

August 23, 2024

To: ALL QUALIFIED FIRMS

**Subject: REQUEST FOR EXPRESSIONS OF INTEREST
MULTI-PROJECT SOLICITATION**

**ORDER FOR PROFESSIONAL SERVICES No. T4069
DESIGN SERVICES FOR CONTRACT No. T100.740, BRIDGE REPAIRS AND RESURFACING,
MILEPOST 92 TO 122, AND THE NEWARK BAY-HUDSON COUNTY EXTENSION (2026)**

And

**ORDER FOR PROFESSIONAL SERVICES No. T4070
DESIGN SERVICES FOR CONTRACT No. T100.744, BRIDGE REPAIRS AND RESURFACING,
MILEPOST 0 TO 92, AND THE PEARL HARBOR MEMORIAL TURNPIKE EXTENSION (2026)**

Enclosed herewith is a Multi-project Request for Expressions of Interest ("RFEOI") by the New Jersey Turnpike Authority ("Authority") for professional engineering services required for two (2) Orders for Professional Services Agreements. OPS No. T4069 and OPS No. T4070 field inspection and preparation of contract documents to repair mainline, local road overpasses and interchange ramp bridge decks; replace deck joints; perform resurfacing and complete other miscellaneous structural repairs on Turnpike bridges between Milepost 0 and 122, on the Newark Bay-Hudson County Extension and on the Pearl Harbor Memorial Turnpike Extension and other related work defined in the RFEOI's Scope of Services (see Attachment A). This multi-project solicitation is being procured in accordance with N.J.A.C. 19:9-2.8(b), these Order for Professional Services ("OPS") are considered Simple procurements.

It is the Authority's intent to engage the services of two (2) firms through this multi-project solicitation, one for OPS No. T4069 and one for T4070. **The Qualified Firms shall convey their understanding of the Authority's needs, scope of work and express their approach and provide staffing estimates for both OPS assignments. (see page 4 consultant selection).**

To be considered as eligible and qualified to submit an Expression of Interest ("EOI") for the professional engineering services being solicited in this multi-project RFEOI, a Firm must be prequalified in the following Profile Codes:

Profile Codes	Descriptions
A092	Bridges: Miscellaneous Repairs
A093	Bridges: Deck Replacements and Rehabilitations

A Qualified Firm, eligible to submit an EOI for this multi-project RFEOI solicitation, is one that has a **current** "Professional Service Prequalification Questionnaire" ("PSPQ") package on file with the Authority at the time of EOI submission. A current PSPQ is one that has been approved and on file with the Authority for no more than 24 months, or in certain cases for no more than 12 months.

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Prequalification is not required for subconsultants. Prequalification **is** required for Joint Ventures.

A list of Qualified Firms eligible to submit an EOI for the above referenced assignments is attached (See Attachment B (B4)). *Joint Ventures (*Qualified Firms interested in submitting an EOI as a Joint Venture **must be prequalified as a Joint Venture** with the Authority) that meet all Profile Code requirements are also eligible to submit an EOI.

The Authority is seeking participation of Small Business Enterprises (SBEs) as subconsultants to the Successful Qualified Firm ("Firm") that is awarded a contract under this RFEI. The SBE project goal is 25%. The Authority has also adopted a Disabled Veteran Owned Business ("DVOB") Enterprise Program (the "DVOB Program") pursuant to which the Qualified Successful Firm must make a good faith effort to award at least three (3) percent of the assignment to DVOBs, all as more fully described in this RFEI. (See Attachment "C", C(C12), "Small Business Enterprise/Disabled Veteran-Owned Business Programs").

All submittals required pursuant to N.J.S.A. 19:44A-20.13 to 20.25 (P.L. 2005, c.51), N.J.S.A. 19:44-20.26 (P.L. 2005, c.271s.2), P.L. 2023, c.30 (The Elections Transparency Act) and Executive Order 333 (2023 Murphy) will be requested from the Firms only. The relevant forms will be transmitted to the Firm by the Authority and are to be returned to the Authority within five (5) business days from receipt.

The following attachments are incorporated into and made part of the RFEI:

- ATTACHMENT A – Expression of Interest and Fee Proposal Submission Requirements (A1 and A2).
- ATTACHMENT B – Standard Information (B1 through B4).
- ATTACHMENT C – Standard Supplemental Information and Forms (C1 through C13(k)).
- ATTACHMENT D - N.J.A.C. 19:9-2.8 Procedures for Prequalification and Award of Contracts for Architectural, Engineering and Land Surveying Services.

Staff Qualifications

It will be the Firm's responsibility to ensure that the project is fully and adequately staffed for the successful completion of the project.

A description of services being solicited by this RFEI can be found in Attachment B(B2), "Scope of Services" of this RFEI.

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MULTI-PROJECT DESCRIPTION

The scope of work encompasses field inspection and preparation of contract documents to repair mainline, local road overpasses and interchange ramp bridge decks; replace deck joints; perform resurfacing and complete other miscellaneous structural repairs on Turnpike bridges between Milepost 0 and 122, on the Newark Bay-Hudson County Extension and on the Pearl Harbor Memorial Turnpike Extension and other related work defined in the RFEIs Scope of Services

The Authority will utilize a Secure File Sharing site ("Kiteworks") to share with and receive information from the Qualified Firms. Access to Kiteworks will be provided to the Qualified Firms via e-mail. Reference materials (*preliminary plans, studies, reports, etc.*) for this RFEI will be made available for review in the "Reference Materials" folder.

If there are any questions or issues related to Kiteworks, please contact Jennifer Romero via e-mail at jromero@njta.com. The subject line should read "OPS Nos. T4069 and T4070, Kiteworks Information."

SUBMISSION REQUIREMENTS FOR EXPRESSIONS OF INTEREST

Qualified Firms that are interested in being considered to perform these services as specified in the RFEI must submit a total of **five (5)** copies of their Expressions of Interest (EOI) no later than **10:00 A.M. on Tuesday, September 10, 2024**. EOIs are to be submitted as follows: **One (1) PDF** copy uploaded to the "EOI" folder on **Kiteworks** in accordance with the following naming convention: "OPS Nos. T4069 and T4070-EOI-[Firm Name]"; and **four (4)** hard copies of the EOI for Order for Professional Services No. T4069 and Order for Professional Services No. T4070 shall be delivered to the Authority's Headquarters clearly marked with the Qualified Firm's name and the words, "EOI - OPS Nos. T4069 and T4070", no later than the date and time referenced above. **Late submissions will not be considered** and will be returned unopened.

Expressions of Interest received by the date and time specified above, will be publicly opened by conference call only. Conference call details are available on the Authority's website at <https://www.njta.com/doing-business/current-solicitations>.

For anyone who wishes to participate, conference call access shall be open five (5) minutes prior to the EOI opening and shall remain open until all submitted proposer firm names have been read.

Expressions of Interest shall be delivered/addressed as follows:

Hand or Overnight Delivery

New Jersey Turnpike Authority
1 Turnpike Plaza
Woodbridge, NJ 07095
Attn: Engineering Department
Structures Design Section
Sheri L. Malloy, P.E.

U.S. Mail

New Jersey Turnpike Authority
P.O. Box 5042
Woodbridge, NJ 07095-5042
Attn: Engineering Department
Structures Design Section
Sheri L. Malloy, P.E.

