

April 17, 2020

To: ALL CONSULTANTS

Subject: REQUEST FOR EXPRESSIONS OF INTEREST
ORDER FOR PROFESSIONAL SERVICES NO. A3728
PHASE I SCOUR EVALUATION-SCREENING AND PRIORITIZATION
OF VARIOUS TURNPIKE AND PARKWAY BRIDGES

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

Profile Codes	Descriptions
A090	Bridges: New
A091	Bridges: Widening and Modifications

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 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 solicitation is for professional services required for Phase I Scour Evaluation for select bridges on the Garden State Parkway and New Jersey Turnpike, which will identify the bridges that are most likely to be susceptible to scour damage during a significant storm event, and establish a prioritized list for a future Phase II (in-depth) Evaluation.

Project Description

The New Jersey Turnpike Authority (Authority) is responsible for approximately 1,082 bridge structures on the New Jersey Turnpike and Garden State Parkway, consisting of 19 major bridges and 1,063 routine bridges. All of the bridges are inspected on a two-year cycle to comply with the federally mandated National Bridge Inspection Standards (NBIS). The status of a bridge regarding its vulnerability to scour is evaluated in conjunction with the NBIS-mandated biennial inspections for those bridges over waterways.

The group of selected bridges in this OPS (see Section XVIII), includes a total of 7 major bridges and 123 routine bridges over waterways. In 1992, all 7 major bridges and 93 of the 123 routine bridges underwent a Stage I Scour Evaluation in accordance with the New Jersey Department of Transportation's Stage I Guidelines and Procedures.

The purpose of this assignment is to perform the first phase (Phase I) of a two-phased scour evaluation, which includes preparation of individual Phase I Scour Evaluation Reports for each of the 130 bridges included in this OPS. The reports include the preparation of scour vulnerability analyses and a prioritized list of bridges which are recommended for future Phase II Scour Evaluation. The report format will follow the standard requirements for the New Jersey Turnpike Authority bridge inspection program and shall utilize proprietary software provided by Bentley (InspectTech) to develop the reports. The consultant shall identify and prioritize the risk associated with scour for each bridge, and make recommendations for tasks to be performed in future phases such as: additional surveys and/or borings; a plan for special monitoring; post flood inspections; and/or hydraulic computer modeling. The Authority may advance the Phase II Scour Evaluation, permitting, and design services for scour countermeasure for the bridges on the prioritized list in a future assignment(s). The consultant's reports and prioritized list shall consider general hydraulic assessment, foundation vulnerability assessment, review of inspection data and any other applicable factors. The specific services for this solicitation can be found in the scope of work of Section IV "Scope of Services" attached herewith.

Project background materials (inspection reports, Stage I scour reports, etc.) will be available for review electronically through the Authority's Secure File Sharing site. Access to the secure work space will be provided to all prequalified and eligible Consultants via e-mail as part of the RFEI notification process. If there are any questions or issues related to the Secure File Sharing site, please contact Yilun (Frank) Yao via e-mail at yao@njta.com. The subject line should read "OPS No. A3728, Secure File Sharing Site Information."

Staff Qualifications

The Consultant's key project personnel shall have relevant training and experience demonstrating:

- Prior experience and knowledge in preparing scour evaluation reports and studies of this nature for similar bridges.
- Thorough knowledge of stream stability assessment, geomorphic assessment, hydrologic/hydraulic analysis, scour analysis, bridge scour countermeasures and stream instability countermeasures.
- Thorough knowledge of stream bed and bank material classification and bridge foundation analysis with scour impact.
- Thorough knowledge of environmental permitting including experience in evaluating environmental impacts associated with bridge and stream instability countermeasure projects.
- The Consultant's Project Engineer responsible for the scour evaluation and prioritization shall meet the following minimum qualification criteria: (1) 10 years of full time experience, acceptable to the Authority, involved in stream stability evaluation, hydrologic modeling, bridge scour evaluation, preparation of a bridge scour plan of action and scour countermeasure design and (2) registered as a Licensed Professional Engineer in the State of New Jersey.

EI Submission Requirements

To be considered for these services, qualified Firms or prequalified Joint Ventures need to submit **six (6) hard copies and one (1) digital copy on flash drive** of their EOI, which must contain the following:

1. **Letter of Interest** not exceeding six (6) single-sided, letter-sized pages with minimum 1-inch borders and minimum font size of 10 pt., stating the Firm's interest, ability and its commitment to complete the requested professional services listed in this solicitation and in their EOI.

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 performed by the Firm and its relevance to the proposed assignment. It shall identify the Firm's office(s) the work was performed from, the date (time frame) the services were performed, magnitude and cost of the project, and contact/reference information for each project listed.

b. Experience of the Project Manager on Similar Projects

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

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

c. Key Personnel's Qualifications and Relevant Experience

The Firm shall identify the Project Engineer 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 qualifications, and state how they relate to the Firm's ability to provide the requested services. Through attached organizational chart and resumes identify the person(s), or subconsultant(s), responsible for each division of the assignment and their relevant experience.

Understanding of the Project

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

Understanding of the Authority's Needs

The Firm shall demonstrate that they fully understand the needs of the Authority as it relates to the specific scope-of-work identified in the RFEOI. The Firm must confirm the deliverables and the schedule for design and construction associated with project specific deliverables. The Firm should also discuss project management items, including deliverables such as submittal of wage rate approvals and invoicing.

Reasonableness of Staffing Estimate

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

e. Approach to the Project

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

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

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

Commitment and Ability to Perform the Project

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

Outstanding Work with the Authority

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

g. Commitment to Quality Management

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

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

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

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

2. **The Firm shall include a one page of preliminary procedure or flow chart for scour screening and prioritization.**
3. **An organizational chart** showing key project team members for all primary tasks, including subconsultants. Provide all team members' names, titles and reporting relationships.
4. **Resumes for the Project Manager and each Key Project team member**, (a maximum total of 5) 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.

