606 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 2 and 4. 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.

These 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. T3668 and T3669, 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 and 2) FHWA SI&A and Element Level Inspection data input and updating capabilities. Project Managers, Team Leaders, Assistant Team Leaders, Divers, Load Rating Engineers, Load Rating Reviewers, Quality Assurance Engineers and Quality Control Engineers must meet the requirements outlined in the "Qualifications of Key Bridge Inspection Personnel" document on the Authority's website at <http://www.njta.com/doing-business/njta-bridge-inspect-program> under the heading "Bridge Inspection Program" and as summarized on the NJTA Bridge Inspection Qualification Summary Form QAF3 – Quality Assurance Audit: Technical Managers Qualifications Review Checklist (QAF3 Form). The QAF3 form will be included as a reference file on the Secure File Sharing Site. These factors will be critical elements in the selection process.

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 RFEOL in consideration of the person proposed for the assignment. If the Firm is proposing an individual with credentials considerably different than those identified by the Authority, the Firm must explain its rationale and identify/demonstrate the benefit the individual brings to the assignment.

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

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

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

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

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

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

Understanding of the Project

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

Understanding of the Authority's Needs

The Firm shall demonstrate that they fully understand the needs of the Authority as it relates to the specific scope-of-work identified in the RFEOL. 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 RFEOL.

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 No. P3670 or OPS No. P3671, are required to provide information indicating how staff will satisfactorily complete OPS No. T3668/T3669 and OPS No. P3670/P3671 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' and shall state so.

3. **Resumes for the Project Manager and each Key Project team member**, (a maximum total of five) detailing relevant experience and professional/technical qualifications. Include resumes of proposed subconsultants. Each resume should be one page single-sided with dates provided for each project.
4. A completed **NJTA Bridge Inspection Qualification Summary form** detailing certifications of proposed staff. Provide one complete form for each OPS. A copy of this form will be available via the Authority's Secure File Sharing Site.
5. A **detailed estimate of the work-hours** per task and by ASCE Grade/ Classification, along with an estimate of total hours, to provide the work described herein. The ASCE Grade/ Classification must include a Quality Assurance Officer. Provide one estimate sheet for each OPS.
6. A **Project Schedule** for this solicitation that addresses the various tasks defined by the scope of services for this assignment. The Project Schedule may be a maximum of one page for each OPS.
7. **Recent Authority Project Experience Form** identifying all Authority projects on which the consultant is currently working or have been completed (closed out) within the previous five (5) year period. A separate form shall be provided for the prime consultant and for each sub-consultant.
8. A completed **Affidavit of Eligibility/Disclosure of Material Litigation** form for review by the Authority's legal counsel. Forms for each firm, each member of a joint venture and all sub-consultants shall be submitted. Firm shall certify that it is not suspended, disbarred or disqualified from bidding on any state or federal projects. Furthermore, no litigation shall be pending or brought against the firm that could materially affect its ability to perform the OPS described herein. Firm shall submit a description of all litigation pending, threatened or brought against it, including any litigation against its owners and/or principals; and shall also submit a description of any enforcement actions or penalties pending or assessed by any regulatory agency having jurisdiction over permit compliance, worker health and safety, or labor laws, as these issues relate to performance of the OPS described herein.
9. A completed **Disclosure Form – Outstanding Work with the Authority** stating all outstanding work with the Authority for both New Jersey Turnpike and Garden State Parkway projects. Forms for each firm, each member of a joint venture and all sub-consultants shall be submitted. State "none" on the form if firm, joint venture or sub-consultant has no outstanding work with the Authority. **It is specifically noted that the Authority's Disclosure Form shall be submitted with the EOI. Consultants may separate types of work by category (i.e.: Design Services, Construction Services, Environmental Services, etc.) however, the "Total" amounts stated at the bottom of the page shall be the combined total amounts of all outstanding work with the Authority as identified on the form.**
10. A completed **Commitments of Proposed Project Staff** form stating the percentage of time each member has available to commit to this assignment, including subconsultant staff.
11. A completed **Certification of Staff Availability form** 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 No. P3670 or OPS No. P3671, are required to provide information indicating how staff will satisfactorily complete OPS No. T3668/T3669 and OPS No. P3670/P3671 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** 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.

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

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

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

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

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

Expressions of Interest must be submitted no later than **2:00 PM on Wednesday, September 19, 2018**. Consultants will be fully responsible for the delivery of their EOIs. Reliance upon U.S. Mail or other carriers is at the Consultant's risk. Late EOIs will not be considered. EOIs hand delivered or delivered by an overnight delivery service shall be addressed to:

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

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

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

Inquiries

Inquiries pertaining to this RFEI are to be directed in writing to King F. Lee, P.E., Project Engineer, Structures Design, New Jersey Turnpike Authority, PO Box 5042, Woodbridge, New Jersey 07095-5042. E-mail inquiries to klee@turnpike.state.nj.us are acceptable. **The deadline for inquiries is September 7, 2018.** The Authority will respond to all written inquiries received. Each inquiry will be stated and a written response provided. Responses will be posted on the Authority's Internet website under ***Doing Business, Current Solicitations*** on or before **September 11, 2018**. Consultants will be responsible for submitting their EOI in accordance with the RFEI 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. T3668 and T3669 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 website under ***Doing Business – Reference Materials*** 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. 2009, c.135. 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. L. Williams
K. F. Lee
Review Committee
File

ATTACHMENTS

to the

Request for Expressions of Interest

Dated August 29, 2018

for

Order for Professional Services No. T3668

**2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 2
Milepost 67 to 99**

And

Order for Professional Services No. T3669

**2019 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 4
Milepost 99 to 122**

TABLE OF CONTENTS

<u>Section No.</u>	<u>Section Title</u>
I.	Prequalified and Eligible Consultants
II.	Administrative and Agreement Information
III.	OPS Procurement and Project Schedule
IV.	Scope of Services
V.	Staffing Schedule
VI.	Compensation Basis
VII.	Small Business Enterprise Sub-Consulting Program
VIII.	Equal Employment Opportunity Regulations (<u>N.J.S.A.</u> 10:5-31 et seq. (P.L. 1975, C. 127) and <u>N.J.A.C.</u> 17:27)
IX.	State Contractor Political Contributions Compliance (P.L. 2005, Chapter 51 and Executive Orders 134 and 117)
X.	Set-Off for State Tax (<u>N.J.S.A.</u> 54:49-19)
XI.	Office of State Comptroller Right to Audit (<u>N.J.A.C.</u> 17:44-2.2)
XII.	Source Disclosure Certification (N.J.S.A. 52:34-13.2, Executive Order 129)
XIII.	Disclosure of Investment Activities in Iran (<u>N.J.S.A.</u> 52:32-57(a) and N.J.S.A. 52:32-56(e)(3))
XIV.	Antidiscrimination Provisions (<u>N.J.S.A.</u> 10:2-1)
XV.	Executive Order 189 (1988 - Kean)
XVI.	ADA Indemnification
XVII.	Bridges List – Group 2
XVIII.	Bridges List – Group 4

SECTION I

Prequalified and Eligible Consultants

AECOM Technical Services
Arora and Associates, P.C.
Boswell Engineering
Buchart-Horn, Inc.
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.
Louis Berger U.S., Inc.
LS Engineering Associates Corporation
Michael Baker International, Inc.
Modjeski & Masters, Inc.
Mott MacDonald LLC
MP Engineers, P.C.
Pennoni Associates, Inc.
Pickering, Corts & Summerson, Inc.
PKB Engineering Corporation
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, 2018
Deadline for Inquiries	September 7, 2018
Posted Responses to Inquiries	September 11, 2018
Submittal of Expressions of Interest	September 19, 2018
Recommendation to Award OPS	November 20, 2018
Notice to Proceed	January, 2019

Group 2

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

Group 4

Estimated Start of Scheduled Bridge Inspections	March, 2019
End of Scheduled Bridge Inspections	September 30, 2019
Submission of Draft Individual Reports	See Scope of Work
Submission Deadline for Final Inspection Reports	February 28, 2020
End of Potential Unanticipated Work	April 30, 2020
Project Completion	April 30, 2020

SECTION IV

Scope of Services

I. GENERAL

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

II. PROJECT COORDINATION

A. NJTA Coordination:

1. The Consultant shall coordinate its activities with NJTA personnel throughout the course of this Order for Professional Services (OPS). Early on, the Consultant will establish a means of coordinating and reporting its activities with the designated project liaison to ensure an expeditious exchange of information. The NJTA shall be informed of all meetings with other agencies, government officials and/or groups so that NJTA personnel can attend if necessary.
2. 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, Load Rating Updates Required, and Comments. The Bridge Inspection Program Technical Manager will provide a template in Excel at the kick off meeting. The initial schedule shall be submitted within 30 days of receipt of the template. Monthly updates are required to be submitted by the 7th of each month.
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 thirteen (13) day bridge inspection course, use "Firm Last First #Equiv year" ("Bridge Associates Johnson Edward 130055Equiv 1999.pdf"). All files shall be submitted in one general folder or directory, not broken up into folders/subfolders. Certificates and completed QAF forms shall be submitted at the kick off meeting.

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

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

It is noted that general overview of the 2019 NJTA Bridge Inspection Program for TPK – Group 2 and TPK – Group 4 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 coding. 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 2019 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
Design Manual
Standard Drawings

Structural Repair Programs
Critical Finding Repair Procedures
Authority Deficiency Category Definitions
Bridge Inspection Security Measures
InspectTech Connect Edition Online Help System
Manual for Traffic Control in Work Zones
LRFR Load Rating Manual, version 9.3, September 2017
NJTA Structure Inspection Quality Management Plan, Version 1.0, May 2018

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 2 and \$10,000 for Group 4, 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 top of deck surveys and underdeck and pier top inspections 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, initial LRFR load ratings or LRFR load rating updates shall utilize the most current version of AASHTOWare's Bridge Rating (BrR) 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. The load ratings shall also include Emergency Vehicles EV2 and EV3, as needed and in accordance with 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. Proposers are further advised that the Authority currently licenses the BrR Unlimited Option as a Member Agency, which allows consultants to obtain single copies of BrR at the current special license fee of \$5,000 per workstation for use performing load ratings of the Authority's bridges.