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Inquiries

Inquiries pertaining to this multi-project RFEI are to be directed in writing to Sheri L. Malloy, P.E. via e-mail to malloy@njta.com with a copy to Maria Santiago, via email at santiago@njta.com. The subject line should read "OPS Nos. T4069 and T4070 - EOI Inquiry". **The deadline for inquiries is Tuesday, September 3, 2024.** The Authority will respond to all written inquiries received by the deadline. 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 Thursday, September 5, 2024.**

Qualified Firms will be responsible for submitting their EOIs in accordance with this RFEI and any modifications, revisions, and/or clarifications to this RFEI, as may be issued by the Authority.

Professional services are required from two (2) eligible firms, one for Order for Professional Services No. T4069 and one for Order for Professional Services No. T4070.

FIRM SELECTION

Upon receipt of the EOIs for this multi-project solicitation, and in accordance with N.J.A.C. 19:9-2.8(e), the Authority will review each Qualified Firm's submission for completeness and shall reject those EOIs that are incomplete. The Authority shall notify all Firms whose EOIs are determined to be incomplete in writing.

The EOI Evaluation Committee shall rank each Qualified Firms EOI on the basis of numerical scores using the eight (8) rating factors and relative weights specified below and will request Fee Proposals from the top three (3) highest technically ranked firms in accordance with N.J.A.C. 19:9-2.8(e.7).

Negotiations will commence with the highest technically ranked firm for OPS No. T4069 and once complete, negotiations will commence with the second highest technically ranked firm for OPS No. T4070 in accordance with N.J.A.C. 19:9-2(g).

N.J.A.C. 19:9-2 is attached for ready reference in Attachment D "N.J.A.C. 19:9-2.8 Procedures for Prequalification and Award of Contracts for Architectural, Engineering and Land Surveying Services".

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

RATING FACTORS	WEIGHT (%)	POINTS
1. Experience of the Qualified Firm and its Subconsultants	15	45
2. Experience of the Project Manager on Similar Projects	15	45
3. Key Personnel's Qualifications and Relevant Experience	15	45
4. Understanding of the Project and the Authority's Needs, and Reasonableness of Staffing Estimate	15	45
5. Approach and Methodology in Performing the Services Required	15	45
6. Commitment and Ability to Perform the Project and Outstanding Work with the Authority	10	30
7. Commitment to Quality Management	10	30
8. Attainment of DVOB and SBE Participation Goals	5	15
	100%	300

Rating Factors (to be summarized in the **Letter of Interest**):

1. Experience of the Qualified Firm and its Subconsultants

The Qualified Firm shall provide information on past projects which it has 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 Qualified Firm and its relevance to the proposed assignment. It shall identify the Qualified 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.

The Qualified Firm is required to submit a completed Recent Project Experience Form listing all projects, with the Authority as well as referenced clients provided in the letter of interest, on which the Qualified Firm is currently working, or that have been completed (closed out) within the previous three (3) year period. A separate form shall be provided for the Qualified Firm and for each subconsultant.

2. Experience of the Project Manager on Similar Projects

The Qualified Firm shall identify the Project Manager that will be assigned to the project and identify the individual's education, credentials, and work experience. The Qualified Firm should discuss the proposed Project Manager's experience and its application to the assignment. The Qualified Firm shall review the criteria set forth by the Authority in the RFEI in consideration of the person proposed for the assignment. If the Qualified Firm is proposing an individual with credentials considerably different than those identified by the Authority, the Qualified 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 in the State of New Jersey.

3. Key Personnel's Qualifications and Relevant Experience

The Qualified 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 Qualified 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).

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

Provide an explanation of the Qualified Firm's understanding of the project and Authority's needs required for the successful completion of the assignment. Provide a summary of the Qualified Firm's qualifications, and state how they relate to the Qualified 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.

a. Understanding of the Project

The Qualified Firm shall provide information to demonstrate that it fully understands 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. Qualified 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.

b. Understanding of the Authority's Needs

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

c. Reasonableness of Staffing Estimate

The Qualified Firm shall demonstrate through an attached Staffing Estimate the workhours required for this assignment, including any work anticipated to be performed by subconsultants. The staffing schedule shall follow the guidelines set forth herein and sample in Attachment B(B3).

5. **Approach and Methodology in Performing the Services Required**

The Qualified 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 Qualified Firm will use to schedule, manage, and perform the required tasks within the scope of services and identify the key milestones and the project's critical path. The Qualified Firm shall identify key issues and potential problems and discuss alternatives and options which would lead to resolution. The Qualified 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.

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

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

a. Commitment and Ability to Perform the Project

The Qualified Firm shall discuss its 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.

b. Outstanding Work with the Authority

The Qualified Firm shall discuss its 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 workload of the Qualified Firms 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.

7. **Commitment to Quality Management**

The Qualified Firm shall discuss its Commitment to Quality Management and Quality Assurance/Quality Control ("QA/QC"). The Qualified Firm shall provide a written narrative that describes the Qualified Firm's quality assurance policy and how it intends to implement a quality assurance program specifically for this

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assignment. The Qualified 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.

8. Attainment of DVOB and SBE Participation Goals

The Qualified Firms agree to make a good faith effort to award at least three (3) percent of the assignment to those businesses that meet the requirements and have been registered by the Division of Revenue and Enterprise Services/Department of Treasury as a Disabled Veteran Owned Business Enterprise. Qualified Firms shall demonstrate how they will utilize DVOB Qualified Firms to achieve the 3% goal and add value to the project team.

The Qualified Firms also 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 and Enterprise Services/Department of the Treasury as a Small Business Enterprise.

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

ORDER FOR PROFESSIONAL SERVICES

The final OPS Agreement to be awarded and issued to the each Successful Qualified Firm shall be in a form consistent with the Authority's Standard OPS Agreement No. 4 for Simple projects (which is available on the Authority's website: www.njta.com (under Doing Business, Engineering Professional Services, PS Supplemental Forms)).

Very truly yours,

ORIGINAL SIGNED BY

Daniel L. Hesslein
Acting Chief Engineer

DLH:SLM:ms
Attachments

c: L. T. Malak
W. Wilson
Review Committee
File

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ATTACHMENT A

Expressions of Interest and Fee Proposal Submission Requirements

Subsection No. and Title

- A1. Expressions of Interest Submission Requirements
- A2. Fee Proposal Submission Requirements

Subsection A1

Expression of Interest Submission Requirements

The EOI submission is limited to a total of **twelve (12)** pages. This page limitation does not include the documents listed in Items 3-8 below. Only 8.5x11 letter-sized pages are permitted unless otherwise noted below.

To be considered for these services, each Qualified Firm, must submit the following:

1. **Letter of Interest** which shall be limited to a total of five (5) single-sided, letter-sized pages with 1-inch borders and a minimum font size of 10 pt., stating the Qualified Firm's interest, ability, and its commitment to complete the requested professional services listed in Attachment B, Subsection B2, "Scope of Services".

A brief transmittal letter **is excluded** from the above-referenced page count.

The Letter of Interest shall demonstrate the Qualified Firm's ability to meet the rating factors listed under the heading "Consultant Selection" hereinabove. The Qualified Firm shall address the rating factors in the order in which they are listed, i.e., 1 through 8.

2. **Resumes for the Project Manager and each Key Personnel team members**, detailing relevant experience and professional/technical qualifications. Include Resumes of proposed subconsultants. Each resume should be one page, single-sided with a maximum of seven (7) with dates provided for each project.
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. A **detailed staffing estimate** per task and by ASCE Grade/Classification, along with an estimate of total hours, to provide the work described herein.
5. A **Project Schedule** for this solicitation that address the various tasks defined by the scope of services for this assignment. (a maximum of 2 pages) – 11x17 foldout sheets are permitted.
6. A completed **Commitment of Proposed Staff** form dating the percentage of time each member has available to commit to this assignment, including subconsultant staff.
7. A completed **Certification of Staff Availability** form wherein the Qualified 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 Qualified 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.