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.
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 (1) 11"x17" pages.
7. **Recent Authority Project Experience Forms** 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** (which is available on the Authority's website) for review by the Authority's legal counsel. Forms for each Firm, each member of a joint venture and all sub-consultants shall be submitted. Firm shall certify that it is not suspended, disbarred or disqualified from bidding on any state or federal projects. Furthermore, no litigation shall be pending or brought against the Firm that could materially affect its ability to perform the OPS described herein. Firm shall submit a description of all litigation pending, threatened or brought against it, including any litigation against its owners and/or principals; and shall also submit a description of any enforcement actions or penalties pending or assessed by any regulatory agency having jurisdiction over permit compliance, worker health and safety, or labor laws, as these issues relate to performance of the OPS described herein.
9. A completed **Disclosure Form – Outstanding Work with the Authority** (which is available on the Authority's website) stating all outstanding work with the Authority for both New Jersey Turnpike and Garden State Parkway projects. Forms for each Firm, each member of a joint venture and all sub-consultants shall be submitted. State "none" on the form if Firm, joint venture or sub-consultant has no outstanding work with the Authority. **It is specifically noted that the Authority's Disclosure Form shall be submitted with the EOI. Consultants may separate types of work by category (i.e.: Design Services, Construction Services, Environmental Services, etc.) however, the "Total" amounts stated at the bottom of the page shall be the combined total amounts of all outstanding work with the Authority as identified on the form.**
10. A completed **Commitments of Proposed Project Staff** form (which is available on the Authority's website) stating the percentage of time each member has available to commit to this assignment, including subconsultant staff.
11. A completed **Certification of Staff Availability** form (which is available on the Authority's website) the Firm shall certify that the staff proposed in the EOI shall be used in the performance of the project. When proposing the same staffing in multiple EOIs, disclose one of the following:
 - A. A statement that all projects utilizing same staff will be completed on time and how this will be done, or
 - B. A statement that the Firm voluntarily withdraws one of the EOIs from further consideration if the Authority is giving serious consideration to more than one EOI, or
 - C. Alternate staff resumes to be used by the Authority in evaluating EOIs if the Authority is giving serious consideration to more than one EOI.
12. A completed **SBE Form – Proposed Schedule of Small Business Enterprise Participation** (which is available on the Authority's website). 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*

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

EOIs are limited to a total of eleven (11), single-sided, letter size pages, comprised of the following: **Letter of Interest**, not exceed six (6) 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 permitted for the Project Schedule only.

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
- 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

The aforementioned eleven (11) page limitation shall be increased to a maximum of seventeen (17) pages, if the Consultant must exercise option 10C above. The additional six (6) single-sided letter-sized pages shall include information for alternate staffing as follows:

- 1) An alternate Organizational Chart as permitted above showing key personnel names, position, title and reporting relationships (Note: Organizational Chart is not included in the page count).
- 2) One (1) page, single-sided resume for up to five (5) alternative key project personnel stating relevant experience including dates of assignments and professional qualifications.
- 3) Allowance for one (1) page, if necessary, to explain the consultant's modified approach to the project if it would be handled differently as a result of utilizing the alternate personnel.

The Consultant shall not include alternate staffing in their Expression of Interest unless they are required to do so in accordance with Option C. If included in the EOI, the proposed alternative staffing information shall be contained in a separate section of the EOI. It shall only be considered by the Authority in the scoring of the EOI if required.

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 May 8, 2020. 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
Yilun (Frank) Yao, 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
Yilun (Frank) Yao, P.E., Project Engineer

Inquiries

Inquiries pertaining to this RFEOI are to be directed in writing to Yilun (Frank) Yao, P.E., Project Engineer, New Jersey Turnpike Authority, PO Box 5042, Woodbridge, New Jersey 07095-5042. E-mail inquiries to yao@njta.com are acceptable. The subject line should read "OPS No. A3728, RFEOI Inquiry." Inquiries by FAX are also acceptable. The Fax number is (732) 750-5395. **The deadline for inquiries is April 24, 2020.** The Authority will respond to all written inquiries received. **Each inquiry will be stated and a written response provided. Responses will be posted on the Authority's website under *Doing Business, Current Solicitations* on or before April 29, 2020.** Consultants will be responsible for submitting their EOs in accordance with the RFEOI and any modifications, revisions and/or clarifications thereto as a result of the posted responses. Late inquiries may not be reviewed or considered.

Consultant Selection

A consultant selection will be made from the EOs 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 EOs 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.

The EOs 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
Key Personnel's Qualifications and Relevant Experience	20	60
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	10	30
Attainment of SBE Participation Goals	5	15
	100%	300

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

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

Order for Professional Services
(OPS)

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

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

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

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

Attached please find additional information regarding EOI, RFP and project requirements.

Very truly yours,

ORIGINAL SIGNED BY

Robert J. Fischer, P.E.
Chief Engineer

RJF/FY/ ms

Attachments

c: J. L. Williams, P.E.
W. Wilson, P.E.
F. Yao, P.E.
Review Committee
File

Supplemental Information

Regarding EOI and Project

Requirements

Dated April 17, 2020

for

Order for Professional Services No. A3728

Phase I Scour Evaluation-Screening and Prioritization
of Various Turnpike and Parkway Bridges

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

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.	Diane B. Allen Equal Pay Act
XVIII.	Bridges List

SECTION I
Prequalified and Eligible Consultants

AECOM Technical Services	LS Engineering Associates Corporation
AmerCom Corporation	Malick & Scherer, P.C.
Arora and Associates, P.C.	McCormick Taylor, Inc.
ATANE Engineers, Architects and Land Surveyors, P.C.	McLaren Engineering Group
Atkins North America, Inc.	Michael Baker International, Inc.
Boswell Engineering	Mott MacDonald LLC
Buchart-Horn, Inc.	MP Engineers, P.C.
CDM Smith Inc.	NAIK Consulting Group, P.C.
CHA Consulting, Inc.	NV5,Inc.
Churchill Consulting Engineers, PC	Paulus, Sokolowski & Sartor, LLC.
CME Associates	Pennoni Associates, Inc.
Dewberry Engineers Inc.	Pickering, Corts & Summerson, Inc.
French & Parrello Associates, P.A.	Remington & Vernick Engineers
Gannett Fleming, Inc.	SJH Engineering, P.C.
Greenman-Pedersen, Inc.	Stantec Consulting Services, Inc.
Hardesty & Hanover, LLC	STV Incorporated
HDR Engineering, Inc.	T&M Associates
IH Engineers, P.C.	T.Y. Lin International
Info Tran Engineers, PC	Taylor, Wiseman & Taylor
Jacobs Engineering Group Inc.	Tectonic Engineering & Surveying Consultants P.C.
Johnson, Mirmiran & Thompson, Inc.	TranSystems Corporation
Keller Engineers of New Jersey, LLC	Urban Engineers, Inc.
Kimley-Horn and Associates, Inc.	Van Cleef Engineering Associates, LLC
KMA Consulting Engineers, Inc.	W.J. Castle P.E. and Associates P.C.
KS Engineers, P.C.	WSP USA Inc.
LiRo Engineers, Inc.	Yu & Associates, 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 must be signed by an officer of the Firm authorized to make a binding commitment.