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. T3668 and T3669, 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 606 routine bridges and 7 major bridges along the entire length of the roadway. The 606 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 2 and 4 are scheduled for inspection in OPS Nos. T3668 and T3669.** However, the Consultant will be required to perform cursory inspections of Groups 1 and 3 bridges with Category A deficiencies reported in 2018. The estimated hours for these cursory inspections shall be included in the Unanticipated Work hours.

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. NBIS allows for inspections up to two months prior to the previous inspection date, NJTA approval is required for inspections more than 7 days prior to the anniversary date. Bridge Nos. 77.81, 87.76 and 94.06 in Group 2 were recently inspected under the culvert inspection program, and a first cycle bridge culvert type report will need to be submitted. NBI and Element Inspection data has been collected for each of the bridges, primarily requiring review and update. Initial Load Ratings may need to be performed for these three culverts.
2. Fracture Critical Members (FCM) inspections are required for 30 bridges in Group 2 and 30 bridges in Group 4. The inspection of FCMs shall be in accordance with below, 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).

Bridge Nos. 83.72, 91.36A, 98.48NO, and 98.48SO in Group 2 and Bridge No. E106.15A in Group 4 will require Ultrasonic Testing (UT) at the pins. The UT shall be performed by qualified NDT technician (ASNT Level III or higher). Removal of the paint and any surface pitting from both ends of all pins shall be performed. The areas where

the paint has been removed and cleaned will be spray coated, by the inspectors, with a rust-inhibitor in order to stop any flash rusting that may occur to the exposed base metal. The UT shall be carried out in a manner that identifies possible cracks or wear grooves in the pin and determines the size and location of these flaws. Ultrasonic pulse-echo straight beam examination contact methods shall be applied. The estimated expense for non-destructive testing shall be listed separately in the Fee Proposal.

FCM inspections include but are not limited to bridges with box girders, plate girders, two or three-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 in the tension zones, 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. Pin and hanger or hinge pin conditions, clearances, and positions shall also be documented. 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. 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. 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.

Confined Space Entry Requirements:

- a. 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.
 - b. During the FCM inspection of the interior of the box girder, interior air shall be monitored from the outside by a person certified for first aid from a firm certified for the interior air monitoring.
 - c. 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. The Consultant shall review and adhere to the Authority's Critical Finding 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 for structures carrying more than 4 lanes/shoulders. 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. **Starting in 2019, the consultant shall provide Sounding sketches using the template provided by NJTA; the sounding sketches are to be an update of the soundings from the last**

underwater inspection report. For bridges that require underwater inspections, a Diver may be used to perform the off-cycle soundings/fathometric surveys.

5. For the bridges indicated on the attached list (1 bridge in Group 4), 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).

6. Specialty Underwater Inspection Services for Structure W110.42.

For OPS No. T3669 – Group 4, a high resolution underwater scanning followed by underwater diving inspection shall be performed for Structure No. W110.42. Bridge scour shall be monitored using both traditional sounding methods and high resolution underwater scanning methods. Additionally, the 2019 underwater scanning shall utilize the same system as that of the previous 2017 underwater inspection for ease of comparison between new and previous data, as well as for subsequent inspections (detailed below). (a copy of the 2015 and 2017 Underwater Inspection report shall be provided for review and reference): The 2019 report will require the following:

- A stream bed contour plan. Elevations/datum provided should be correlated with existing contract plans elevation/datum.
- A high resolution scan and image of the substructure and debris fields in and around the substructure elements for a minimum of 20' upstream and downstream of the bridge.

The following information is required for the channel (1050 ft. long, 175 ft. wide, 20 ft. deep):

- Swath Bathymetry: Surface elevation of the mudline in Creek and ebb and flood deltas (contour map required). Determine tidal flow and water velocity.
- Surface Sedimentation Classification: Side-scan orthosonograph (two 100% coverage images of sediment texture) determination of sediment type in creek ebb and flood deltas (sediment map required). Gravity core sampling of sediments.
- Sub-surface Cross Sections: Sub-bottom determination of scour-sensitive sediment thickness above the scour-resistance survey. Include depth to rock (cross sections at each pier and abutment line required).
- Debris Map: Magnetic field survey (target map required).

Following the underwater scanning, the NBIS diving inspection shall correlate information pertaining to pier piles that have been or are exposed beneath existing jackets by obtaining detailed pier pile section loss measurements (remaining thicknesses) at select piles (H-pile bases currently exposed at the mudline) and re-run the stability analysis as/if necessary along with performing a slope stability analysis at the abutments and wingwalls for determining potential countermeasure implementation. Note that partial removal of the deteriorated fiberglass jackets and concrete encasements may be necessary to facilitate the field measurements. For additional information, reference HNTB Corporation's letter dated September 23, 2014.

The report shall provide a detailed description of the historical scour deterioration and the remediation and repair measures taken to date. The report shall also compare the 2011, 2013, 2015, 2017, and 2019 sonar scanning information. On each elevation and profile, channel depths from original, 1990, 2011, 2013, 2015, 2017, and 2019 (minimum) shall be plotted. Depth of existing fiberglass casing relative to mud line shall be shown. Pertinent as-builts and previous sonar images shall be included as an appendix to the report. The report shall contain detailed conclusions and recommendations with preliminary alternatives for scour remediation and/or future monitoring. Monitoring alternatives shall specify duration and type of inspection or measurements to take.

7. For Bridge Nos. 117.20NO and 117.20SO, an interim inspection of the substructure elements at 12-month frequency is required due to the poor condition and the advanced section losses with corrosion holes and knife edging of the exposed steel H-piles. Also, measurements shall be taken along the full length of all the exposed H-piles from the

underside of the cap to the water line or ground line at locations on each flange, at the edge of the remaining flange, and at the interior of the flange adjacent to the web to better document the losses at the exposed H-piles. A permanent shoulder closure restricting the live load off the right shoulder and rehabilitation for both structures is under design.

8. For each bridge listed in the Courtesy Bridges Tables in Section XVII and XVIII, the Consultant shall perform a cursory inspection of possible Category 'A' conditions, and notify the Authority's Liaison Engineer of such.

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.njta.com/doing-business/njta-bridge-inspect-program> under InspectTech Notes.

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.

With the exception of first cycle inspections, the consultant shall use the latest bearing matrix coded with defects (Field Note Page 8 from the 2015 report) to reproduce in an Excel file to use during the current inspection. This file will be used to collect current defects and then uploaded as a working file for use in future inspections.

Starting in 2019, consultants shall conduct nocturnal inspections of bridges spanning navigable waterways with span or fender mounted navigation lighting. This will be required as part of the NBIS inspections as well as the off-cycle inspections. When part of the NBIS biennial inspection, a sketch (plan) of the location of the lighting and its condition (functional/non-functional) shall be included in the report. For off-cycle inspections, the sketch shall be uploaded to InspectTech. Category A2 reports shall be created/updated as necessary for both current cycle and off-cycle inspections.

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). **Starting in 2019, the consultant shall provide clearance sketches using the template provided by NJTA and should clearly denote SIA Items DJ, 10, 53, 54B, 55B and 56 as well as any vertical underclearance postings present.**

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.

TPK Mainline over Roads, Railroads, etc. – The Consultant shall field verify the elevations and update the clearance photographs, and the SI&A data as necessary. **Starting in 2019, the consultant shall provide clearance sketches using the template provided by NJTA and should clearly denote SIA Items DJ, 10, 53, 54B, 55B and 56 as well as any vertical underclearance postings present.**

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 create and submit 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 90 (Inspection Date), 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 (46 bridges for Group 2 and 42 bridges for Group 4) will be reviewed by the Technical Manager. The comments from the reviewed draft reports shall be incorporated to all reports as applicable, including the remaining 75% not reviewed.

Starting in 2017, the Authority began using a new bridge inspection report format, the format for the report has been subsequently updated each year. 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 the standard forms and report sections. Other pages (Load Rating Summary Sheet, Section Loss Documentation, Clearance, Soundings, FCM Location Plan, Underwater Inspection Report) shall be generated outside the program or pulled from previous cycles and inserted as additional sections.

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

a) Report Sections

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

- Cover
- Table of Contents
- Load Rating Summary Sheet*
- **Contract History**
- General Information/Inspection Information
- Conclusions
- Approach/Roadway (Sheets 1 through 4)
- Deck 1 (General 1)
- Deck 1 (General 2)
- Deck 2 (Joints)
- Deck 3 (Top of Deck)
- Deck 4 (Underdeck)
- **FCM Location Plan***
- **Internal Box Girder Inspection Form**
- Superstructure 1 (General 1)
- Superstructure 1 (General 2)
- Superstructure 2 (Superstructure)
- Section Loss Documentation*
- Bearing Deficiency Matrix (Inventory Information Only)
- Superstructure 3 (Bearings)
- Substructure 1 (General)
- Substructure 2 (Abutment and Piers)
- Culvert
- Waterway/Channel
- **Navigation Lighting Survey***
- Security Features
- Photographs
- Elements
- SI&A Sheets

- Clearance*
- Soundings*
- Underwater Inspection Report*
- Critical Findings

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 (Critical Finding), or B/C (Contract). Fields include notes, contract repair quantities and photo references for recommended repairs. Repeatable information such as spans and joints are collected in repeater groups which are limited to 200 rows.

b) Report Section Descriptions

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

Load Rating Summary Sheet – For any new structures or structures with rating updates based on changes to the structure or condition, the InspectTech form shall be used to generate this report section and shall include Emergency Vehicle Ratings. For all other structures the existing/current PDF shall be included. Refer to the Load Rating Manual.