*The aforementioned page limitation shall be increased to a maximum of twenty (20) pages if the Qualified Firms must exercise option *7C above. The additional eight (8) 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 seven (7) alternative key project personnel stating relevant experience including dates of assignments and professional qualifications.

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- 3) Allowance for one (1) page, if necessary, to explain the Qualified Firms' modified approach to the project if it would be handled differently as a result of utilizing the alternate personnel.

The Qualified Firm shall not include alternate staffing in their EOI unless they are required to do so in accordance with Option *7C. When appropriately included in the EOI, the proposed alternative staffing information shall be contained in a separate attachment of the EOI. It shall only be considered by the Authority in the scoring of the EOI, if required.

8. Completed Standard Supplemental Forms as set forth in Attachment C(C13) "Standard Supplemental Forms to be Submitted".

Pages in excess of the stated 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, non-responsive, incomplete and may be rejected.

Subsection A2 **Submission of Fee Proposal**

Following a review of the submitted Expressions of Interest, the Authority will request Fee Proposal(s) from the top three (3) (or more), technically ranked Qualified Firm(s) for OPS No. T4069 and OPS No. T4070.

The Fee Proposal shall be submitted as a cost-plus fee based on reimbursement of direct professional and technical salaries times a multiplier, not to exceed 2.80, based on a 10% allowance for profit and an overhead rate of 154.5%, or the individual Qualified Firm's overhead rate as determined by Federal Acquisition Regulations (48 CFR Part 31.105), whichever is less, plus direct expenses, subconsultant services and subcontractor services, at cost. The multiplier shall not be applied to the premium portion of overtime. The multiplier covers all overhead and profit.

Subconsultant and subcontractor services are those required services performed by other firms or contractors at the Successful Qualified Firm's direction.

For general services provided by the Successful Qualified Firm's corporate officers, partners, owners and/or principals in a non-technical capacity, no compensation will be provided. When corporate officers, partners, owners and/or principals are required to provide services in a technical capacity, the salaries for such individuals performing services in a technical capacity shall be reimbursable for direct salaries times a multiplier not to exceed 2.80.

No expenses or costs shall be billed unless specifically included in this EOI Solicitation and the Successful Qualified Firm's final negotiated Fee Proposal.

Average rate per classification/grade will not be permitted to determine total labor costs. The Fee Proposal shall detail time (hours) and direct salary data for classifications conforming to the ASCE Professional and Technical Grades, as shown on the Staffing Estimate and as modified by the Qualified Firm to account for all required services. Services shall be billed in accordance with the Successful Qualified Firm's Fee Proposal.

Salary rate increases will be permitted in accordance with the following parameters:

- Salary increases for merit or cost of living will not be permitted for the first 12 months of any OPS Agreement from the date of execution.
- Starting at month 13, all staff, regardless of pay grade / title, will be allowed up to a maximum annual increase of 3%.

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- The proposal salary rate increase schedule will apply to the Successful Qualified Firm as well as all subconsultants.
- Salary rate increases as a result of a promotion are not subject to this policy.

The Qualified Firm's total Fee Proposal for these services shall be rounded to the nearest \$5,000.

Salaries shall be charged at the Successful Qualified Firm's hourly rates. The Successful Qualified Firm 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 Proposal. 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 services or whenever the Successful Qualified Firm proposes that an individual's rate be changed during the term of this OPS awarded pursuant to this RFEIOI, provided such change is reflected in the Qualified Firm's Fee Proposal. Except for overtime worked on construction supervision during permissible contract working hours, overtime must be approved by the Authority. The Fee Proposal shall follow and reflect the staffing estimate as shown in Attachment B3.

To assist in the Authority's management of its annual spending, the Qualified Firm shall include within the Fee Proposal the projected billings associated with these services, including monthly projections for the first two (2) years and quarterly billing projections for the duration of this assignment.

Given the potential for out-of-scope activities to arise during the performance of this OPS, the Qualified Firm is directed to include a 10% contingency of the cost-plus fee based on reimbursement of direct professional and technical salaries times the multiplier (burdened labor fee) for "Unanticipated Services" in their Fee Proposal. These contingency monies will be utilized only upon receipt of written notification from the Authority explicitly authorizing the use of these monies.

Direct expenses shall include approved subconsultant services, mileage, test pits, 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 federal mileage rates (www.irs.gov). Mileage will be reimbursed for travel between the Successful Qualified Firm's local office and the work-site, New Jersey 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. The Successful Qualified Firm will be responsible for paying all tolls.

Compensation for lodging and meals will not be reimbursed, unless approved in writing in advance by the Authority. If approved, expenses for lodging and meals will be paid in accordance with the federal per diem rates which can be found at www.gsa.gov/perdiem. This shall apply to the Successful Qualified Firm and its subconsultants and subcontractors.

Overnight delivery charges will be paid by the Authority only if such overnight delivery is specifically requested by the Authority and agreed to in advance. Otherwise, the Successful Qualified Firm will not be reimbursed for overnight delivery charges. This shall also apply to the Successful Qualified Firm's subconsultants and subcontractors.

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ATTACHMENT B

Procurement Information and Scope of Services

Subsection No. and Title

B1. Anticipated OPS Procurement and Project Schedule

B2. Scope of Services

B3. Staffing Estimate

B4. Qualified and Eligible Firms

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Subsection B1

OPS Procurement and Project Schedule

Request for Expressions of Interest Posted	August 23, 2024
Deadline for Written Inquiries.....	September 3, 2024
Posted Responses to Inquiries	September 5, 2024
Deadline for Submittal of Expressions of Interest	September 10, 2024
Recommendation to Award.....	October 2024

Anticipated OPS Schedule

Notice to Proceed	December 2024
Completion of Services	December 2027
Administration Project Closeout	January 2028

Subsection B2
Scope of Services

INTRODUCTION

OPS No. T4069 encompasses field inspection and preparation of contract documents to repair mainline, local road overpasses and interchange ramp bridge decks; replace deck joints; perform resurfacing and complete other miscellaneous structural repairs on Turnpike bridges between Milepost 92 and 122 on the Newark Bay Hudson County Extension and other related work defined in the RFEOLs Scope of Services below.

OPS No. T4070 encompasses field inspection and preparation of contract documents to repair mainline, local road overpasses and interchange ramp bridge decks; replace deck joints; perform resurfacing and complete other miscellaneous structural repairs on Turnpike bridges between Milepost 0 and 92 and on the Pearl Harbor Memorial Turnpike Extension and other related work defined in the RFEOLs Scope of Services below.

GENERAL

1. All services provided by the Successful Qualified Firm 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. These publications and drawings are located on the Authority's website at www.njta.com.
2. Complete bid and contract documents including the plans, specifications, and Engineer's Estimate, shall be prepared for this project. They shall include the design of new facilities and demolition and removal of the existing facilities.
3. The Successful Qualified Firm shall be responsible for the thorough understanding of the project requirements including the applicable codes and regulations governing the design. The Successful Qualified Firm shall become familiar with the NJTA's procedures, presentation and coordinating requirements necessary for the effective performance of the project.
4. It will be the Successful Qualified Firm'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 Successful Qualified Firm will be responsible to make resulting design changes without additional compensation.
5. Traffic Control Coordinator (TCC) shall be required where lane and half ramp closings are to be installed by the Successful Qualified Firm, subconsultant or subcontractor as part of design or bridge inspection. A TCC will not be required for shoulder closings installed by the Successful Qualified Firm or vendor. Refer to Specifications Subparagraph 801.03(A)(6) for TCC requirements and certification which shall apply to design and bridge inspection tasks involving lane and half ramp closings.