Incurring Costs

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

Addendum to EOI Solicitations

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

Acceptance and Rejection of EOIs and Proposals

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

Dissemination of Information

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

News Releases

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

Public Records

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

Section III

OPS Procurement and Project Schedule

The Consultant will be required to submit, at the project kick-off meeting, a preliminary project schedule covering the scope of work based on OPS requirements and the following timetable:

Posted	April 17, 2020
Deadline for Inquiries	April 24, 2020
Posted Responses to Inquiries	April 29, 2020
Submittal of Expressions of Interest	May 8, 2020
Recommendation to Award OPS	July 28, 2020
Notice to Proceed (Anticipated)	September 7, 2020
Submission of Screening and Prioritization Procedure	October 5, 2020
Submission of Format Reports and Prioritization List Template	January 11, 2021
Submission of Draft Reports and Prioritization List	June 14, 2021
Submission of Final Reports and Prioritization List	September 7, 2021

SECTION IV
Scope of Services

The proposed scope and technical approach of this service should be thoroughly defined by the Consultant, and should include:

A. GENERAL

1. All services provided by the Consultant shall be in strict conformance with Authority's standards of quality as may be found in the Standard Specifications, Standard Drawings and the Authority's Design and Procedures Manuals (all are available on the Authority's website).
2. The core intent of services is to clearly identify, accommodate, and/or expedite elimination of potential impacts to the project so that the Authority may retain a consultant for final design services who may then advance the final construction contract documents without undue delay.
3. The Consultant shall be responsible for the thorough understanding of the project requirements including the applicable codes and regulations governing the scour analysis. The Consultant shall become familiar with the NJTA's procedures, presentation and coordinating requirements necessary for the effective performance of the project.
4. The Consultant shall perform all duties and responsibilities required for this assignment. For the purpose of this RFEOI and subsequent Request for Fee Proposals, the terms "Consultant" and/or "Firms" which are used throughout these documents shall not only mean the Engineering Firm, but also Joint Ventures and/or sub-consultants retained by the Engineering Firm for this assignment.
5. It will be the Consultant's responsibility to bring to the attention of the Authority in the Expression of Interest, or during preparation of the Expression of Interest, any errors, omissions and non-compliance discovered in the "Scope of Services Section". By neglecting to do so, the Consultant will be responsible to make resulting design changes without additional compensation.
6. 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 design or bridge inspection projects. A TCC will not be required for shoulder closings installed by the consultant or vendor. Refer to Specifications Subparagraph 801.03(A)(6)

for TCC requirements and certification which shall apply to design and bridge inspection assignments involving lane and half ramp closings.

B. PROJECT COORDINATION

1. NJTA Coordination

- a. The Consultant shall coordinate its activities with NJTA personnel throughout the course of this OPS. Early on the Consultant will establish a means of coordinating and reporting its activities with the Authority's Engineer 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.
- b. The Consultant shall submit a project schedule upon the OPS' notice to proceed in MS Project 2016 or higher, for review and approval by the Authority. Monthly updates, reflecting the baseline schedule shall be submitted both electronically and in hardcopy in support of the monthly progress reports. The schedule shall be resource loaded and provide monthly earned value analysis reports. Submission milestones shall be presented in conjunction with elements contained within the Expression of Interest.
- c. 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 Finance and Budget Department within 15 calendar days of the end of each billing period. Standard reporting forms will be provided by the Authority at the project's kick-off meeting.
- d. The Consultant shall notify the Authority's Liaison Engineer immediately, if and when the percent fee expended exceeds the assignment percent complete. The Consultant shall implement, at once, the necessary adjustments and/or make recommendations how to alleviate this condition. Failure to do so will put the Consultant at risk of having to absorb any costs he may incur above and beyond the authorized fee.
- e. It is specifically noted herein that the document review process by the Authority or its representatives is intended to be a review of the documents in a general manner. Review submissions and comments shall not be construed as a comprehensive review or detailed check of the consultant's work by the Authority or its representatives. It remains the Consultant's professional responsibility to prepare all documents in accordance with proper engineering criteria and sound professional engineering judgment. The Consultant is responsible to the Authority for the work of its subconsultants. The Consultant is completely responsible for all design documents, reports, supporting documentation, etc., that they prepare and it remains their responsibility to ensure the integrity of the design and their work.
- f. The Consultant shall allow for a minimum three (3) week review period by the Authority for each submission. The Consultant may, at his own discretion, proceed during the Authority's review period on selected areas of the project. However, any delays caused by the Authority's review process shall not be sufficient reason for additional compensation.

2. Other Agency Coordination

- a. The Consultant will be responsible for coordinating project needs with other agencies, including the USCG, USACE, NJDEP, NJDOT, NJ Sports and Exposition Facilities (Meadowlands), MetLife Stadium, the Hudson-Essex-Passaic Soil Conservation District and/or counties and municipalities.

C. SPECIFIC REQUIREMENTS, CONDITIONS AND SUBMISSIONS

The New Jersey Turnpike Authority (Authority) is responsible for approximately 1,082 bridge structures on the New Jersey Turnpike and Garden State Parkway, consisting of 18 major bridges and 1,064 routine bridges. All

18 major bridges and 1,064 routine bridges are inspected on a two-year cycle to comply with the federally mandated National Bridge Inspection Standards (NBIS). The status of bridge regarding its vulnerability to scour is evaluated in conjunction with the NBIS-mandated biennial inspections for those bridges spanning over waterway.

The selected bridges in this OPS, include a total of seven (7) major bridges and 123 routine bridges over waterway. In 1992, all the 7 major bridges and 93 of 123 routine bridges had Stage I Scour Evaluation performed in accordance with the New Jersey Department of Transportation's Stage I Guidelines and Procedures.

The purpose of this assignment is to provide the Authority with individual Phase I scour evaluation reports for each of the 130 bridges in this OPS and a prioritized list of bridges which are recommended for further phase II scour evaluation.