Contract History – Type, Contract Number, Description of Work, Year (Consultants will be provided a template to collect data for all contract work competed from construction to the most recent contract. This information will be uploaded to IT by the BIPTM. Information will be obtained by the consultant through review of the contract information included in the prior individual reports through 2007 and review of As-Built plans after 2007. Hours should be included in the fee proposal for this task.)

General Information/Inspection Information – Bridge Date (NBI and other fields), Superstructure, Substructure and Inspection Information including Team Leader, Assistant Team Leader(s), equipment, MPT, temperature.

Conclusions – Overall Condition, Upgrade/Downgrade, Load Rating, Scheduled/Ongoing/Completed Work, FCM (type and condition), Type 2 Underwater Inspection Statements. Description of Deck, Approaches, Superstructure, Substructure, Waterway, Safety Features, Other and Category E to supplement NBI ratings.

Approach/Roadway 1 – Roadway, Guide Rail, Embankment

Approach/Roadway 2 – Sidewalk/Safetywalk/Curb, Barrier, Other, Noise Barriers

Approach/Roadway 3 – Median, Parapet Protective Fencing, Drainage Inlets, Lighting Standards and Junction Boxes

Approach/Roadway 4 – Safety Features

Deck 1 (General 1) – Median, Sidewalk/Safetywalk/Curb, Bridge Rail, Parapet Protective Fencing, Drainage Inlets.

Deck 1 (General 2) – Noise Barriers, Lighting Standards and Junction boxes, Delineators/Milepost/Sings/Striping, Housekeeping.

Deck 2 (Joints) – 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.

FCM Location Plan – framing plan highlighting FCM members. Diagrams depicting the plan and elevation views and the cross section of the FCM shall be uploaded to IT but not included in the report. The FCM location plan shall clearly identify all FCMs on each individual bridge.

Internal Box Girder Inspection Form – Repeater group for each Box Girder to include inventory information only. All notes regarding inspection findings are included on the Superstructure 2 (Superstructure) Form.

Superstructure 1 (General 1) – Coating Condition, Drainage, Utility Lines/Support, Catwalks/Ladders/Hatches, Structural Connections (Read Only).

Superstructure 1 (General 2) – Underbridge Lighting, Bridge Mounted Sign Structures.

Superstructure 2 (Superstructure) – Repeater Group for Span to include all notes for FCM member inspection when considered superstructure element.

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

Superstructure 3 (Bearing) – Repeater Group for Bearing Lines.

Substructure 1 (General) – Abutment Slope, Substructure Protection Features, Right of Way Security, Drainage (Read Only), Underwater Foundations.

Substructure 2 (Abutments and Piers) – Repeater group for Abutment/Wingwalls and Piers. **To include all notes for FCM member inspection when considered substructure element.**

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

Culvert/Frame/Arch/Slab – Roof Slab/Intrados of Arch or Frame, Floor Slab, Sidewall/Abutment/Skewback, Centerwall, Wingwall/Headwall/Spandrell Wall.

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

c) Photographs

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

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

DEFECT: Approach, Deck, Superstructure, Bearings, Substructure, Misc. (Utilities) in order of the field notes. Starting in 2019 Category D repairs will no longer be recommended in the

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

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

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

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

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

Although not all photos will be included in the Report, the Consultant shall take photos of every repairable (B/C or D) defect and upload onto the InspectTech database. Photos not included in the Inspection Report will also be useful for scoping of bridge repair contracts and the description shall contain the element and defect shown at a minimum.

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 and type 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.

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 2019 and 2020.

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 2 and 4. 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 2017 bridge inspection cycle. The consultant shall update the SI&A data, and run the error check and Sufficiency Rating calculation utilizing Bentley (InspectTech) software. **Consultants should pay particular attention to fields highlighted RED which indicate that the input does not follow the defined format, causing the data transfer to fail for that asset. 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)	Approach Roadway Condition
(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

Beginning in 2019, the Consultant shall no longer prepare a separate FCM inspection report for each bridge designated for an FCM inspection. The photos and inspection findings are now included in the standard report sections.

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

E. Electronic Deliverables for Final Reports

Hard copies of reports are not required to be submitted. Bridge inspection report files shall be provided as PDF files on CDs, DVD, flash drive or other acceptable media. Each of the reports shall be named (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 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 “Critical Findings”

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

A1 (Emergency)

Critical/major defects 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 are defects such as: bearing collapse, main structural member failure, pier scour, accident damage, or deck failure.

A2 (Priority)

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

Included are defects such as: parapet, haunch or underdeck fractures over traveled lanes, large/deep spalls in the deck wearing surface or joint armor defects in traveled lanes, substantial section loss or cracking in a primary load carrying member, or navigation lighting deficiencies.

A3 (Non-Structural)

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

Included are defects such as damage/failure in the structure’s security features, slope washout not affecting guide rail posts or pavement, missing/damaged handrails, settled sidewalks or holes in parapet fencing above traveled lanes.

Guide Rail

Damage or significant corrosion noted to guide rail elements including attachments to bridges, rail and posts at approach roadway or substructure protection runs, and end terminals at Turnpike and Parkway structures, which require immediate repair are reported by the issuance of a Guide Rail Type Category A Report.

Inadequate Clearance

Vertical bridge under clearances 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 Type Category A 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

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

For loose concrete found over traffic, the Consultant shall remove loose material 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 backed up to indicate the location of fracture relative to span framing.

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; guide rail improvements.

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.

This category includes the following bridge deck repair 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; 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; inlet cleaning; sweeping; line striping; communication/detector loop repairs; and right-of-way maintenance, and landscaping, and security items.

CATEGORY E “Monitor”

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

This category covers conditions deemed structurally significant. Defects in this category include the following: concrete shrinkage or settlement cracks, abnormal positions of bearing devices; steelwork corrosion/cracking; superstructure/substructure/ approach misalignments or subsidence; etc.

SECTION V
Staffing Schedule
2019 New Jersey Turnpike Authority Bridge Inspection Program
OPS No. T3668
New Jersey Turnpike – Group 2

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
2019 New Jersey Turnpike Authority Bridge Inspection Program
OPS No. T3669
New Jersey Turnpike – Group 4

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 is reflected in the Consultant's Fee Proposal. Except for overtime worked on construction supervision during permissible contract working hours, approval of overtime must be issued by the Authority. The Fee Proposal shall follow and reflect the staffing schedule as shown in Section V.

Direct expenses shall include only mileage, printing of inspection reports (including the costs of regular paper, colored paper, dividers, covers, photo pages, bindings, labels, and plastic covers), railroad flagging and inspection services, railroad and utility permits/insurance, rental cost for bridge inspection equipment, MPT costs, fuel and tires for rented inspection equipment or TMAs, 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 RFEI or RFP:

DEFINITIONS

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

- a) Contribution – means a contribution reportable as a recipient under "The New Jersey Campaign Contributions and Expenditures Reporting Act." P.L. 1973, c. 83 (C.19:44A-1 et seq.), and implementing regulations set forth at N.J.A.C. 19:25-7 and N.J.A.C. 19:25-10.1 et seq. Through December 31, 2004, contributions in excess

of \$400 during a reporting period were deemed "reportable" under these laws. As of January 1, 2005, that threshold was reduced to contributions in excess of \$300.

- b) Business Entity – means any natural or legal person; business corporation (and any officer, person, or business entity that owns or controls 10% or more of the corporation's stock); professional services corporation (and any of its officers or shareholders); limited liability company (and its members); general partnership (and its partners); limited partnership (and its partners); in the case of a sole proprietorship: the proprietor; a business trust, association or any other legal commercial entity organized under the laws of New Jersey or any other state or foreign jurisdiction, including its principals, officers, or partners. The definition of a business entity also includes (i) all principals who own or control more than 10 percent of the profits or assets of a business entity ; (ii) any subsidiaries directly or indirectly controlled by the business entity; (iii) any political organization organized under section 527 of the Internal Revenue Code that is directly or indirectly controlled by the business entity, other than a candidate committee, election fund, or political party committee; and (iv) if a business entity is a natural person, that person's spouse or child, residing in the same household.

BREACH OF TERMS OF THE LEGISLATION

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

CERTIFICATION AND DISCLOSURE REQUIREMENTS

- a) The Authority shall not enter into a contract to procure from any Business Entity services or any material, supplies or equipment, or to acquire, sell or lease any land or building, where the value of the transaction exceeds \$17,500, if that Business Entity has solicited or made any contribution of money, or pledge of contribution, including in-kind contributions to a candidate committee and/or election fund of any candidate for or holder of the public office of Governor, or to any State, county or municipal political party committee, or legislative leadership committee during specified time periods.
- b) Prior to the award of any contract or agreement, the intended Awardee shall submit the Certification and Disclosure form, certifying that no contributions prohibited by the Legislation have been made by the Business Entity and reporting all contributions the Business Entity made during the preceding four years to any political organization organized under 26 U.S.C.527 of the Internal Revenue Code that also meets the definition of a "continuing political committee" within the means of N.J.S.A. 19:44A-3(n) and N.J.A.C. 19:25-1.7. Failure to submit the required forms will preclude award of a contract under this RFP, as well as future contract opportunities.
- c) Further, the Contractor is required, on a continuing basis, to report any contributions it makes during the term of the contract, and any extension(s) thereof, at the time any such contribution is made.

STATE TREASURER REVIEW

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

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

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

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

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

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

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

2. Reportable contributions (those over \$300.00 in the aggregate) to legislative leadership committees, municipal political party committees, and candidate committees or election funds for Lieutenant Governor are disqualifying contributions in the same manner as reportable contributions to State and county political party committees and candidate committees or election funds for Governor have been disqualifying contributions under Chapter 51.