PROJECT COORDINATION

1. NJTA Coordination

- (a) The Successful Qualified Firm shall coordinate its activities with Authority personnel throughout the course of this OPS. Early on the Successful Qualified Firm will establish a means of coordinating and reporting its activities with the Authority's Engineer to ensure an expeditious exchange of information. The Authority shall be informed of all meetings with other agencies, government officials and/or groups so that Authority personnel can attend if necessary.

- (b) The Successful Qualified Firm shall submit a design schedule upon the OPS' notice to proceed in MS Project, Current version, 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 bridge deck repair and resurfacing design checklist. The design checklist will be provided by the Authority at the project's kick-off meeting.
- (c) The Successful Qualified Firm 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 Successful Qualified Firm shall notify the Authority's Project Liaison immediately, if and when the percent fee expended exceeds the assignment percent complete. The Successful Qualified Firm shall implement, at once, the necessary adjustments and/or make recommendations how to alleviate this condition. Failure to do so will put the Successful Qualified Firm at risk of having to absorb any costs he may incur above and beyond the authorized fee.

2. Other Agency Coordination

- (a) The Successful Qualified Firm will be required to contact and meet with representatives of railroads (Conrail, Amtrak, N.J. Transit, P.A.T.H. Corp., CSX, Norfolk-Southern, PATCO or other) and/or counties, municipalities, utilities, to review and determine all necessary project requirements and permits. The Successful Qualified Firm shall notify the Authority immediately if it is revealed during initial contact that railroad ownership has changed.
- (b) Preliminary MPT and Phase 'C' contract documents shall be provided to each owner having jurisdiction for review. Resulting comments shall be addressed by the Successful Qualified Firm and the Authority shall be copied.
- (c) The Successful Qualified Firm may be required to set up escrow accounts in the amount of \$5,000 for each railroad agency for the purpose of field inspection, access permits and flagmen costs, and plan review. The escrow dollar amount may vary as the project scope is refined. The Successful Qualified Firm shall set aside \$30,000 for the contract, as a direct expense in the Fee Proposal for escrow accounts to be used for the following railroads: PATCO, Norfolk-Southern, Conrail, N.J. Transit, Amtrak and CSX, as applicable for each contract.

3. Scope of Project - Bridge Deck Repair and Resurfacing

- (a) The Successful Qualified Firm will be furnished with copies of the following after award:
 - i. Excerpts from the Authority's latest bridge inspection reports for each of the structures listed and the latest available Summary Report of Recommended Repairs and Priorities for Turnpike Roadway Structures and available District Summary Reports.
 - ii. Excerpts from Phase 'A' Reports of the two (2) prior Bridge Repair Design Contracts.
 - iii. Plans and Supplementary Specifications from prior contracts.
- (b) The Successful Qualified Firm shall perform a visual inspection of mainline, local road overpass and ramp crossings under each OPS. Some of the bridges may be longer span structures requiring shoulder and lane closings or the use of a small boat to perform the visual inspection. The Successful Qualified Firm will be furnished, upon request, the Authority's latest bridge inspection reports to aid the visual inspection. A list of the bridge decks to be inspected under each OPS may be found at the end of this Subsection.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and

OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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- (c) The Successful Qualified Firm shall inspect the current condition of the bridge deck topside noting the locations of visible checker boarding, worn, "shoved", or rutted asphalt wearing surfacing, damaged or worn deck joint headers, dislocated or damaged steel deck joints, and deteriorated safety walks and parapets, which require replacement. The visual inspection should endeavor to identify structures on which the asphalt wearing surface has worn thin, thereby necessitating complete removal and resurfacing of the entire structure on a span by span or lane by lane basis. Particular attention should be given to replacement of deteriorated asphalt surfacing on structures where deck replacements are being performed.
- (d) The Successful Qualified Firm shall inspect the current condition of the bridge deck underside noting the location and condition of SIP metal pans, saturated deck panels, exposed reinforcement, condition of prior repairs, location of severely deteriorated end diaphragms and missing joint seals. The visual inspection should identify structures on which the deterioration warrants partial (by panel) or complete deck removal and resurfacing of the entire structure. This work may be performed on a span by span or lane by lane basis. Particular attention should be given to replacement of deteriorated deck panels on structures where deck resurfacing is being performed.
- (e) Work on local roads may require modification of sidewalks, parapets and joints in order to maintain the required traffic lane widths during construction. Temporary relocation of signs attached to parapets, including electrical and control appurtenances, may be required.
- (f) Work on safetywalks and parapets may require temporarily relocating and maintaining electrical wiring and appurtenances. Appropriate provisions conforming to current electrical codes shall be included along with applicable details for routing of the temporary wiring in conduit or the temporary relocation of appurtenances. Complete replacement of existing severely deteriorated or designated sidewalk/parapet configurations with new "Jersey" shape parapets are to be incorporated.
- (g) Where warranted, the Successful Qualified Firm shall investigate and assess related deterioration to the bearings and ends of girders over bridge seats at deck joints to determine if repairs should be made while the deck is removed.
- (h) The Successful Qualified Firm shall thoroughly review all as-built plans to identify joint details at each site; develop repair details specific to the existing conditions at each joint of each bridge. The Successful Qualified Firm shall verify through field inspection that the details in the Contract plans reflect field condition.
- (i) On bridges where the roadway to bridge transitions requires a correction of 3 in. or more, the Successful Qualified Firm shall perform a field survey during design to develop profile information and details for the proper proposed improvements. The limit of approach resurfacing shall be extended as required to accommodate the proposed profile.

On bridges with "flat" profiles that experience ponding in shoulder areas, the Successful Qualified Firm shall perform a field survey during design to determine re-profiling needs. The Successful Qualified Firm shall also investigate the possibility of eliminating bridge scuppers by performing a gutter flow analysis.

On bridges where the fascia parapet and full or partial decks are being reconstructed (long term construction), the Successful Qualified Firm shall develop a procedure for the Contractor to provide top of steel and top of roadway elevations to the Successful Qualified Firm during construction. The Successful Qualified Firm shall use these values to develop proposed gutter line elevations, proposed cross slopes, and verification of haunch heights during the construction consultation phase.

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Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

- (j) The Successful Qualified Firm shall provide a design to retrofit existing open tooth or critical bulb angle joints to strip seal joints where deck repairs or reconstruction are scheduled.
- (k) The Successful Qualified Firm shall identify the limits of bridge deck and approach slab resurfacing. The Successful Qualified Firm shall identify and recommend the type of resurfacing to be implemented.
- (l) Conditions discovered at the time of inspection that constitute an immediate impairment to the ability of the bridge to function in the safe capacity it was designed for, or a deficiency that may impact the safety of patrons, shall be reported immediately to the Authority's Project Liaison, in accordance with the Emergency and Priority #1 Repair Procedures.
- (m) The Successful Qualified Firm shall perform load ratings for structures where either the existing parapet/safety walk configuration is being replaced with a "Jersey" shape parapet, where a latex modified concrete surface is to be placed in lieu of the existing asphalt concrete bridge surfacing or wherever else deemed necessary due to proposed work. Available load rating models exist for most structures. Load Ratings shall be in accordance with the New Jersey Turnpike Load Rating Manual (Version 9.8, January 2023) which is available on the Authority's Website https://www.njta.com/media/7240/spec_njta-load-rating-manual_ver98_final.pdf. NJTA's General Engineering Successful Qualified Firm (GEC) shall review the load ratings for conformance and consistency and the Successful Qualified Firm shall expect to revise and resubmit load ratings based on the GEC's review. For the purposes of this RFEOL, assume two (2) structures per contract.