The Consultant is responsible for undertaking any and all activities required to prepare contract documents and all ancillary activities to effectuate the analysis and prioritization process. As such, it is anticipated that the Consultant will be required to perform, at a minimum, the services outlined below. It is, however, expressly stated that the Consultant is responsible to account for any and all work activities, whether identified below or not, necessary for the total performance of this assignment. The Consultant shall account for all work activities required for this project and shall identify any additional services that will be required for the total performance of this assignment.

1. **Data Collection** – The Authority will provide the access of available Stage I Scour Evaluation Reports, NBIS inspection reports and as-built plans for the bridges in this OPS. The Consultant will be responsible for required data collection, site visits, and field data collections/verification.
2. **Screening and Prioritization Procedure** – The Consultant shall create a detailed screening and prioritization procedure. The procedure shall include but not be limited to a Screening Flow Chart, Inventory Assessment Summary Sheets and Scour Vulnerability Rating Procedure. The detailed procedure shall be submitted within 20 working days after kick-off meeting for approval. The Authority will finish the review within 20 working days. **Performing a detailed field survey and building a hydraulic computer models are not anticipated in this OPS.** Those engineering services shall be recommended for the bridges determined to be high risk of scour in the future assignments.
3. **Office Reconnaissance** - The Consultant shall review the current available documents including the existing Stage I scour reports, bridge plans, at least three cycles of NBIS inspection reports and latest flood information from FEMA to prepare Draft and Final Phase I Scour Report. The inspection reports should be reviewed for indications of past or current scour problems including review of Substructure, Channel & Channel Protection, and Waterway Adequacy fields in the inspection reports. The Consultant should be responsible for any additional information collection, which the existing available documents do not provide adequately.
4. **General Hydraulic Assessment** – For riverine bridges, the Consultant will be responsible for defining and classifying stream characteristics including: evaluating stream stability; assessing stream response; scour susceptibility analysis. For bridges over tidal waterways, the services shall include but not be limited to: qualitative evaluation of the stability of the inlet or estuary; estimating the magnitude of the tides; storm surges, and flow in the tidal waterway; and attempting to determine whether the hydraulic analysis depends on tidal or river condition or both; and engineering analysis necessary to obtain the velocity, depths and discharge for tidal waterway to be used in determining long-term aggradation, degradation, contraction scour and local scour.
5. **Bridge Foundation Assessment** – The Consultant shall evaluate the relative vulnerability of a bridge to scour considering factors that affect the bridge foundation. The evaluation shall consider but not be limited to: existing scour countermeasures; bridge foundation types; substructure location on river bend; angle of inclination; embankment encroachment; and total number of substructures in floodplain.

6. **Scour Vulnerability Rating**– The Consultant shall perform bridge scour vulnerability calculations to provide a uniform measure of a structure’s vulnerability to failure on the basis of the likelihood of a failure occurring and the consequences of a failure. Various scour vulnerability analyses have been used by many agencies at similar points in their scour evaluation programs. A number of methodologies are available to complete the analysis and to estimate scour potential with limited information and without completing a full scour evaluation with an interdisciplinary team.
7. **Prioritized List for Phase II (In-Depth) Scour Evaluation** – Based up the results of general hydraulic assessment, bridge foundation assessment and scour vulnerability rating, the Consultant shall propose a prioritized list for phase II scour evaluation for the bridges with high scour risk and special monitoring plan for the bridges with low scour risk. The methodology for ranking shall be detailed in a letter report. Information to determine ranking is expected to be extracted directly from the Phase I report data in IT. All NBIS and bridge inventory data is available for use in the ranking model.
8. **Format Reports and Prioritization List Template**
 - (a) The Consultant will be responsible for coordinating with the Authority and the Authority’s Bridge Inspection Program Technical Manager (BIPTM) to transfer inspection data into the InspectTech system. The Consultant shall request from the Authority read/write access for scour data input. It is anticipated that the Consultant will be able to obtain access to the Authority’s InspectTech system through the internet web address. The Consultant is not responsible for any costs associated with hardware and software licenses.
 - (b) Individual Scour Evaluation Report Template – The Authority is currently updating its report templates within InspectTech. The Consultant shall assist the Authority’s Liaison Engineer and Authority’s BIPTM in developing and finalizing the Individual Scour Evaluation Report format. It is anticipated that the Authority’s BIPTM shall modify the InspectTech system to reflect the finalized Report format. The Consultant shall then enter all scour evaluation information directly into the InspectTech system based on the final format, and shall generate the Individual Reports from InspectTech.
9. **Draft Report Submission**- The Consultant shall submit a draft report for each bridge to the BIPTM. An initial group of five (5) format reports will be pre-selected for review based on the Consultant’s submitted schedule. In addition to the format reports, 10% of draft reports (15 of 125) 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 90% not reviewed. Draft reports shall be submitted in electronic format (pdf). The BIPTM will establish FTP sites to upload the reports.
10. **Final Reports Submission**- Hard copies of reports are not required to be submitted. Final reports shall be provided as PDF files on CDs, DVDs, or flash drives and uploaded to InspectTech at project completion. Each of the reports shall be named (GSP or TPK)_Phase I Scour Evaluation Report_Structure_Number.file extension. Examples include “GSP_Phase I Scour Evaluation Report _28.0S.pdf”, and TPK_Phase I Scour Evaluation Report _96.23Sl.pdf”. All reports shall be placed together in one folder or subfolder set up specifically for bridge inspection reports only. Sounding files shall be included under a separate folder titled “Working Files”.