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

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

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

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

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

SECTION XI
Right to Audit

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

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

SECTION XII

Source Disclosure Certification

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

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

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

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

SECTION XIII

Disclosure of Investment Activities in Iran

Pursuant to N.J.S.A. 52:32-57(a), the bidder must certify that neither the Proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the Proposer is unable to so certify, the Proposer shall provide a detailed and precise description of such activities to the Authority. Each Proposer (and all Subconsultants) shall certify under penalty of perjury, date and return to the Authority the completed form entitled "Disclosure of Investment Activities in Iran" 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 thereunto, are made a part of this OPS. In providing any aid, benefit, or service on behalf of the Authority pursuant to this OPS, the Consultant agrees that the performance shall be in strict compliance with the Act. In the event that the Consultant, its agents, servants, employees, or subconsultants violate or are alleged to have violated the Act during the performance of this OPS, the Consultant shall defend the Authority in any action or administrative proceeding commenced pursuant to this Act. The Consultant shall indemnify, protect, and save harmless the Authority, its agents, servants, and employees from and against any and all suits, claims, losses demands, or damages, or whatever kind or nature arising out of or claimed to arise out of the alleged violation. The Consultant shall at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the Authority grievance procedure, the Consultant agrees to abide by any decision of the Authority which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the Authority or if the Authority incurs any expense to cure a violation of the Act which has been brought pursuant to its grievance procedure, the Consultant shall satisfy and discharge the same at its own expense.

The Authority shall, as soon as practicable after a claim has been made against it, give written notice thereof to the Consultant along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the Authority or any of its agents, servants, and employees, the Authority shall expeditiously forward or have forwarded to the Consultant every demand, complaint, notice, summons, pleading, or other process received by the Authority or its representatives. It is expressly agreed and understood that any approval by the Authority of the services provided by the Consultant pursuant to this contract 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 2 - OPS T3668

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
1	MP 67.27	Turnpike NSI/SNI and Int. 8 Ramps TSI/SIT over Rocky Brook	96	3			5/8/2017
2	MP 67.27NO	Turnpike SNO and Int. 8 Ramp SOT over Rocky Brook	93	1			8/8/2017
3	MP 67.27SO	Turnpike NSO and Int. 8 Ramp TSO over Rocky Brook	96	1			8/8/2017
4	MP 67.47	Turnpike Int. 8 Ramps NT/TS over Turnpike NSO/NSI/SNI/SNO and Int. 8 Ramps TSO/TSI/UTU (at District 4)	462	3			5/8/2017
5	MP 67.47A	Turnpike Int. 8 Ramp SIT over Turnpike SNO	253	2	Y		8/8/2017
6	MP 67.47B	Turnpike Int. 8 Ramp TNI over Turnpike SNO	269	2	Y		8/8/2017
7	MP 67.47C	Turnpike Int. 8 Ramp TSI over Turnpike NSO	271	2	Y		8/15/2017
8	MP 67.47D	Turnpike Int. 8 Ramp NIT over Turnpike NSO	252	2	Y		7/13/2017
9	MP 67.47E	Turnpike UTO (AT MP 67) over Turnpike Int. 8 Ramps NT/ST/TN/TS	206	2			4/28/2017
10	MP 67.47F	Milford Road over Turnpike Int. 8 Ramps ET/WT/TW/TW1	155	1			5/12/2017
11	MP 67.47G	Turnpike Int. 8 Ramps TW/WT over NJ Route 33	259	1			7/10/2017
12	MP 67.47H	Turnpike Ramp SIT over Rocky Brook	93	1			7/10/2017
13	MP 67.89	Turnpike NSI/SNI over NJ Route 33 (Franklin Street)	83	1			3/13/2017
14	MP 67.89NO	Turnpike SNO over NJ Route 33 (Franklin Street)	133	1			8/15/2017
15	MP 67.89SO	Turnpike NSO over NJ Route 33 (Franklin Street)	135	1			8/15/2017
16	MP 68.01	Turnpike NSI/SNI over Monmouth Road (CR 633)	106	3			5/8/2017
17	MP 68.01NO	Turnpike SNO over Monmouth Road (CR 633)	104	1			8/8/2017
18	MP 68.01SO	Turnpike NSO over Monmouth Road (CR 633)	102	1			8/8/2017
19	MP 68.40R	Wycoff's Mill Road over Turnpike NSO/NSI/SNI/SNO	353	3			5/15/2017
20	MP 68.64	Turnpike UTO (at MP 69) over Turnpike NSO/NSI/SNI/SNO	339	3			8/3/2017
21	MP 68.75	Turnpike NSI/SNI over Millstone River	111	3			4/28/2017
22	MP 68.75NO	Turnpike SNO over Millstone River	107	1			8/15/2017
23	MP 68.75SO	Turnpike NSO over Millstone River	107	1			8/15/2017
24	MP 69.27R	Brickyard Road over Turnpike NSO/NSI/SNI/SNO	371	3			5/15/2017
25	MP 69.85NO	Turnpike SNO over Hightstown-Cranbury Station Road	253	2			6/12/2017
26	MP 69.85R	Turnpike NSI/SNI over Hightstown-Cranbury Station Road	248	2			8/15/2017
27	MP 69.85SO	Turnpike NSO over Hightstown-Cranbury Station Road	255	2			6/12/2017
28	MP 70.48R	Cranbury Station Road (CR 615) over Turnpike NSO/NSI/SNI/SNO	339	3			8/8/2017
29	MP 70.74	Turnpike NSI/SNI over Cranbury Brook	41	1			5/15/2017
30	MP 70.74NO	Turnpike SNO over Cranbury Brook	45	1			8/17/2017
31	MP 70.74SO	Turnpike NSO over Cranbury Brook	45	1			8/17/2017
32	MP 71.26R	Cranbury -Half Acre Road over Turnpike NSO/NSI/SNI/SNO and SA 8AS Ramp SASO	436	3			4/10/2017
33	MP 71.37	Turnpike SA 8AS Ramp SASI over Turnpike NSO	312	3	Y		8/3/2017
34	MP 71.46AR	Turnpike SA 8AS Ramps SSP/SPN over Turnpike NSO/NSI/SNI/SNO and SA 8AS Ramp SAS	459	4			6/23/2017
35	MP 72.11R	Prospect Plains Road (CR 614) over Turnpike NSO/NSI/SNI/SNO and SA 8AS Ramp NSA	379	3			5/17/2017
36	MP 72.29	Turnpike 8AS Ramp NISA over Turnpike NSO	321	3	Y		8/3/2017
37	MP 73.10SO	Turnpike NSO over Shallow Brook (Wetlands)	73	1			4/7/2017
38	MP 73.41	Forsgate Drive EB (CR 612) over Turnpike NSO/NSI/SNI/SNO	357	4			4/5/2017
39	MP 73.42R	Forsgate Drive WB (CR 612) over Turnpike NSO/NSI/SNI/SNO	357	4			3/24/2017

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
40	MP 73.68A	Turnpike Int. 8A Ramp SIT over Turnpike SNO	305	3	Y		4/19/2017
41	MP 73.79A	Turnpike Int. 8A Ramp TNI over Turnpike NSO	243	3	Y		4/20/2017
42	MP 73.84	Turnpike Int. 8A Ramp TSI over Turnpike NSI/SNI	266	2			3/17/2017
43	MP 73.89A	Turnpike Int. 8A Ramps TN/ST over Turnpike NSO/NSI/SNI/SNO and Int. 8A Ramps TNO/TNI	527	7			6/9/2017
44	MP 73.89B	Turnpike Int. 8A Ramps WT/TE over NJ Route 32 (Forsgate Drive)	186	2			6/9/2017
45	MP 73.93A	Turnpike Int. 8A Ramp NIT over Turnpike NSO	247	3			5/31/2017
46	MP 74.31	Turnpike NSI/SNI over Conrail "Jamesburg Branch"	125	3			6/2/2017
47	MP 74.31NO	Turnpike SNO over Conrail "Jamesburg Branch"	123	3			6/2/2017
48	MP 74.35SO	Turnpike NSO over Conrail "Jamesburg Branch" and Cranbury-S. River Road (CR 535)	440	6	Y		3/24/2017
49	MP 74.39	Turnpike NSI/SNI over Cranbury-S. River Road (CR 535)	198	3			4/13/2017
50	MP 74.39NO	Turnpike SNO over Cranbury-S. River Road (CR 535)	253	3			4/13/2017
51	MP 75.50	Turnpike UTO (at MP 75) over Turnpike NSO/NSI/SNI/SNO	309	6			6/16/2017
52	MP 75.52	Ridge Road (CR 522) over Turnpike NSO/NSI/SNI/SNO	319	6			5/26/2017
53	MP 75.58NO	Turnpike SNO over Wetlands	128	3			6/5/2017
54	MP 76.10R	Deans-Rhode Hall Road (CR 610) over Turnpike NSO/NSI/SNI/SNO	332	6			6/5/2017
55	MP 77.07R	Davidson's Mill Road over Turnpike NSO/NSI/SNI/SNO	376	6			5/23/2017
56	MP 77.44	Turnpike UTO (at MP 77) over Turnpike NSO/NSI/SNI/SNO	334	6			6/12/2017
57	MP 77.79	Turnpike NSO/NSI over Ireland Brook (Wetlands)	106	1			6/19/2017
58	MP 77.81	Turnpike NSI/SNI/SNO over Ireland Brook	21	1			7/26/2017
59	MP 78.18	Church Lane over Turnpike NSO/NSI/SNI/SNO	331	4			5/23/2017
60	MP 78.46	Turnpike SA 8N Ramp SISA over Turnpike SNO	261	2	Y		4/18/2017
61	MP 79.04	Turnpike SA 8N Ramp SANI over Turnpike SNO	337	3	Y		4/10/2017
62	MP 79.15	Turnpike NSO/NSI over South Branch of Beaverdam Brook (Wetlands)	125	2			6/19/2017
63	MP 79.30	Hardenburg Lane over Turnpike NSO/NSI/SNI/SNO	340	4			6/5/2017
64	MP 79.46SI	Turnpike NSI over North Branch of Beaverdam Brook (Wetlands)	1048	12			5/16/2017
65	MP 79.46SO	Turnpike NSO over North Branch of Beaverdam Brook (Wetlands)	876	10			6/1/2017
66	MP 79.80R	Dutch Road over Turnpike NSO/NSI/SNI/SNO	297	4			4/10/2017
67	MP 80.33	Turnpike NSO over Bog Brook	68	1			5/26/2017
68	MP 80.37	Turnpike SNO over Bog Brook	68	1			5/15/2017
69	MP 80.45R	Main Street-Milltown Road (CR 606) over Turnpike NSO/NSI/SNI/SNO	322	4			4/19/2017
70	MP 80.76NO	Turnpike SNO over Tributary of Westons Mill Pond	40	1			4/28/2017
71	MP 80.76SO	Turnpike NSO over Tributary of Westons Mill Pond	37	1			5/26/2017
72	MP 80.97	Turnpike UTO (at MP 81) over Turnpike NSO/NSI/SNI/SNO	286	5			5/24/2017
73	MP 80.99	Raritan River Railroad (Conrail) over Turnpike NSO/NSI/SNI/SNO	208	4	Y		5/15/2017
74	MP 81.09R	Ryders Lane (CR 617) over Turnpike NSO/NSI/SNI/SNO	523	4			4/10/2017
75	MP 81.58	Turnpike NSI/SNI over Tices Lane	100	3			4/7/2017
76	MP 81.58NO	Turnpike SNO over Tices Lane	103	3			4/5/2017
77	MP 81.58SO	Turnpike NSO over Tices Lane	103	3			4/5/2017
78	MP 81.66	Turnpike NSI/SNI over Sawmill Brook	20	1			4/7/2017
79	MP 81.66NO	Turnpike SNO over Sawmill Brook	76	1			4/5/2017
80	MP 81.66SO	Turnpike NSO over Sawmill Brook	497	6			4/5/2017
81	MP 82.15R	Sullivan Way over Turnpike NSO/NSI/SNI/SNO	269	4			3/22/2017
82	MP 82.95	NJ Route 18 over Turnpike NSO/NSI/SNI/SNO, Westons Mill Road, and Suydam Road	681	6			4/18/2017
83	MP 82.97A	Pedestrian Bridge over NJ Route 18 (at Eggers Street)	100	1	Y		3/13/2017