4. Scope of Project – Miscellaneous Structural Repairs

- (a) The Successful Qualified Firm will be furnished with copies of the following:
 - i. Excerpts from the Authority's latest bridge inspection reports for each of the structures listed and the latest available Summary Report of Recommended Repairs and Priorities for Turnpike Roadway Structures and available District Summary Reports.
 - ii. Excerpts from Phase 'A' Reports of the two (2) prior Miscellaneous Structural Repair Design Sections.
 - iii. Plans and Supplementary Specifications from prior contracts. The documents listed above will be available for review in the Authority's Engineering Department during the review period. Successful Qualified Firms are strongly encouraged to review previous Phase 'A' Reports, Bridge Inspection Reports, and final Plans and Supplementary Specifications as part of their EOI preparation process.
- (b) The Successful Qualified Firm shall perform a hands-on field inspection of the current condition of the substructures and/or bearings on substructure elements of mainline, ramp and local road overpass bridges, viaducts, culverts, lighting and sign structures on the New Jersey Turnpike between Milepost 0 and 122, the Pearl Harbor Memorial Turnpike Extension, and the Newark Bay-Hudson County Extension. An "element" is classified as a pier, abutment, structural steel or sign structure. Underwater Inspection is not included in the Scope of Services for this OPS. The entire structure shall be inspected where no specific element is provided. Refer to the list of bridges at the end of this section.
- (c) The field inspection is expected to require the use of ladders and under bridge snooper or high reach equipment. The Successful Qualified Firm shall ascertain the need for this equipment, identify the equipment to be used and where it will be used. Some of the bridges are longer span structures requiring shoulder and lane closings or the use of a small boat to perform the visual inspection.

- (d) The hands-on field inspection shall determine the extent and condition of spalled and deteriorated concrete on piers, abutments, crib walls and sign structure foundations; large cracks in concrete; and tilted loose or defective bearings, including identifying candidate bearings suitable for replacement with laminated elastomeric bearings. The field inspection shall also identify, locate and document any deficiencies such as structural steel and concrete deterioration of the superstructure, e.g., diaphragms, cross bracing, etc., which become apparent during the investigation, in addition to those listed in the bridge inspection excerpts. The Successful Qualified Firm shall maintain and furnish to the Authority digital photographs of any unusual conditions.
- (e) Conditions discovered at the time of inspection that constitute an immediate impairment to the ability of the bridge to function in the safe capacity it was designed for, or a deficiency that may impact the safety of patrons, shall be reported immediately to the Authority's Liaison Engineer. These deficiencies, called Category A defects, are defined at <https://www.njta.com/media/5394/authority-deficiency-category-definitions-v20-6-2020.pdf>.
- (f) Where warranted, the Successful Qualified Firm shall investigate and assess related deck/joint deterioration adjacent to the repair area to evaluate cause and extent of the Miscellaneous Repair required. For example, deterioration of the backwall should be investigated to determine if it extends into the header and joint area; or for example, extensive deterioration of substructure concrete due to water seepage should be investigated for related failed drainage structures. This information shall be brought to the attention of the Authority to coordinate with the Deck Program or evaluate the need and priority, due to severity and proximity, to perform repairs as part of the Miscellaneous Repair.
- (g) The Successful Qualified Firm shall investigate the feasibility of replacing the existing sliding plate or rocker type bearings with pot bearings, laminated elastomeric bearings or seismic bearings for a portion of the total defective bearings observed in the field. A seismic analysis is not required. Final repair recommendations shall consider life cycle costs of various repair options.
- (h) The Successful Qualified Firm shall evaluate the location of the deterioration and anticipated duration of repair with respect to the accessibility to site, including jacking or temporary support restrictions, obstructions, or special consideration due to the proximity of utilities and/or drainage inlets, and geometric limitations affecting maintenance and protection of traffic (MPT) for both Turnpike and local roadways, such as reduced or lack of shoulders or reduced Underclearance. Shoulder widths shall be field measured if it is determined that a contractor will be required to install construction barrier to perform work at any substructure element, either due to restricted shoulder widths or limited horizontal and/or vertical sight distances. The Successful Qualified Firm shall also review recent test results and recommend repairs for several structures containing substructure elements with evidence of map cracking and efflorescence normally characteristic of alkali-silica reaction (ASR) conditions.

5. Scope of Project – Long Term MPT Reconstruction for Contract T100.740

As part of the Phase A submission, the Successful Qualified Firm shall recommend the feasibility for inclusion of one of the long term MPT reconstruction alternates, which are either the deck replacement of Str. No. 103.53 NO, partial depth deck reconstruction of Str. No. 104.74B or parapet replacement of Str. No. W106.98 A. The Authority shall make the final determination of which bridge will be included in the Contract for deck replacement or partial depth deck reconstruction or parapet replacement.

The scope of rehabilitation for this assignment for the bridge selected involves one of the alternatives above including those incidental items such as deck joints, drainage facilities, parapets, median barriers and roadway lighting, as applicable. The rehabilitation shall also include repairs and strengthening or replacement of structural steel members and bearings if required. Repainting of structural steel shall also be considered.

The services furnished shall include but not be limited to the following items of work:

(a) Survey

The Successful Qualified Firm shall provide a ground control field survey as necessary to establish existing conditions and control for design and construction, including a survey to establish New Jersey Turnpike Authority Right-of-Way in critical areas. Survey data shall be collected electronically, and the original and edited field files shall be provided to the Authority with project deliverables as records of the survey.

Structural Steel elevations and information required for deck reconstruction and structural rehabilitation shall be obtained from the field survey. The Successful Qualified Firm shall field verify required data and not rely on the accuracy of as-built drawings. Real-Time Kinematic (RTK) GPS survey will not be permitted given tolerance issues as compared to total stationing method. Final survey shall be performed by the contractor to verify the data prior to construction.

The Successful Qualified Firm shall survey any overhead utility lines and submit the survey information to the respective utility companies in accordance with their requirements.

(b) Mapping

The Successful Qualified Firm shall survey the area of work in order to provide the mapping for the project.

All necessary horizontal and vertical ground control for mapping shall be provided for under this assignment. Permanent traverse points shall be used for the ground control (with ties) with the locations and elevations plotted onto the mapping. Ties for all available NJTA monumentation, if used, shall be plotted onto the mapping.

(c) Utility Relocations/Protection

Existing utilities are present below and above the structures, in the underdeck area and within the project work limits including roadway lighting, communication cable, NJTA Fiber Optic Cable, and other utilities. The Successful Qualified Firm shall identify all existing utilities and include provisions in the contract drawings and requirements for utility relocations and prepare all necessary Utility Orders in accordance with NJTA's Procedures Manual.

The Successful Qualified Firm shall prioritize and expedite the required Utility Orders based upon coordination of the utility work with the anticipated schedule for construction. All facilities (conduits, junction boxes, etc.) considered abandoned, non-functional, or deleterious to the newly rehabilitated structure shall be removed.

(d) Right-of-Way

The Design and Procedures Manual shall be followed for preparing Right-of-Way documents. The Successful Qualified Firm shall review the existing Right-of-Way documents and assess the need for establishing/verifying the Right-of-Way due to the need for construction staging yards and access. The Successful Qualified Firm shall prepare all documentation for temporary construction easements if deemed necessary.