A. REFERENCE REGULATION AND GUIDELINES:

1. New Jersey Turnpike Authority (NJTA)
 - NJTA Standard Specifications
 - NJTA Design Manual
 - NJTA Bridge Inspection Security Measures

2. Bridge Scour Evaluation Methodology

U.S. Department of Transportation Federal Highway Administration (FHWA)

"Hydraulic Engineering Circular No. 20, Stream Stability at Highway Structures", Fourth Edition

"Hydraulic Engineering Circular No. 18, Evaluating Scour at Bridges", Fifth Edition

B. GENERAL REQUIREMENTS AND CONDITIONS

1. All printing and compilation of submission documents will be performed by the Consultant as defined previously.
2. 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.
3. The Consultant shall not assign this Order for Professional Services, sublet, or transfer any part of the work or obligations hereunder, without the prior written approval of the Authority.
4. The Consultant shall comply with all Federal and State laws applicable for the work to be performed under this Order for Professional Services.
5. Reimbursable direct expenses are defined in Section VI, Compensation Basis.
6. All field work on the NJ Turnpike shall be performed behind guiderail or other roadside barriers, where feasible. Work conducted in a closed lane or shoulder shall be performed in accordance with the Standard TP Drawings. The Consultant shall be responsible for all costs associated with MPT on Authority roadways required for the field work.
7. The Consultant shall obtain a Traffic Permit prior to performing any work on the Authority's Right-of-Way.
8. Field Personnel shall wear safety vests at all times. Safety vests shall be open front vests meeting the ANSI Specification for High Visibility Class 3 Safety Apparel.
9. Shoulder and lane closings necessary for inspection work or field survey shall be provided and maintained by the Consultant. A schedule of the lane/shoulder closings as well as slowdowns shall be submitted on a prescribed form to the Authority in accordance with the NJTA Manual for Traffic Control in Work Zones.
10. For any work over active railroad lines (NJ Transit, Amtrak, Conrail, CSX, Norfolk Southern, Shared Assets, etc.) the Consultant shall have their field person complete safety training as required by the respective outside agency. The Consultant shall obtain railroad/utility permits and flagging necessary to access and perform work. For purposes of estimating the costs for permits, flagging, railroad insurance, and inspection services, the Consultant shall assume a value of \$5,000 unless upon review of all requirements it is expected to exceed these values. The estimated expense shall be listed separately in the Fee Proposals. The Authority's Liaison Engineer will make initial contact with Railroads to establish proper channel of communication and resolve possible technical issues with railroads.
11. The Consultant shall furnish specialized equipment as needed to perform the detailed evaluations and inspections. Reimbursement for special inspection equipment will be made as a direct expense.
12. The Consultant shall include time for attendance at a minimum of four meetings over the duration of this project. The Project Manager and Project Engineer are required to attend these meetings, which will include a kick-off meeting with Authority staff and BIPTM and three meetings to review, format, draft and final deliverables.
13. All correspondence, invoices and transmittals for the project shall be referenced by the NJTA's Order for Professional Services Number A3728. Invoices will not be processed before the progress report for that month's activities have been submitted.

14. Reimbursement for any additional costs incurred by the Consultant due to circumstances beyond the control of the Consultant, such as down time for inclement weather, shall be approved by the Authority's Liaison Engineer. The Authority's Liaison Engineer will have sole discretion in determining if circumstances are beyond the control of the Consultant, which warrants compensation for additional work and expenses.

In the proposal, the Consultant shall comment on the appropriateness of the schedule and indicate the Consultant's intention to comply with the schedule, or alternatively, offer for consideration an amended schedule. 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.

SECTION V
Staffing Estimate

OPS No. A3728:
Bridge Phase I Scour Evaluation – Screening and Prioritization

Hours/Tasks								
Classification (ASCE-Grade)	Management	Data Collection	Office Reconnaissance	Bridge Scour Assessment	Scour Evaluation Report	Prioritization	Unanticipated Services (If and Where Directed)	Total Hours
Project Manager (VIII)							24	
QA/QC Officer (VI or VII)							16	
Project Engineer (VI)							220	
Senior Engineer (V)							240	
Engineer (IV)							240	
Drafter/Tech (ET-4, ET-5)							24	
Other-Specify ()							16	
Total Hours							780	

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

SECTION VI Compensation Basis

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

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

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

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

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

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

The Fee Proposal, when requested, shall detail time (hours) and direct salary data for classifications conforming to ASCE Professional and Technical Grades, as shown on the staffing estimate 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 proposed 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 estimate as shown in Section V.

As the service proceeds, there may be certain services of a special nature, or Unanticipated Services, necessary to advance the design, which cannot be completely identified at this time. In order to fully support the Authority without undue delays, **the Consultant shall make an allowance in the total amount of 780 hours for 'Unanticipated Services' in the EOI.** The hours shall be distributed appropriately among the proposed staff as provided in the attached Staffing Schedule. **Work may only be undertaken subsequent to written authorization by the Authority's Project Engineer.**

Direct expenses shall include approved subconsultant services, mileage, test pits, Utility Work Orders, vendor invoiced printing of phase submission documents, final documents, Mylar's, final plans in .PDF format, meeting displays/exhibits, and permit application fees. Mileage will be paid at the prevailing rate. Mileage will be reimbursed for travel between the Consultant's local office and the project site, Turnpike Authority offices, and meetings required by the Authority or its representatives, including the return trip. 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.qsa.gov/perdiem. Compensation for lodging and meals must be approved in advanced 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 its 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 Revenue & Enterprise Services ("Division") 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 in the performance of certain Orders for Professional Services (OPS). Your Expression of Interest (EOI) must include either (1) evidence of the use subconsultants who are registered with the Division as a SBE, or (2) demonstration of a good faith effort, to meet the goal of awarding at least twenty-five (25%) percent of the total value of the OPS to. During the RFP portion of this procurement, as part of the fee negotiation process, Firms must submit proof of their subconsultants' SBE registration(s). In the event that a Firm cannot comply with the goal set forth above, prior to the time of the award, the Firm must demonstrate to the Authority's satisfaction that a good faith effort was made to accomplish the above stated goal.

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

If the Consultant, for any reason, at any time during the course of the OPS, intends to make any additions, deletions or substitutions to the list of Firms on the SBE form submitted to the Authority, the Consultant shall submit such

proposed changes for approval. Any such proposed changes must comply with the requirements and procedures set forth herein.

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

1. Consultant shall request a listing of small businesses from the Division and the Authority and attempt to contact same;
2. Consultant shall keep specific records of its efforts, including the names of businesses contacted and the means and results of such contacts, receipts from certified mail and telephone records;
3. Consultant shall provide proof of solicitations of SBEs for their services, including advertisements in general circulation media, professional service publications and minority and women focus media;
4. Consultant shall provide evidence of efforts made to identify work categories capable of being performed by SBEs;
5. Consultant shall provide all potential subconsultants with detailed information regarding the project description;
6. Consultant shall attempt, wherever possible, to negotiate lower prices with potential SBE subconsultants which submitted higher than acceptable fee estimates; and
7. Efforts made to use the services of available community organizations, consultant groups, and local, state and federal agencies that provide assistance in the recruitment and placement of SBEs.