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
84	MP 83.25	Turnpike Int. 9 Ramp SIT over Turnpike SNO	177	2			6/5/2017
85	MP 83.30	Turnpike Int. 9 Ramp TSI over Turnpike NSO	210	2			6/12/2017
86	MP 83.34BR	NJ Route 18 over Turnpike Int. 9 Ramps TE/WT	86	1			4/21/2017
87	MP 83.34CR	Naricon Place over Turnpike Int. 9 Ramp TW	59	1			4/21/2017
88	MP 83.36	Turnpike Int. 9 Ramp TNI over Turnpike SNO	146	2			6/9/2017
89	MP 83.42	Turnpike Int. 9 Ramps TN/ST over Turnpike NSO/NSI/SNI/SNO and Int. 9 Ramps TNI/TNO	540	6			6/16/2017
90	MP 83.53	Turnpike Int. 9 Ramp NT over Lawrence Brook	252	3			6/21/2017
91	MP 83.55	Turnpike NSI/SNI over Lawrence Brook	197	3			6/21/2017
92	MP 83.55NO	Turnpike SNO over Lawrence Brook	197	3			6/21/2017
93	MP 83.55SO	Turnpike NSO over Lawrence Brook	197	3			6/21/2017
94	MP 83.72	Turnpike Int. 9 Ramp NIT over Turnpike NSO	340	4	Y		4/21/2017
95	MP 84.55N	Turnpike SNI/SNO over Former LVRR "Raritan Branch"	154	3			4/28/2017
96	MP 84.55S	Turnpike NSO/NSI over Former LVRR "Raritan Branch"	154	3			4/28/2017
97	MP 84.94	Meadow Road over Turnpike NSO/NSI/SNI/SNO	358	6			4/19/2017
98	MP 85.68	Woodbridge Avenue (CR 514) over Turnpike NSO/NSI/SNI/SNO	347	6			4/18/2017
99	MP 85.71	Turnpike NSO/NSI/SNI/SNO over Mill Brook	21	1			5/23/2017
100	MP 85.77N	Turnpike SNI/SNO over Turnpike UTU (at MP 86)	109	1			5/1/2017
101	MP 85.77S	Turnpike NSO/NSI over Turnpike UTU (at MP 86)	217	3			5/1/2017
102	MP 86.38	Turnpike NSO/NSI/SNI/SNO over Mill Brook	20	1			6/1/2017
103	MP 86.58	Pedestrian Bridge over Turnpike NSO/NSI/SNI/SNO (at Old Post Road)	338	5	Y		4/10/2017
104	MP 86.59	Old Post Road over Turnpike NSO/NSI/SNI/SNO	349	5			4/10/2017
105	MP 86.65	Turnpike NSO/NSI/SNI/SNO over Mill Brook	21	1			6/5/2017
106	MP 87.10N	Turnpike SNI/SNO over Conrail "Bonhamtown Branch"	157	3			5/10/2017
107	MP 87.10S	Turnpike NSO/NSI over Conrail "Bonhamtown Branch"	146	3			5/10/2017
108	MP 87.27N	Turnpike SNI/SNO over Main Street (CR 531)	131	3			4/18/2017
109	MP 87.27S	Turnpike NSO/NSI over Main Street (CR 531)	131	3			4/18/2017
110	MP 87.76	Turnpike NSO/NSI/SNI/SNO over Mill Brook	21	1			7/26/2017
111	MP 88.05AN	Turnpike Int. 10 Ramp SIT over Turnpike SNO	170	2			6/14/2017
112	MP 88.09A	Turnpike Int. 10 Ramps NT/TS over Turnpike NSO/NSI/SNI/SNO and Int. 10 Ramps TSO/TSI	515	8			6/20/2017
113	MP 88.09B	Turnpike Int. 10 Ramp TW over Woodbridge Avenue (CR 514) and NJDOT Ramp to Woodbridge Avenue	271	4			6/13/2017
114	MP 88.13AN	Turnpike Int. 10 Ramp TNI over Turnpike SNO	130	2			6/13/2017
115	MP 88.28AS	Turnpike Int. 10 Ramp TSI over Turnpike NSO	139	2			6/13/2017
116	MP 88.33AS	Turnpike Int. 10 Ramp NIT over Turnpike NSO	139	2			6/13/2017

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
117	MP 88.69N	Turnpike SNI/SNO over Middlesex Greenway	153	3			6/14/2017
118	MP 88.69S	Turnpike NSO/NSI over Middlesex Greenway	153	3			6/14/2017
119	MP 88.89N	Turnpike SNI/SNO over Amboy Avenue (CR 501)	144	3			3/13/2017
120	MP 88.89S	Turnpike NSO/NSI over Amboy Avenue (CR 501)	144	3			4/5/2017
121	MP 89.15	Grandview Avenue over Turnpike NSO/NSI/SNI/SNO	418	6			4/5/2017
122	MP 89.73	Ford Avenue over Turnpike NSO/NSI/SNI/SNO	322	6			4/11/2017
123	MP 90.10A	Turnpike UTO (at MP 90) over Turnpike NSO/NSI/SNI/SNO	257	2			6/9/2017
124	MP 90.21A	Turnpike Int. 11 Ramp PNT over Turnpike NSO/NSI/SNI/SNO	236	2			7/18/2017
125	MP 90.23U	Main Street (CR 514) over Parkway N/S and Turnpike Interchange 11 Ramps PNT/TPN	463	4	Y		6/9/2017
126	MP 90.84AN	Turnpike SNO and Int. 11 Ramp SOT over Turnpike Int. 11 Ramp SIT	187	3			6/1/2017
127	MP 90.99A	Turnpike Int. 11 Ramp TSI over Turnpike NSI/SNI/SNO	377	6			7/6/2017
128	MP 90.99B	Turnpike Int. 11 Ramp TS over Turnpike Int. 11 Ramp NT	193	3			6/26/2017
129	MP 90.99C	Parkway N/S over Turnpike Int. 11 Ramp PNT	70	1			7/6/2017
130	MP 90.99D	Turnpike Int. 11 Ramps TPS/TK over Parkway N/S	297	4			7/6/2017
131	MP 90.99E	Turnpike Int. 11 Ramp KPN over Turnpike Int. 11 Ramp PST	237	3			6/28/2017
132	MP 90.99G	Turnpike Int. 11 Ramp TK over Turnpike Int. 11 Ramp PNK	186	3			6/26/2017
133	MP 91.02AS	Turnpike NSO over Turnpike Int. 11 Ramp TSO	174	3			5/24/2017
134	MP 91.03A	Turnpike Int. 11 Ramp TSO over Turnpike NSI/SNI/SNO	347	6			5/24/2017
135	MP 91.13	US Route 9 over Turnpike NSI/SNI/SNO	348	6			5/25/2017
136	MP 91.15	Turnpike NSO over US Route 9	181	4			4/18/2017
137	MP 91.32A	Turnpike Int. 11 Ramp NOT over Turnpike NSO/NSI/SNI/SNO	535	8			5/31/2017
138	MP 91.32B	US Route 9 over Turnpike Int. 11 Ramps NT/TN	221	4			5/26/2017
139	MP 91.36A	Turnpike Int. 11 Ramp NIT over Turnpike NSI/SNI/SNO	823	11	Y		5/31/2017
140	MP 91.37AN	Turnpike Int. 11 Ramp TNI over Turnpike SNO	205	3			5/31/2017
141	MP 91.89	NJ Route 35 (Amboy Avenue) over Turnpike NSO/NSI/SNI/SNO	350	4			4/26/2017
142	MP 92.08	Fulton Street over Turnpike NSO/NSI/SNI/SNO	305	4			3/22/2017
143	MP 92.08W	Fulton Street over Legion Place	58	1			3/13/2017
144	MP 92.10	NJ Transit "Jersey Coast Line" over Turnpike NSO/NSI/SNI/SNO	308	4	Y		5/11/2017
145	MP 92.11AR	Turnpike UTO (at MP 92) over Turnpike NSO/NSI/SNI/SNO	276	4			6/26/2017
146	MP 92.51	Woodbridge Avenue (CR 652) over Turnpike NSO/NSI/SNI/SNO	535	4			4/5/2017
147	MP 92.65NI	Turnpike SNI over Woodbridge River	59	1			4/26/2017