(e) Permits

The Successful Qualified Firm shall prepare and obtain all necessary permits (including environmental permits) required in the design phase of Contract No. T100.740. The Successful Qualified Firm shall identify and list all necessary permit requirements in Phase A submission. The Authority will pay for the application fees for the permits.

(f) Drainage Improvements

The Successful Qualified Firm shall develop temporary and final drainage studies and final designs for the bridges and approach roadways. The Successful Qualified Firm shall prepare support documentation ("Post Construction Program Design Checklist for Individual Projects" form) necessary for compliance with the

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Authority's Stormwater Pollution Prevention Plan for activities associated with the Contract No. T100.740.

The Successful Qualified Firm shall investigate the requirements and design for drainage during staged construction.

(g) Rehabilitation Design

Rehabilitation of the existing structures shall be designed in accordance with NJTA's Design Manual, including the standards and guidelines established for the evaluation of existing members, design of new members, and deck reconstruction.

The transverse project limits shall include the full width of travel lanes and other areas as required to facilitate staged construction.

It will be the Successful Qualified Firm's full responsibility to define the exact limits of reconstruction which will depend on such factors as potential impact on traffic operations, varying roadway geometry and superstructure framing configurations.

- i. The Successful Qualified Firm shall review commercially available deck systems, including but not limited to Exodermic, Inverset, Precast Panels, including Lafarge Ductal Joint System, Precast and Cast-in-Place Grids, Cast-in-Place Concrete; all using HPC Concrete. Review of alternate deck systems shall take into account access, MPT requirements, durations of activities, useful service life factors and life cycle costs. The Phase A submission shall include a report containing an evaluation of conventional/VS alternate deck systems and site specific recommendations for implementation in this project.
- ii. The new deck system shall be designed so that it is composite with the existing structural steel. The use of composite construction will require a layout of shear studs. The Successful Qualified Firm shall evaluate the effects of this and determine the performance benefit by way of LRFR load rating. The Successful Qualified Firm shall consider the location of required longitudinal construction joints and how they are joined together with each stage of work. Load rating calculations using LRFR methodology shall be performed in accordance with the following requirements and guidelines: American Association of State Highway and Transportation Officials (AASHTO) Manual for Bridge Evaluation, 3rd Edition, 2018, including all subsequent interim revisions; The New Jersey Turnpike Authority LRFR Load Rating Manual, Version 9.7, January 2022; and the AASHTO LRFD Bridge Design Specifications, 9th Edition, 2020, including all subsequent interim revisions.
- iii. The Successful Qualified Firm shall review the existing roadway cross sections and profiles for the project bridges for compliance with current NJTA geometric design criteria. The Successful Qualified Firm shall evaluate the impacts and costs for upgrading to meet compliance and recommend incorporation of the improvements into the Contract.
- iv. The primary staging goal is to maintain current lanes of traffic during each stage of deck reconstruction. If it is determined that there are select deck panels which cannot be replaced while maintaining current through lanes of traffic without implementing extraordinary measures such as a traffic split, superstructure and substructure widening, use of temporary bridges, or replacement of recently reconstructed parapets, the Successful Qualified Firm shall investigate alternate methods for accelerated deck reconstruction, to be performed while maintaining minimum number of through lane of traffic during off-peak hours per the Authority's Lane Closure and Shoulder Closure Tables in the Manual for Traffic Control in Work Zones. The rehabilitation shall include localized structural steel repairs where fatigue or heavy deterioration exists, including but not limited to crack repairs, member strengthening and replacement of existing fasteners with high strength bolts, and limited repainting. The Successful Qualified Firm shall make recommendations regarding the need for strengthening or replacing of structural members to attain compliance with current standards. Given the time constraints of performing steel repairs in conjunction with deck removal and replacement operations, the Successful Qualified Firm shall include contract provisions for prefabricating and furnishing steel repair components on site to expedite repairs as deficiencies are exposed.

The Successful Qualified Firm shall investigate the feasibility of providing redundancy and/or continuity details to the existing bridge.

The Successful Qualified Firm shall provide complete final LRFR load ratings for the rehabilitated structure, in accordance with NJTA's Design Manual.

(h) Routine Deck Repairs and Emergency Deck Repairs

The Successful Qualified Firm shall design repairs necessary for the maintenance of the existing bridge decks within the limits of the MPT, for its entirety, throughout the duration of the Contract. Provisions shall be included in the contract documents for such repairs to be performed before and during the actual staged construction.

Provisions shall be included in the contract documents for partial and full depth deck panel and spall repairs, headblock repairs, deck joint header repairs, and resurfacing performed as required on an emergency basis for the contract bridges. Provisions shall be included in the contract documents for cementitious and asphalt surfacing repairs.

(i) Staging, Demolition and Disposal Operations

The Successful Qualified Firm shall evaluate allowable equipment means and methods for bridge element removal operations to eliminate those which may damage the existing superstructure steel to remain. The contract drawings shall identify all project areas where provisions for noise and dust control are required, as well as staging areas for equipment, storage and disposal of materials. Methods and locations for disposal of removed materials and debris shall be included in the contract drawings and specifications. The Successful Qualified Firm shall evaluate and make recommendations for the possible placement of the concrete spoils under the structure for access. Information regarding the disposal of wastewater generated by hydrodemolition methods of concrete bridge deck removal shall be included in the contract drawings and specifications. Structural steel repairs required prior to shifting traffic into the shoulders shall be clearly identified in the staging plans.

(j) Temporary Shielding/Catch Protection

The Successful Qualified Firm shall include specific contract requirements to protect all structures, roadways, utilities, right-of-way or property of others, and facilities beneath the work site. The catch system shall be clearly delineated on the contract drawings. The Successful Qualified Firm shall also assess the need for supplemental protection of structural steel during demolition, formwork installation, concrete placement, and any other operations that may cause damage.

(k) Lighting/Electrical Improvements

The Successful Qualified Firm shall provide for the replacement of the existing parapet-mounted roadway lighting standards in conjunction with the parapet reconstruction, including any temporary facilities required during constriction and under bridge lighting.

(l) Roadwork

Appurtenances and approach roadway features shall receive field inspection to verify their conditions. Shoulders, pavements, and inlet conditions shall also be inspected in order to determine their suitability to carry traffic during various construction stages. The Successful Qualified Firm shall prepare recommendations for repair and/or replacement of approach roadway pavement as required.

Provisions shall be made in the construction contract documents for the continued operation of Authority facilities if disruption should occur during construction. Existing guard rail, drainage, striping, signing, lighting, delineation, etc., shall be maintained at all times by permanent or temporary means.

(m) Project Constructability

The Successful Qualified Firm shall identify, investigate, and address constructability requirements during each phase of the design process. Alternative analyses and preliminary and final design details shall encompass constructability issues including current construction techniques, scheduling, economic factors, permit conditions, maintenance and protection of traffic, access, and production rates. Construction Cost Estimates and construction schedule shall be provided with each Phase Submission. A preliminary Construction Schedule with backup computations and draft Constructability Review Report shall be provided with the Phase B Submission. The final Constructability Review Report, including final Construction Cost Estimate, final Construction Schedule, and summary of resolved constructability issues shall be provided with the Phase C Submission.

(n) Maintenance and Protection of Traffic (MPT)

MPT shall be designed in accordance with the criteria outlined in NJTA's Design Manual, latest MPT Standard Drawings, and latest Lane Closing Tables under the Lane Closing Application. Traffic protection plans and cross sections shall be developed for each construction stage showing placement of traffic protection devices, temporary lane configurations, and line striping changes. All final Maintenance and Protection of Traffic Plans and Specifications must meet the approval of the Authority's Operations Department.