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

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

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

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

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

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

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

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

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

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

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

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

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

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

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

SECTION IX
State Contractor Political Contributions Compliance
Public Law 2005, Chapter 51, Executive Order 134 and Executive Order 117

In order to safeguard the integrity of State government procurement by imposing restrictions to insulate the award of State contracts from political contributions that pose the risk of improper influence, purchase of access, or the appearance thereof, Executive Order 134 was signed on September 22, 2004 ("Executive Order 134"). The Order is applicable to all State agencies, the principal departments of the executive branch, any division, board, bureau, office, commission within or created by a principal executive branch department, and any independent State authority, board, commission, instrumentality or agency. Executive Order 134 was superseded by Public Law 2005, c.51, signed into law on March 22, 2005. In September 2008, Executive Order 117 was signed and became effective November 15, 2008. It applies to the same government contracting entities subject to Executive Order 134, but extends

the political contribution restrictions by expanding the definition of "business entity" to include, for example, more corporate shareholders and sole proprietors. Executive Orders 134 and 117, and Public Law 2005, c.51 contain restrictions and reporting requirements that will necessitate a thorough review of the provisions. Pursuant to the requirements of PL 2005, c.51, the terms and conditions set forth in this section are material terms of any OPS resulting from this RFEOI or RFP:

DEFINITIONS

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

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

BREACH OF TERMS OF THE LEGISLATION

It shall be a breach of the terms of the OPS 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 and returned with your Firm's Expression of Interest (EOI).

SECTION XIII **Disclosure of Investment Activities in Iran**

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

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

SECTION XIV
Antidiscrimination Provisions

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

- a. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;
- b. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;
- c. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and
- d. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

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

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

- (a) No vendor shall pay, offer to pay, or agree to pay, either directly or indirectly, any fee, commission, compensation, gift, gratuity, or other thing of value of any kind to any State officer or employee or special State officer or employee, as defined by N.J.S.A. 52:13D-13b. and e., in the Department of the Treasury or any other agency with which such vendor transacts or offers or proposes to transact business, or to any member of the immediate family, as defined by N.J.S.A. 52:13D-13i., of any such officer or employee, or any partnership, Firm, or corporation with which they are employed or associated, or in which such officer or employee has an interest within the meaning of N.J.S.A. 52:13D-13g.
- (b) The solicitation of any fee, commission, compensation, gift, gratuity or other thing of value by any State officer or employee or special State officer or employee from any State vendor shall be reported in writing forthwith by the vendor to the Attorney General and the Executive Commission on Ethical Standards.
- (c) No vendor may, directly or indirectly, undertake any private business, commercial or entrepreneurial relationship with, whether or not pursuant to employment, contract or other agreement, express or implied, or

sell any interest in such vendor to, any State officer or employee or special State officer or employee having any duties or responsibilities in connection with the purchase, acquisition or sale of any property or services by or to any State agency or any instrumentality thereof, or with any person, Firm or entity with which he is employed or associated or in which he has an interest within the meaning of N.J.S.A. 52:13D-13g. Any relationships subject to this provision shall be reported in writing forthwith to the Executive Commission on Ethical Standards, which may grant a waiver of this restriction upon application of the State officer or employee or special State officer or employee upon a finding that the present or proposed relationship does not present the potential, actuality or appearance of a conflict of interest.

- (d) No vendor shall influence, or attempt to influence or cause to be influenced, any State officer or employee or special State officer or employee in his official capacity in any manner which might tend to impair the objectivity or independence of judgment of said officer or employee.
- (e) No vendor shall cause or influence, or attempt to cause or influence, any State officer or employee or special State officer or employee to use, or attempt to use, his official position to secure unwarranted privileges or advantages for the vendor or any other person.
- (f) The provisions cited above in paragraph 3a. through 3e. shall not be construed to prohibit a State officer or employee or special State officer or employee from receiving gifts from or contracting with vendors under the same terms and conditions as are offered or made available to members of the general public subject to any guidelines the Executive Commission on Ethical Standards may promulgate under paragraph 3c.

Section XVI **ADA Indemnification**

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

The Authority shall, as soon as practicable after a claim has been made against it, give written notice thereof to the Consultant along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the Authority or any of its agents, servants, and employees, the Authority shall expeditiously forward or have forwarded to the Consultant every demand, complaint, notice, summons, pleading, or other process received by the Authority or its representatives. It is expressly agreed and understood that any approval by the Authority of the services provided by the Consultant pursuant to this contact will not relieve the Consultant of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the Authority pursuant to this Section. It is further agreed and understood that the Authority assumes no obligation to indemnify or save harmless the Consultant, its agents,

servants, employees and subconsultants for any claim which may arise out of their performance of this OPS. Furthermore, the Consultant expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the Consultant's obligations assumed in this OPS, nor shall they be construed to relieve the Consultant from any liability, nor preclude the Authority from taking any other actions available to it under any other provisions of the OPS or otherwise at law.