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
148	MP 92.65NO	Turnpike SNO and SA 10N Ramp SOSA over Woodbridge River	57	1			4/18/2017
149	MP 92.65SI	Turnpike NSI over Woodbridge River	59	1			5/3/2017
150	MP 92.65SO	Turnpike NSO and SA 10S Ramp SASO over Woodbridge River	59	1			4/28/2017
151	MP 92.69ANR	Turnpike SA 10N Ramp SISA over Turnpike SNO, SA 10N Ramp SOSA, and Woodbridge River	594	7	Y		5/11/2017
152	MP 92.76ASR	Turnpike SA 10S Ramp SASI over Turnpike NSO	660	9	Y		5/3/2017
153	MP 93.11ANR	Turnpike SA 10N Ramp SANI over Turnpike SNO	472	6	Y		5/4/2017
154	MP 93.14ASR	Turnpike SA 10S Ramp NISA over Turnpike NSO and SA 10S Ramp NOSA	508	6	Y		5/4/2017
155	MP 93.27	Port Reading Avenue (CR 604) over Turnpike NSO/NSI/SNI/SNO ,SA 10N/S Ramps NOSA/NISA/SANI/SANO, and 2nd Avenue	504	5			5/9/2017
156	MP 93.81NI	Turnpike SNI over Turnpike UTU (at MP 94) and Reading Railroad	135	3			4/27/2017
157	MP 93.81NO	Turnpike SNO over Turnpike UTU (at MP 94) and Reading Railroad	141	3			4/26/2017
158	MP 93.81SI	Turnpike NSI over Turnpike UTU (at MP 94) and Reading Railroad	141	3			4/27/2017
159	MP 93.81SO	Turnpike NSO over Turnpike UTU (at MP 94) and Reading Railroad	141	3			4/27/2017
160	MP 94.06	Turnpike NSO/NSI/SNI/SNO over Colonial Pipelines	30	3			7/27/2017
161	MP 95.80	Roosevelt Avenue (CR 602) over Turnpike NSO/NSI/SNI/SNO and Int. 12 Ramps SIT/SOT	695	6			3/29/2017
162	MP 95.89ANR	Turnpike Int. 12 Ramp SIT over Turnpike SNO and Conrail	505	6	Y		7/17/2017
163	MP 95.92A	Turnpike Int. 12 Ramp NT/TS over Turnpike NSO/NSI/SNI/SNO and Conrail	799	9			7/17/2017
164	MP 95.92B	Turnpike Int. 12 Ramp SOT over Conrail	263	2			7/17/2017
165	MP 95.95A	Turnpike Int. 12 Ramps ET1/WT over Turnpike Int. 12 Ramps TE2/ET2	1971	2	Y		8/3/2017
166	MP 95.95B	Turnpike Int. 12 Ramps WT/ET/TE over Unnamed Waterway	27	1			8/2/2017
167	MP 95.96ANI	Turnpike Int. 12 Ramp TNI over Turnpike SNO and Conrail	510	5	Y		7/20/2017
168	MP 95.96ANO	Turnpike Int. 12 Ramp TNO over Conrail	472	4			7/20/2017
169	MP 96.05AS	Turnpike NSO over Turnpike Int. 12 Ramps NIT/TSI	177	2			7/20/2017
170	MP 96.23NI	Turnpike SNI over Rahway River	507	7			5/18/2017
171	MP 96.23NO	Turnpike SNO over Rahway River	501	7			4/26/2017
172	MP 96.23SI	Turnpike NSI over Rahway River	506	7			5/17/2017
173	MP 96.23SO	Turnpike NSO over Rahway River	516	7			5/19/2017
174	MP 96.39	Turnpike NSO/NSI/SNI/SNO over Conrail "Linden Branch"	38	1			8/2/2017
175	MP 97.18A	Turnpike UTO (at MP 97) over Turnpike NSO/NSI/SNI/SNO	318	4			7/7/2017

Group 2 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
176	MP 97.19E	Wood Avenue (CR 617) over Conrail	154	3			3/24/2017
177	MP 97.20	Wood Avenue (CR 617) over Turnpike NSO/NSI/SNI/SNO	284	4			3/24/2017
178	MP 97.54NI	Turnpike SNI over Pyles Creek	41	1			4/27/2017
179	MP 97.54NO	Turnpike SNO over Pyles Creek	41	1			4/26/2017
180	MP 97.54SI	Turnpike NSI over Pyles Creek	41	1			5/3/2017
181	MP 97.54SO	Turnpike NSO over Pyles Creek	41	1			4/27/2017
182	MP 98.48	Turnpike NSI/SNI over Morses Creek	184	3			4/26/2017
183	MP 98.48NO	Turnpike SNO over Morses Creek	184	2	Y		4/26/2017
184	MP 98.48SO	Turnpike NSO over Morses Creek	249	2	Y		4/26/2017
185	MP 98.59	Turnpike NSI/SNI over Bayway Salt Water Lines	43	1			6/19/2017
186	MP 98.59SO	Turnpike NSO over Bayway Salt Water Lines	57	1			6/7/2017
187	MP 98.62AN	Turnpike Int. 13 Ramp SOT over Morses Creek	486	5			4/13/2017
188	MP 98.76	Turnpike NSI/SNI and Int. 13 SIT over Railroad Avenue Viaduct	1017	14	Y		4/13/2017
189	MP 98.76NO	Turnpike SNO and Int. 13 SOT over Railroad Avenue Viaduct	2454	33	Y		4/13/2017
190	MP 98.76SO	Turnpike NSO over Railroad Avenue Viaduct	980	13	Y		4/14/2017

Group 2 COURTESY Bridges				
No.	Bridge No.	Bridge Description	Inspection Date	Owner
1	MP 68.32	NJ Route 133 EB over Turnpike NSO/NSI/SNI/SNO	10/19/2017	STATE
2	MP 68.33	NJ Route 133 WB over Turnpike NSO/NSI/SNI/SNO	10/19/2017	STATE
3	MP 88.45	I-287 SB over Turnpike NSO/NSI/SNI/SNO and Int. 10 Ramps NOT/NIT	10/19/2017	STATE
4	MP 88.51	I-287 NB over Turnpike NSO/NSI/SNI/SNO and Int. 10 Ramps NOT/NIT	10/19/2017	STATE

SECTION XVIII
Bridge Listing
Group 4 - OPS T3669

Group 4 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
1	MP 99.05AN	Turnpike Int. 13 Ramp SOT over Turnpike SNO and Railroad	1379	18	Y		4/14/2017
2	MP 99.09	Turnpike NSI/SNI over Bayway Pipes and Linden Sewer	35	2			5/31/2017
3	MP 99.09NO	Turnpike SNO over Bayway Pipes and Linden Sewer	35	3			5/31/2017
4	MP 99.09SO	Turnpike NSO over Bayway Pipes and Linden Sewer	35	3			5/31/2017
5	MP 99.10	Turnpike Int. 13 Ramp SIT over Bayway Utilities and Conrail	1473	19	Y		5/8/2017
6	MP 99.10A	Turnpike Int. 13 Ramp ST over Turnpike NSO/NSI/SNI	883	9	Y		4/13/2017
7	MP 99.13	Turnpike Int. 13 Ramp TS over Bayway Utilities	224	3			4/17/2017
8	MP 99.13AS	Turnpike Int. 13 Ramp TSI over Turnpike NSO and Bayway Utilities	885	12	Y		5/11/2017
9	MP 99.13B	Turnpike Int. 13 Ramp TSO over Bayway Utilities	425	6			4/7/2017
10	MP 99.13C	Former Staten Island Rapid Transit (Abandoned) over Turnpike Int. 13 Ramp TS	57	1			8/11/2017
11	MP 99.34	B&O Railroad and Staten Island Rapid Transit (Abandoned) over Turnpike NSO/NSI/SNI/SNO and Int. 13 Ramp ST	394	6			8/14/2017
12	MP 99.35A	Turnpike Int. 13 Ramp TN over Turnpike NSO/NSI/SNI/SNO and Int. 13 Ramp ST	716	11	Y		7/28/2017
13	MP 99.35B	Turnpike Int 13 Ramp TW over Turnpike Int. 13 Ramps TE/AC/ET/CA	342	6			8/2/2017
14	MP 99.35D	Turnpike Int. 13 Ramps AT/ET over Turnpike Int. 13 Ramp AC	227	5			7/17/2017
15	MP 99.51	Bayway Avenue over Turnpike NSO/NSI/SNI/SNO and Int. 13 Ramps NT/TN	680	11			5/11/2017
16	MP 99.67	Turnpike Int. 13 Ramp NT over Elizabeth River	227	3	Y		8/21/2017
17	MP 99.67ASI	Turnpike Int. 13 Ramp NIT over Turnpike NSO and Elizabeth River	747	10	Y		7/10/2017
18	MP 99.67ASO	Turnpike Int. 13 Ramp NOT over Elizabeth River	760	9	Y		8/21/2017
19	MP 99.70	Turnpike Int. 13 Ramp TN over Elizabeth River	534	7	Y		8/1/2017
20	MP 99.70ANI	Turnpike Int. 13 Ramp TNI over Turnpike SNO and Elizabeth River	577	8	Y		8/3/2017
21	MP 99.70ANO	Turnpike Int. 13 Ramp TNO over Elizabeth River	642	9	Y		8/11/2017
22	MP 99.75	Turnpike NSI/SNI over Elizabeth River	322	4			5/16/2017
23	MP 99.75NO	Turnpike SNO over Elizabeth River	223	3			4/27/2017
24	MP 99.75SO	Turnpike NSO over Elizabeth River	300	4			4/17/2017
25	MP 100.05	Turnpike NSI/SNI over Third Avenue	144	3			3/15/2017
26	MP 100.05NO	Turnpike SNO over Third Avenue	158	3			3/13/2017
27	MP 100.05SO	Turnpike NSO over Third Avenue	142	3			3/15/2017
28	MP 100.15	Turnpike NSI/SNI over Second Avenue	125	3			4/4/2017
29	MP 100.15NO	Turnpike SNO over Second Avenue	132	3			4/4/2017
30	MP 100.15SO	Turnpike NSO over Second Avenue	131	3			4/4/2017
31	MP 100.29	Turnpike NSI/SNI over First Avenue	147	3			4/7/2017
32	MP 100.29NO	Turnpike SNO over First Avenue	151	3	Y		4/7/2017
33	MP 100.29SO	Turnpike NSO over First Avenue	152	3			4/7/2017
34	MP 100.35	Turnpike NSI/SNI over Elizabeth Avenue	159	3			4/7/2017
35	MP 100.35NO	Turnpike SNO over Elizabeth Avenue	161	3	Y		4/7/2017
36	MP 100.35SO	Turnpike NSO over Elizabeth Avenue	162	3			4/7/2017
37	MP 100.40	Turnpike NSI/SNI over Marshall Street	137	3			4/17/2017
38	MP 100.40NO	Turnpike SNO over Marshall Street	142	1			4/17/2017