Current number of through lanes must be maintained in each direction throughout the work limits during major construction stages, except for certain bridge-specific locations constrained by superstructure and deck geometry limitations, short duration (daily/nightly) closures required for Contractor access, placement of construction barrier and line striping changes. For those areas constrained by geometry limitations, the Successful Qualified Firm shall investigate alternate methods for accelerated deck reconstruction to be performed while maintaining minimum number of through lanes of traffic during off-peak hours as per the approved Lane Closure Tables in the Authority's latest Manual of Traffic Control in Work Zones.

The minimum desirable temporary lane width shall be 11'-0". Temporary median barrier with minimum 1'-0" shoulders shall separate opposing temporary traffic where applicable.

The Successful Qualified Firm shall review proposed construction joint locations to ensure that they will not be located in the permanent wheel paths. Construction joints shall be aligned within 1 foot of permanent lane lines, or within 1 foot of the center of permanent lanes, where feasible.

MPT shall be performed by the Contractor, and shall include placing, maintaining, patrolling and removing lane and shoulder closings. Signs, sign stands, and traffic cones will be supplied by the Contractor. Arrow boards, variable message signs and truck mounted attenuators (TMAs) shall be furnished, operated, and maintained by the Contractor.

The contract documents shall define the availability of lane closing times, including allowable lane closing hours during the week and over weekends, starting and ending point locations for lane detours, lane closings and line striping tapers for each construction stage and work zone as deemed permissible by the Operations Department during the design process, so that the Contractor is made fully aware of access restrictions for this project. MPT and construction staging shall be coordinated with any concurrent contracts in the project area.

Following the Phase B Submission and Review the Successful Qualified Firm shall prepare an MPT Submission including preliminary traffic control plans, complete MPT specifications and appendices, a preliminary construction schedule with backup computations and a draft Constructability Review Report by qualified construction personnel. The MPT submission shall be 95% MPT design complete for review by the Engineering and Operations Departments.

The plans and specifications shall indicate proposed traffic staging which details concrete construction barrier layout, cone lines, signage, positioning of attenuator systems, line obliteration, temporary line striping, and allowable primary and supplemental lane closing hours and details and durations of the construction staging.

A meeting will be scheduled with the Operations Department for review. MPT Review Comments shall be addressed for the Phase 'C' submission as indicated in the design schedule.

(o) Partial Depth Deck Overlay

The scope of rehabilitation for the bridge(s) selected partial depth deck overlay involves hydrodemolition of the existing deck to the limits provided in the contract documents, a partial depth overlay of existing concrete bridge decks, and reconstruction/replacement of those items incidental to the deck such as deck joints, drainage facilities, parapets, median barriers, and roadway lighting, as applicable. The rehabilitation shall also include repairs and strengthening or replacement of structural steel members and bearings if required. Repainting of structural steel shall also be considered.

The use of a hydrodemolition process for the removal of deck concrete utilizes computerized, self-propelled machines that deploy high-pressure water jetting for controlled demolition of existing overlays and bridge decks. As part of the scope of work for this assignment, the Successful Qualified Firm shall evaluate the required depth of concrete deck removal and provide a recommendation on this removal depth, including whether or not removal should be performed below the top mat of reinforcement. The contract documents shall specify the removal of unsound and sound concrete to the required depth leaving behind exposed aggregate and roughened concrete which is typically excellent for bonding of the concrete overlay. Where reinforcement steel is exposed, any rust and epoxy coating on the reinforcement steel shall also be specified for removal through the hydrodemolition process.

Use of hydrodemolition equipment requires that containment system be employed to retain and reclaim the water. Equipment calibration is required to determine the optimal water pressure for removing in-situ concrete which is commonly of a strength that far exceeds strengths noted on design and as-built plans and varies greatly depending on condition, age, and composition.

The concrete overlay construction shall follow standard procedures following hydrodemolition: deck and steel surfaces are to be cleaned and dried, epoxy bonding and anti-corrosion coatings shall be applied, an overlay shall be constructed, and micromilling and sawcut grooving shall be performed to improve ride quality and reduce surfacing cracking.

In general, the bridges selected to be evaluated were chosen based on the Authority's experience to date with hydrodemolition and HPC overlay with consideration of the following:

- i. Structures cannot be in poor [4] or worse condition but shall be rated fair [5] or satisfactory [6] as coded on the SI&A for items [58] Deck, [59] Superstructure, and [60] Substructure.
- ii. Deck should have a relatively uniform condition based on assessment of as-built plans and previous repair contracts. Isolated deck replacements are acceptable but should be limited to approximately 1/3 of the total bridge deck. Structures that have extensive deck replacements and/or deck repairs are not suitable candidates for hydrodemolition because the variable concrete strength complicates calibration and uniformity of deck removal.
- iii. The structure's underdeck should be in fair to good condition in order to reduce risk of blow-throughs during hydrodemolition concrete removal. A field visit or review of the bridge inspection report should be performed to verify conditions are primarily in condition state 1 or 2 per the NJTA Bridge Condition Inspection Manual. SIPs will have less possibility of blow-throughs.
- iv. Deck details affect suitability of hydrodemolition. Decks with truss reinforcement bars (or similar), precast panels and orthotropic deck are typically not suitable for use of hydrodemolition. Decks with

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thicknesses of 8 inches or greater are typically ideal candidates, but decks of seven inches thick can be used.

- v. Decks that have undergone multiple resurfacings are ideal candidates as the concrete cover above the top mat of reinforcement has been reduced.
- vi. Structures that have existing load ratings below unity and that are non-composite should not be considered for hydrodemolition for deck removal and concrete overlay.
- vii. Location must be such that the allowable lane closing hours for the feature crossed and noise restrictions can be balanced (i.e., not ideal in a highly residential neighborhood with nighttime noise restrictions over a high-volume roadway that can only have reduced through lanes at night).
- viii. Structure's location must have the availability to stage equipment and water source within proximity to work area. The staging can occur on the structure within the work zone if the capacity of the structure is adequate. Staging can occur on approach roadways if the structure length is appropriate.
- ix. Proximity to a water treatment plant and water source shall be considered.

The Successful Qualified Firm shall have an understanding of the above, and should comment and expand on this criteria, based on their experience.

For bridges where hydrodemolition and partial depth overlay will be evaluated, the Successful Qualified Firm shall perform the following:

- (a) A non-destructive (GPR, Infrared, etc.) testing program to aid in the location of deck reinforcement and a destructive testing (coring) testing program to obtain information on the concrete strength, composition, chloride contaminant levels, concrete deterioration and the extent of reinforcement corrosion. Compressive strength is valuable information for the contractor to consider during bid development (affects equipment type, production rates and removal cost) and during construction (calibrating equipment). Testing must be performed during Phase A design to confirm suitability of hydrodemolition and a partial depth overlay approach as well as to provide information necessary for subsequent design phases
- (b) An evaluation and determination/ of site constraints at each bridge location with consideration of the following:
 - i. Allowable Work hours
 - ii. Work zone layout and access
 - iii. Ability to treatment and/or dispose of Wastewater
- (c) The Successful Qualified Firm shall discuss the following items for inclusion in the Contract Documents specific to hydrodemolition/partial depth overlay:
 - I. Construction Supervision requirements
 - II. Equipment operator requirements
 - III. Field personnel requirements during construction
 - IV. Demonstration Area requirements

- V. Existing Structure capacity verifications (heavy equipment required for operations and induced vibrations)
- VI. Containment and shielding requirements

6. Specific Requirements and Conditions – Submissions

Phase ‘A’