Section XVII
Diane B. Allen Equal Pay Act

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

**SECTION XVIII
Bridge Listing**

Bridge List						
No.	Bridge No.	Bridge Description	Length (ft.)	Span	Stage I Scour Report (1992)	Recommend Stage II (1992)
1	MP 84.24N	NJTPK SNO & SNI RDWYS. / RARITAN RVR & MILE 84 U-TURN	3	805	Y	N
2	MP 84.24S	NJTPK NSO & NSI RDWYS./ RARITAN RVR & MILE 84 U-TURN	3	805	Y	N
3	MP E107.88	NJTPK / PASSAIC RV,US1&9	3	694 1	Y	N
4	MP E109.83	NJTPK / HACKENSACK RV &E	3	561 7	Y	N
5	MP N2.01	NJTA OVER NEWARK BAY (W15-E19)	3	617 0	Y	N
6	MP W107.87	NJ TPK PASSAIC RIVER BRIDGE (W)	3	729 4	Y	N
7	MP W115.36	NJ TPK HACKENSACK RIVER BRIDGE	3	360 3	Y	N
8	MP 1.66	NJ TURNPIKE OVER GAME CREEK	3	106	Y	N
9	MP 12.13	NJ TPK OVER RACCOON CREEK	3	112	Y	N
10	MP 17.50	NJ TPK OVER EDWARDS RUN	3	123	Y	N
11	MP 18.45	NJ TPK OVER MANTUA CREEK	3	166	Y	N
12	MP 24.61	NJ TPK OVER BIG TIMBER CREEK	5	314	Y	N
13	MP 7.85	NJ TPK OVER OLDMANS CREEK	3	160	Y	N
14	MP 29.24	NJ TPK OVER COOPER CREEK	3	201	Y	N
15	MP 39.76	NJ TPK OVER PARKER_S CREEK	1	55	Y	N
16	MP 40.96	NJ TURNPIKE OVER RANOCAS CREEK	1	722	Y	N
17	MP 48.21	NJ TPK OVER ASSISCUNK CREEK	1	89	Y	N
18	MP 49.73	NJ TPK OVER CRAFTS CREEK	1	30	Y	N
19	MP 53.41A	NJ TPK INT.7 RPS WT&TE / BLACKS CREEK	4	550		
20	MP 73.10SO	NJ TPK NSO RDWY OVER SHALLOW BROOK	1	73		
21	MP 75.58NO	NJTPK SNO RDWY OVER WETLANDS	3	128		
22	MP 77.79	NJ TPK NSO NSI / IRELAND BRK OVERPASS	1	106		
23	MP 79.15	NJ TPK NSO & NSI / SO BR BEAVERDAM	2	125		
24	MP 79.46SI	NSI RDWY OVER NO BR BEAVERDAM BROOK	12	104 8		
25	MP 79.46SO	NJTPK SB OVER NO BRANCH BEAVERDAM BRK	10	876		
26	MP 80.33	NJTPK NSO RDWY OVER BOG BROOK	1	68		
27	MP 80.37	NJTPK SNO RDWY OVER BOG BROOK	1	68		
28	MP 80.76NO	NJTPK NB OVER WESTONS MILL POND	1	40		
29	MP 80.76SO	NJTPK SB OVER WESTONS MILL POND	1	37		
30	MP 81.66NO	NJTPK NB OVER SAW MILL BROOK	1	76		

31	MP 81.66SO	NJTPK NSO OVER SAW MILL BROOK	6	497		
32	MP 83.53	NJTPK(I-95) INT 9 RAMP/LAWRENCE BRK	3	252		
33	MP 83.55	NJTPK(I-95)NSI-SNI RWYS/LAWRENCE BRK	3	197		
34	MP 83.55NO	NJ TPK (I-95) SNO RWY/LAWRENCE BROOK	3	197		
35	MP 83.55SO	NJ TPK (I-95) NSO RWY/LAWRENCE BROOK	3	197		
36	MP 103.53	NJTPK / BOUND CRK	8	123	Y	N
37	MP 103.53NO	NJTPK NB / BOUND CRK	8	123	Y	N
38	MP 103.53SO	NJTPK SB / BOUND BRK	8	123	Y	N
39	MP 92.65NI	NJTPK SNI RDWY/WOODBRIDGE RIVER	1	59	Y	N
40	MP 92.65NO	NJTPK SNO RDWY&RAMP SOSA/WOODBRIDGE R	1	57	Y	N
41	MP 92.65SI	NJTPK NSI RDWY/WOODBRIDG	1	59	Y	N
42	MP 92.65SO	NJTPK NSO RDWY&RAMP SASO	1	59	Y	N
43	MP 92.69ANR	SA 10N RAMP SISA OVER TPK SNO & RAMP SOSA	7	594		
44	MP 92.76ASR	NJTPK SA 10S RAMP SASI OVER NSO	9	660		
45	MP 96.23NI	LUKE A. LOVELY MEM.BR.-NJTPK SNI	7	507	Y	N
46	MP 96.23NO	LUKE A. LOVELY MEM.BR.-NJTPK SNO	7	501	Y	N
47	MP 96.23SI	LUKE A. LOVELY MEM.BR.-NJTPK NSI	7	506	Y	N
48	MP 96.23SO	LUKE A. LOVELY MEM.BR.-NJTPK NSO	7	516	Y	N
49	MP 97.54NI	NJTPK SNI RDWY OVER PYLES CREEK	1	41	Y	N
50	MP 97.54NO	NJTPK SNO RDWY / PYLES CREEK	1	41	Y	N
51	MP 97.54SI	TPK NSI RDWY OVER PYLES CREEK	1	41	Y	N
52	MP 97.54SO	NJTPK NSO RDWY OVER PYLES CREEK	1	41	Y	N
53	MP 98.48	NJTPK NSI-SNI RWYS/MORSE	3	184	Y	N
54	MP 98.48NO	NJ TPK SNO RWY OVER MORSES CREEK	2	184	Y	N
55	MP 98.48SO	NJ TPK NSO RWY OVER MORSES CREEK	2	249	Y	N
56	MP 98.62AN	NJ TPK INT 13 RAMP SOT/MORSES CREEK	5	486		
57	MP 99.67ASI	NJTPK INT 13 RP NIT/ELIZ.RIV.;TPK NSO	10	747	Y	N
58	MP 99.67ASO	NJTPK INT 13 RAMP NOT/ELIZ. RIVER	9	760	Y	N
59	MP 99.70ANI	NJTPK INT13 RP TNI/NJTPK SNO;ELIZ.RIV	8	577	Y	N
60	MP 99.70ANO	NJTPK INT13 RP TNO/ELIZABETH RIVER	9	642	Y	N
61	MP 99.75	NJTPK NSI&SNI/ELIZABETH	4	322	Y	N
62	MP 99.75NO	NJTPK SNO RWY/ELIZABETH	3	223	Y	N
63	MP 99.75SO	NJTPK NSO RWY/ELIZABETH RIVER	4	300	Y	N
64	MP 117.16	NJTPK NS 95 & SN-80/OVER	13	297	Y	N
65	MP E110.80A	RAMPS WT/TW OVER PENHORN CREEK	1	106		
66	MP E114.52	NJ TPK SNE-NSE RWY/PAUNPECK CREEK	3	198	Y	N
67	MP E115.21	NJ TPK SNE-NSE RWY/BELLMAN CREEK	3	198	Y	N
68	MP 117.16NO	NJTPK SN 95 / OVERPECK C	3	337	Y	N
69	MP 117.16SO	NJ TPK NS 80 OVER OVERPECK CREEK	3	337	Y	N
70	MP W110.42	NJTPK / SAWMILL CRK	3	112	Y	Y
71	MP W111.06	NJ TPK/CONRAIL&KINGSLAND CREEK	3	271		
72	MP W111.48	NJTPK / BERRYS CRK	4	136	Y	N
73	MP W112.67	NJTPK/BERRY CK CANAL,INT	9	908	Y	N