Group 4 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
39	MP 100.40SO	Turnpike NSO over Marshall Street	141	3			4/17/2017
40	MP 100.45	Turnpike NSI/SNI over Franklin Street	132	3			4/10/2017
41	MP 100.45NO	Turnpike SNO over Franklin Street	137	1			4/17/2017
42	MP 100.45SO	Turnpike NSO over Franklin Street	135	3			4/7/2017
43	MP 100.50	Turnpike NSI/SNI over Fulton Street	126	3			4/14/2017
44	MP 100.50NO	Turnpike SNO over Fulton Street	132	1			4/14/2017
45	MP 100.50SO	Turnpike NSO over Fulton Street	125	3			4/14/2017
46	MP 100.55	Turnpike NSI/SNI over East Jersey Street	128	3			4/14/2017
47	MP 100.55NO	Turnpike SNO over East Jersey Street	128	1			4/14/2017
48	MP 100.55SO	Turnpike NSO over East Jersey Street	128	3			4/10/2017
49	MP 100.60	Turnpike NSI/SNI over Livingston Street	128	3			4/14/2017
50	MP 100.60NO	Turnpike SNO over Livingston Street	124	1			4/14/2017
51	MP 100.60SO	Turnpike NSO over Livingston Street	124	3			4/14/2017
52	MP 100.65	Turnpike NSI/SNI over Former Broadway	102	3			4/7/2017
53	MP 100.65NO	Turnpike SNO over Former Broadway	105	1			4/7/2017
54	MP 100.65SO	Turnpike NSO over Former Broadway	105	3			4/14/2017
55	MP 100.76	Turnpike NSI/SNI over Court Street	117	3			4/14/2017
56	MP 100.76NO	Turnpike SNO over Court Street	125	3			4/14/2017
57	MP 100.76SO	Turnpike NSO over Court Street	123	3			4/14/2017
58	MP 100.81	Turnpike NSI/SNI over Former Magnolia Avenue	135	3			4/13/2017
59	MP 100.81NO	Turnpike SNO over Former Magnolia Avenue	131	3			4/13/2017
60	MP 100.81SO	Turnpike NSO over Former Magnolia Avenue	130	3			4/13/2017
61	MP 100.86	Turnpike NSI/SNI over Former Bond Street	147	3			4/13/2017
62	MP 100.86NO	Turnpike SNO over Former Bond Street	143	3			4/13/2017
63	MP 100.86SO	Turnpike NSO over Former Bond Street	143	3			4/13/2017
64	MP 100.91	Turnpike NSI/SNI over Former Pine Street	166	3			4/10/2017
65	MP 100.91NO	Turnpike SNO over Former Pine Street	167	3			4/10/2017
66	MP 100.91SO	Turnpike NSO over Former Pine Street	168	3			4/10/2017
67	MP 101.03	Turnpike NSI/SNI over Trumbull Street Viaduct	805	8			4/14/2017
68	MP 101.03NO	Turnpike SNO over Trumbull Street Viaduct	820	8			4/14/2017
69	MP 101.03SO	Turnpike NSO over Trumbull Street Viaduct	825	8	Y		4/14/2017
70	MP 101.21	Turnpike NSI/SNI over Turnpike UTU (District 6) and Dowd Avenue	189	3			4/14/2017
71	MP 101.21NO	Turnpike SNO over Turnpike UTU (District 6) and Dowd Avenue	189	3			4/14/2017
72	MP 101.21SO	Turnpike NSO over Turnpike UTU (District 6) and Dowd Avenue	189	3			4/14/2017
73	MP 101.47ANR	Turnpike Int. 13A Ramp SIT over Turnpike SNO and Int. 13A Ramp SOT	710	9	Y		6/2/2017
74	MP 101.53ASR	Turnpike Int. 13A Ramp TSI over Turnpike NSO	299	3	Y		6/6/2017
75	MP 101.53B	Turnpike Int. 13A Ramp TSO over Maintenance Road District 6	37	1			6/15/2017
76	MP 101.54A	Turnpike Int. 13A Ramp TN over Turnpike NSO/NSI/SNI/SNO	583	5	Y		6/15/2017

Group 4 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
77	MP 101.65A	Turnpike Int. 13A Ramps SIT/SOT over Turnpike NSO/ NSI/SNI/SNO and Int. 13A Ramp TNO	779	7	Y		6/16/2017
78	MP 101.65B	North Avenue EB (CR 624) over Turnpike Int. 13A Ramp TWL and NJ Route 81 (Int. 13A Ramps TWX/WXT)	352	4	Y		7/14/2017
79	MP 101.68ASR	Turnpike Int. 13A Ramp NIT over Turnpike NSO	238	3	Y		6/16/2017
80	MP 101.68B	Turnpike Int. 13A Ramp ET over Turnpike Ramp NASE	100	1			7/12/2017
81	MP 101.68C	Turnpike Int. 13A Ramp ET over North Avenue EB (CR 624)	369	3	Y		7/14/2017
82	MP 101.68D	Turnpike Int. 13A Ramps ET/ET1 over Turnpike Int. 13A Ramps WLT/TWL, NJ Route 81 (Int. 13A Ramps TWX/WXT), and North Ave. EB (CR 624)	392	4			8/11/2017
83	MP 101.77	Jersey Gardens Boulevard over Turnpike NSO/NSI/SNI/SNO and Int. 13A Ramps NOT/NIT/TN	533	4			7/12/2017
84	MP 102.10ANR	Turnpike Int. 13A Ramp TNI over Turnpike SNO	674	8	Y		8/2/2017
85	MP 103.41AR	Turnpike UTO (at MP 103) over Turnpike NSO/NSI/SNI/SNO	1277	17			6/7/2017
86	MP 103.53	Turnpike NSI/SNI over Bound Creek	123	8			5/5/2017
87	MP 103.53NO	Turnpike SNO over Bound Creek	123	8			5/5/2017
88	MP 103.53SO	Turnpike NSO over Bound Creek	123	8			5/5/2017
89	MP 104.12AS	Turnpike Int. 14 Ramp TSI over Turnpike NSO	1061	12	Y		7/7/2017
90	MP 104.56AN	Turnpike Int. 14 Ramps SIT/SH over Turnpike SNO	719	8	Y		7/7/2017
91	MP 104.72	Port Street over Turnpike NSO/NSI/SNI/SNO and Int. 14 Ramps TS/SIT/SOT/SE	866	13			8/14/2017
92	MP 104.74A	Turnpike Int. 14 Ramp TNO over Turnpike NSO/NSI/SNI/SNO, Int. 14 Ramp ES and Maintenance Road District 7	641	9			7/7/2017
93	MP 104.74B	Turnpike Int. 14 Ramps EXT/ALT over I-78 Local (Int. 14 Ramp WLT)	99	1			8/17/2017
94	MP 104.82B	Turnpike Int. 14 Ramp NOH/NOT over Maintenance Road District 7	27	1			7/7/2017
95	MP 105.18NO	Turnpike SNO and Ramp TN-14 over Turnpike Int. 14 Ramps ST/ HLT and Railroads	1927	16			3/3/2017
96	MP 105.18SO	Turnpike NSO and Ramp NT-14 over Turnpike Int. 14 Ramps ST/ HLT and Railroads	1890	16			3/3/2017
97	MP 105.56NO	Turnpike SNO over Delancy Street	195	3			3/8/2017
98	MP 105.56NT	Turnpike Ramp NT-14 over Delancy Street	195	3			3/10/2017
99	MP 105.56SO	Turnpike NSO over Delancy Street	195	3			3/9/2017
100	MP 105.56TN	Turnpike Ramp TN-14 over Delancy Street	194	3			3/10/2017
101	MP 105.79NO	Turnpike Ramps SNI-W/SNO-W/SNO-E over Wilson Avenue	168	3			3/3/2017
102	MP 105.79NT	Turnpike Ramp NT-14 over Wilson Avenue	160	3			3/1/2017
103	MP 105.79SO	Turnpike NSO over Wilson Avenue	161	3			3/1/2017
104	MP 105.79TN	Turnpike Ramp TN-14 over Wilson Avenue	165	3			3/3/2017
105	MP 117.16NO	Turnpike SN95 over Overpeck Creek	337	3			4/21/2017
106	MP 117.16SO	Turnpike NS80 over Overpeck Creek	337	3			4/21/2017
107	MP 117.20	Turnpike NS95/SN80 over Bergen Turnpike Utilities	35	2			3/9/2017
108	MP 117.20NO	Turnpike SN95 over Bergen Turnpike Utilities	73	4			3/10/2017
109	MP 117.20SO	Turnpike NS80 over Bergen Turnpike Utilities	60	2			3/9/2017
110	MP 117.27	Bergen Turnpike (CR 124) over Turnpike NS80/NS95/SN80/SN95/ and Int. 18 Ramps TW/TE	330	4			4/7/2017
111	MP 117.63C	Turnpike Int.18 Ramp WT over NJDOT Ramp L	111	1			4/17/2017
112	MP 117.67NI	Turnpike NS80 over US Route 46, Int. 18 Ramps TSO/NOT and NJDOT Ramp L	238	2			4/24/2017
113	MP 117.67NO	Turnpike SN95 over US Route 46, Int. 18 Ramps TSO/NOT and NJDOT Ramp L	330	3			4/24/2017

Group 4 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
114	MP 117.67SI	Turnpike NS95 over US Route 46, Int. 18 Ramps TSO/NOT and NJDOT Ramp L	238	2			4/24/2017
115	MP 117.67SO	Turnpike NS80 over US Route 46, Int. 18 Ramps TSO/TNI/NOT and NJDOT Ramp L	255	2			4/24/2017
116	MP E106.15A	Turnpike SNW over Turnpike E-NSI/E-SNI	756	5	Y		3/29/2017
117	MP E106.20A	Turnpike Ramp TNW-14 over Turnpike Ramps SNO-E/SNI-E/SNE-I/TNE-14	1611	12	Y		3/24/2017
118	MP E106.89A	Turnpike Int. 15E Ramp TNW over Turnpike NSE/SNE	348	4			4/20/2017
119	MP E116.72AN	Turnpike SNW over Turnpike NSE and SN80	1007	7	Y		4/14/2017
120	MP E116.74AS	Turnpike NSW over Turnpike NSE	1250	9	Y		4/14/2017
121	MP E116.80NO	Turnpike SNE over Bergen County Trunk Sewer	146	3			4/14/2017
122	MP W105.93NO	Turnpike Ramps SNI-W/SNO-W over Conrail "Hamburg Branch" (Abandoned)	182	3			3/9/2017
123	MP W106.26AR	Turnpike Ramp NSE-O over Turnpike SNW and Ramps NSW-O/NSW-I/TNW-14	1485	9	Y		3/24/2017
124	MP W106.57	Turnpike NSW/SNW over Conrail "Newark Branch"	417	6			4/14/2017
125	MP W106.68	Turnpike NSW /SNW over Foundry Street	210	3			4/17/2017
126	MP W106.87A	Turnpike Int. 15E Ramps NT/TSW over Turnpike NSW/SNW/NSE/SNE and Int. 15E Ramp TSW	378	4			4/20/2017
127	MP W106.98A	Turnpike Int. 15E Ramp NET over Turnpike NSW/SNW and Int. 15E. Ramp TNW	421	5			4/20/2017
128	MP W108.79A	Turnpike NSW /SNW over Turnpike Int. 15W Ramps TNW/SWT/NET	157	3			4/14/2017
129	MP W108.91	Turnpike NSW /SNW over Conrail "Newark-Hudson Branch" (Abandoned)	181	3			4/26/2017
130	MP W109.16	Turnpike NSW /SNW over NJ Route 7 (Belleville Turnpike)	256	3			3/22/2017
131	MP W109.34	Turnpike NSW /SNW over NJ Transit "Greenwood Lake Branch" (Abandoned)	148	3			4/27/2017
132	MP W110.42	Turnpike NSW /SNW over Sawmill Creek	112	3		Y	5/5/2017
133	MP W111.06	Turnpike NSW /SNW over NJ Transit "Boonton Branch"	271	3			4/14/2017
134	MP W111.19	Turnpike NSW /SNW over Jersey City Water Mains	240	3			4/24/2017
135	MP W111.48	Turnpike NSW /SNW over Berry's Creek Canal	136	4			4/14/2017
136	MP W111.96	Turnpike NSW /SNW over NJ Transit "Mainline Paterson Branch"	240	3			4/21/2017
137	MP W112.67	Turnpike NSW /SNW and Int. 16W Ramp TSW over Berry's Creek Canal	908	9			4/14/2017
138	MP W112.67E	Turnpike Int. 16W Ramp TSW over Infield and NJTA Maintenance Yard	702	11			4/7/2017
139	MP W112.67W	Turnpike Int. 16W Ramp TSW over Berry's Creek Canal	109	2			5/1/2017
140	MP W112.72B	Turnpike Int. 16W Ramp ST over Berry's Creek Canal	462	3			4/7/2017
141	MP W112.72C	Turnpike Int. 16W Ramps TW/TC/ET/CT/WT over Sheraton Plaza Drive	97	1			3/31/2017
142	MP W112.72D	Turnpike Int. 16W Ramps TW/TC/ET/CT over NJ Route 3	197	3			3/31/2017
143	MP W112.72K	Turnpike Int. 16W Ramp TW over Sheraton Plaza Drive	107	1			3/31/2017
144	MP W112.72L	Turnpike Int. 16W Ramp TW over NJ Route 3	137	1			3/31/2017
145	MP W112.72M	Turnpike Int. 16W Ramp TW over Turnpike Int. 16W Ramps CT/TC	462	3			3/31/2017
146	MP W112.85	Turnpike NSW /SNW over NJ Route 3 EB	204	3			3/31/2017

Group 4 Bridge List							
No.	Bridge No.	Bridge Description	Length (ft.)	Span	FCM	UW	Inspection Date
147	MP W112.97	Turnpike NSW /SNW over NJ Route 3 WB	210	3			3/31/2017
148	MP W113.64	Turnpike NSW /SNW over Paterson Plank Road Utilities	55	2			4/6/2017
149	MP W113.65	Turnpike Int. 16W Ramp CNW over Paterson Plank Road Utilities	58	2			3/31/2017
150	MP W113.65A	Turnpike Int. 16W Ramps XW/WX over Paterson Plank Road Utilities	51	1			3/9/2017
151	MP W113.66	Turnpike Int. 16W Ramp NWC over Paterson Plank Road Utilities	86	2			4/19/2017
152	MP W113.68	Paterson Plank Road over Turnpike NSW/SNW	311	4			4/6/2017
153	MP W113.69	Paterson Plank Road over Turnpike Int. 16W Ramps NWC/CNW	600	7			3/9/2017
154	MP W114.05	Turnpike Int. 16W Ramp CNW over Turnpike NSW/SNW	864	10			3/31/2017
155	MP W114.39	Turnpike NSW/SNW and Int. 16W Ramps CNW/NWC over Moonachie Creek	24	1			4/17/2017
156	MP W116.10	Turnpike NSW/SNW over Susquehanna Viaduct	1198	9			3/24/2017
157	MP W116.36SO	Turnpike SN80 over Bergen County Trunk Sewer	234	3			4/7/2017
158	MP 117.83	Emerson Street over Turnpike NS95/SN80/SN80/SN95, Ramps NE/EN, and NJDOT Ramp	453	5			5/1/2017
159	MP 118.90	Turnpike NS95 over I-80 EBL	133	3			5/1/2017
160	MP 118.93	Turnpike SN80 over I-80 Express and EBL	700	8	Y		5/1/2017
161	MP 118.99	Turnpike SN95X/SN95L over I-80 EBL	181	3			5/1/2017
162	MP 119.07	Turnpike NS95 and Ramp LWB95 over I-80 Express	225	3			5/1/2017
163	MP 119.28	Turnpike Ramp LWB95 over I-80 WBL	156	1			5/4/2017
164	MP 119.32	Turnpike NS95L/NS80L/NS95X/NS80X/SN95X/SN80X/SN95L/SN80L over Teaneck Creek	55	1			5/4/2017
165	MP 119.49	Degraw Avenue (CR 56) over Turnpike NS95L/NS95X/SN95X/SN95L and NB Service Road	400	6			5/3/2017
166	MP 120.09	Turnpike SN95X/SN95L over Overpeck Creek	134	2			5/4/2017
167	MP 120.10	Turnpike NS95L/NS95X over Overpeck Creek	130	2			5/4/2017
168	MP 120.46	Turnpike NS95L/NS95X/SN95X/SN95L over NJ Route 93 (Grand Avenue) , Conrail, and Flat Rock Creek	1608	19			5/5/2017
169	MP 120.60	NJ Route 93 (Grand Avenue) over Flat Rock Creek	30	2			5/4/2017
170	MP 120.90	Turnpike NS95L/NS95X/SN95X/SN95L over Broad Avenue	75	1			5/5/2017
171	MP 121.25	Edgewood Road over Turnpike NS95L/NS95X/SN95X/SN95L	224	1			4/17/2017

Group 4 COURTESY Bridges				
No.	Bridge No.	Bridge Description	Inspection Date	Owner
1	MP 99.42	I-278 EB (Goethals Bridge) over Turnpike NSO/NSI/SNI/SNO, Int. 13 Ramps NT/TN	8/8/2017	PANYNJ
2	MP 99.44	I-278 WB (Goethals Bridge) over Turnpike NSO/NSI/SNI/SNO, Int. 13 Ramps NT/TN	8/8/2017	PANYNJ
3	MP 101.93	North Avenue WB (CR 624) over Turnpike NSO/NSI/SNI/SNO and Int. 13A Ramp TN	8/23/2017	PANYNJ
4	MP 101.94	North Avenue EB (CR 624) over Turnpike NSO/NSI/SNI/SNO and Int. 13A Ramp TN	8/23/2017	PANYNJ