74	MP W112.67W	NJTPK INT.16W RAMP TS/BERRY'S CREEK CANAL	9	908	Y	N
75	MP W112.72B	NJTPK INT.16W RAMP SWT/BERRY'S CREEK CANAL	3	462	Y	N
76	MP 119.32	NJTP OVER TEANECK CREEK	1	55		
77	MP 120.09	NJTP NB OVER OVERPECK CREEK	2	134		
78	MP 120.10	NJ TURNPIKE(SB)OVER OVERPECK CREEK	2	130		
79	MP 120.46	NJTP/GRAND AV(NJ93),FT RK BR& CONRAIL	19	160 8		
80	MP 149.4	GSP/BLOOMFIELD AVE, FRANKLIN ST & SECOND RVR	7	560	Y	Y
81	MP 149.4A	JFK DRIVE SB OVER SECOND RIVER	1	96	Y	Y
82	MP 149.5A	JFK DRIVE NB OVER SECOND RIVER	1	80	Y	Y
83	MP 150.3	GARDEN STATE PARKWAY OVER THIRD RIVER	1	62	Y	Y
84	MP 150.3A	INT. 150 NB ENTRANCE RAMP OVER THIRD RIVER	1	58	Y	Y
85	MP 152.8	WEST PASSAIC AVE (CR 622) OVER GSP	3	220		
86	MP 152.9A	SB ENT RAMP FROM SERVICE AREA/THIRD RIVER	1	77	Y	Y
87	MP 153.0S	GARDEN STATE PARKWAY SB OVER THIRD RIVER	1	55	Y	Y
88	MP 153.1A	GSP NB ENT RAMP FROM SERV AREA / THIRD RIVER	1	63	Y	Y
89	MP 153.1N	GARDEN STATE PARKWAY NB OVER THIRD RIVER	1	55	Y	Y
90	MP 153.7S	GARDEN STATE PARKWAY SB OVER THIRD RIVER	1	52	Y	Y
91	MP 153.8N	GARDEN STATE PARKWAY NB OVER THIRD RIVER	1	52	Y	Y
92	MP 158.1A	GSP INT. 156 RAMP B OVER ROUTE US 46	9	419		
93	MP 159.0A	PEDESTRIAN BRIDGE OVER FLEISHER BROOK	1	50	Y	N
94	MP 160.8S	GARDEN STATE PARKWAY SB OVER SADDLE RIVER	2	172	Y	Y
95	MP 160.9N	GARDEN STATE PARKWAY NB OVER SADDLE RIVER	2	172	Y	Y
96	MP 162.1S	GARDEN STATE PARKWAY SB OVER SPROUT BROOK	1	56	Y	Y
97	MP 162.2N	GARDEN STATE PARKWAY NB OVER SPROUT BROOK	1	56	Y	Y
98	MP 164.0A	FROM ROAD OVER SPROUT BROOK	1	45	Y	Y
99	MP 131.7	GSP OVER S BR RAHWAY RIVER	1	34	Y	Y
100	MP 135.0	GSP / BR RAHWAY RIVER&WATER MAINS	2	20	Y	Y
101	MP 135.6	GARDEN ST PKWY/MIDDLESEX RESERVR	1	75	Y	Y
102	MP 137.3	GARDEN STATE PARKWAY/RAHWAY RIVER	1	79	Y	Y
103	MP 141.0A	INT. 139B NB EXIT RAMP OVER ELIZABETH RIVER	1	26		
104	MP 142.4S	GARDEN ST PKWY SB/ELIZABETH RIVER	2	167	Y	Y
105	MP 142.5N	GARDEN ST PKWY NB/ELIZABETH RIVER	2	165	Y	Y
106	MP 143.1	RAMP F / GSP & ELIZABETH RIVER	7	697		
107	MP 143.1A	GSP RAMP B / ELIZABETH RIV	3	151	Y	Y
108	MP 143.1B	GSP RAMP C / ELIZABETH RIVER	3	166	Y	Y
109	MP 100.8N	GSP NB OVER SHARK RIVER	3	148	Y	Y
110	MP 100.9S	GSP SB OVER SHARK RIVER	3	110	Y	Y
111	MP 108.7NI	GSP NBI OVER PINE BROOK	3	207	Y	Y
112	MP 108.7NO	GSP NBO OVER PINE BROOK	3	206	Y	Y
113	MP 108.7SI	GSP SBI OVER PINE BROOK	3	213	Y	Y
114	MP 108.7SO	GSP SBO OVER PINE BROOK	3	212	Y	Y
115	MP 109.3NI	GSP NBI OVER SWIMMING RIVER	4	253	Y	Y

116	MP 109.3NO	GSP NBO OVER SWIMMING RIVER	4	253	Y	Y
117	MP 109.3SI	GSP SBI OVER SWIMMING RIVER	4	253	Y	Y
118	MP 109.3SO	GSP SBO OVER SWIMMING RIVER	4	254	Y	Y
119	MP 119.2SI	GSP SBI OVER MATAWAN CREEK	3	144	Y	Y
120	MP 119.2SO	GSP SBO OVER MATAWAN CREEK	3	145	Y	Y
121	MP 119.3NI	GSP NBI OVER MATAWAN CREEK	3	144	Y	Y
122	MP 119.3NO	GSP NBO OVER MATAWAN CREEK	3	144	Y	Y
123	MP 122.8SI	GSP SBI OVER CHEESEQUAKE CREEK	3	197	Y	Y
124	MP 122.8SO	GSP SBO OVER CHEESEQUAKE CREEK	3	198	Y	Y
125	MP 122.9NI	GSP NBI OVER CHEESEQUAKE CREEK	3	198	Y	Y
126	MP 122.9NO	GSP NBO OVER CHEESEQUAKE CREEK	3	198	Y	Y
127	MP 31.0R	GSP / PATCONG CREEK	3	315	Y	Y
128	MP 39.3N	GSP NB OVER ATLANTIC CITY RESERVOIR FLUME	1	76	Y	Y
129	MP 39.3S	GSP SB OVER ATLANTIC CITY RESERVOIR FLUME	1	78	Y	Y
130	MP 81.4	GSP OVER TOMS RIVER	1	74	Y	Y