- i. Based on the visual inspection and the available construction budget, the Successful Qualified Firm shall recommend structures for repair in order of priority. For consistency, the Successful Qualified Firm shall use the Authority's Bridge Management System's Condition Inspection Manual, latest edition, for the condition rating of the individual elements. This list, which constitutes the Phase 'A' submission, shall identify the type of repairs proposed, repair locations and include a preliminary Engineer's Estimate. The list shall indicate any utilities, railroads, local roads or other similar pertinent information that may affect the performance of the work and required utility orders.
- ii. The Successful Qualified Firm, based on their investigations, shall identify the structures recommended for repair in order of priority, keeping in mind the available construction budget. This list, which constitutes the Phase 'A' Priority Repair List, shall systematically rank the structures identifying the type of repairs, repair severity, location and cost based upon a preliminary Engineer's Estimate.
- iii. Based on established seasonal restrictions, regional and local lane closing conflict criteria and number of anticipated construction cycles for each bridge, the Successful Qualified Firm shall prepare a draft construction schedule that will be used to ensure that the structures selected for inclusion in the contract can be constructed within the contract schedule.
- iv. The Phase 'A' submission shall be in the form of a bound report that contains the following items; written introduction, a summary paragraph of each bridge selected discussing deficiencies, top deck condition highlighting recommended repairs, under deck condition, by panel highlighting repairs, basis for the recommended repair, an engineer's estimate which identifies the MR funding source (deck or substructure repair funds) and a separate list of bridges recommended to be included in the contract which shall be based on the draft construction schedule. An appendix shall also be included that contains a minimum of two (2) photos of the typical deficiencies for each bridge in the Priority Repair List and of all bridges recommended to be included in the contract, with legible field notes for all bridges surveyed. The field notes shall depict relevant features such as locations of roadway, railroad, and stream crossings, and other information to aid locating spans in the field. A CD and photo log shall be submitted containing all photos taken during the field investigation.
- v. Three (3) color copies of the Phase 'A' submission shall be submitted. The Miscellaneous Structural Repair and Bridge Deck Repair submissions shall be bound separately. Comments will be furnished to the Successful Qualified Firm within 10 working days.

The Priority Repair List shall contain a maximum of 25 bridges. The Authority's Project Liaison will conduct a two (2) day review of the Phase 'A' submission with the Successful Qualified Firm in the field after performing a submission review meeting. The purpose is to confirm the bridges to be included in further contract preparation and establish a rough scope of work. It is anticipated that decks on about 15 to 20 bridges, some of which are expected to be longer span bridges, will be programmed for repair. The number of bridges included in the contract may vary depending on the construction budget available. Bridges may be added or dropped from consideration during the duration of the OPS, depending on the needs of the Authority. If the scope of bridges to be repaired differs significantly from the Priority listed within the Phase "A" report, the Successful Qualified Firm shall submit a revised list of bridges to be included in the scope of the contract, with a revised cost estimate, within ten (10) working days of the Phase "A" field review.

7. Maintenance Repair Bridge List

- (a) Subsequent to the Phase 'A' submission, the Successful Qualified Firm shall prepare a list of bridges not included in the Priority Repair List that exhibit deterioration such as deck and header spalls or other deficiencies. The list is intended to be used for maintenance repairs by Authority forces. Portions of the identified work may be added to the construction contract as design progresses based on the engineer's estimate.

8. Preliminary MPT Coordination Report

- (a) Subsequent to the Phase 'A' submission, the Successful Qualified Firm shall prepare a list of all anticipated stages for construction and work zones which may have extraordinary MPT requirements due to limited access, adjacent ramps and/or ramp structures, long duration stages, split shifts, detour routes or other requirements which necessitate preliminary review and guidance by the Authority's Operations Department. Stages in which the roadway geometry may be insufficient for truck traffic, and for which additional studies may be required, will be identified, so that early review and concurrence on detour routes can be obtained.
- (b) Locations of taper points, including alternative points for work areas in which multiple cycles are planned will be included in the report. Aerial views of select work zones with mileposts, striping and cone placement shall be included. Photographs or drawings depicting overhead sign text, and recommendations on covering, may be required to adequately address MPT.
- (c) For each work area proposed where seasonal restrictions currently exist, a traffic impact analysis may be performed to confirm or challenge the current seasonal restriction. Based on the proposed staging of work (weekly cycles with lane shifts vs. weekend cycles), the Successful Qualified Firm may be required to complete additional workzone traffic impact analysis using the Highway Capacity Manual, other AASHTO and FHWA guide publications or software models and Authority furnished link traffic volumes. Work shall be performed under the guidance of a Certified Professional Traffic Operations Engineer. The effort associated with this task will be charged to the "unanticipated services" portion of the OPS.
- (d) The Successful Qualified Firm shall present, by Stage, the work proposed by item quantities and cost. Complex stages may be identified to have transition MPT stages presented. Transition stages may require interim striping, additional State Police slowdowns and/or barrel closings.
- (e) Five (5) copies of a Preliminary MPT Coordination report shall be submitted that includes a preliminary construction schedule, cross-sections and aerial views which convey the anticipated access needed to perform the proposed work.
- (f) The report shall be the basis of a review meeting with the Operations Department and Construction Division. Comments will be furnished to the Successful Qualified Firm within 15 working days.

Phase 'B'

- i. The Phase 'B' submission shall be in the form of 60% complete contract drawings, including details (95% complete repair scope of work drawings), a preliminary construction schedule and Engineer's Estimate by Stage and/or HICC. Plans shall present new or proposed repair details. The plans shall indicate any utilities, railroads, local roads or other similar pertinent information that may affect the performance of the work. Elevation views shall be provided to illustrate geometric plans to include plan and elevation of each structure constraints and accessibility.
- ii. The Phase 'B' submission shall include Standard Pay Item Numbers and Descriptions, and Construction Materials not covered by the Standard Specifications, 7th Edition, 2016, Standard Supplementary Specifications and Qualified Products List. A list of known Unit Codes and Requested Unit Codes as per the Authority's Manual for Unit Codes and Capex User's Guide shall also be provided.
- iii. A Draft specification shall also be submitted as part of the Phase "B" submission.
- iv. All plans presenting work over railroads shall show the railroad right-of-way, track locations and rail owner's track designation and milepost.
- v. Five (5) copies of the Phase 'B' plans, supplementary specifications, preliminary construction schedule and Engineer's Estimate, by stage, if warranted, shall be submitted.
- vi. The Authority's Project Liaison will conduct a field review of the Phase 'B' submission with the Successful Qualified Firm after the formal Phase "B" review meeting. The purpose is to confirm the proposed scope of work on the bridges to be programmed for repair. Comments will be furnished to the Successful Qualified Firm within 12 working days.
- vii. All required utility orders shall be prepared for processing by NJTA with the utility companies.

9. MPT (Draft and Final) and Construction Schedule

- (a) The Draft MPT submission shall include five (5) copies of the preliminary traffic control plans, complete MPT specifications and Appendices. The Phase A construction schedule shall be updated/expanded to include backup computations and a draft Constructability Review Report by qualified construction personnel. The Draft MPT shall be 95% MPT design complete for review by the Engineering Department. Comments will be furnished within 10 business days and shall be addressed for the Final MPT submission.
- (b) The plans and specifications shall indicate proposed traffic staging that details concrete construction barrier layout, cone lines, signage, positioning of attenuator systems, line obliteration, temporary line striping, temporary lane identification convention, allowable primary and supplemental lane closing hours and any stipulations required for each bridge. In identified complex cases, additional drawings depicting the installation and removal of the MPT devices for the construction staging shall be included.
- (c) The Successful Qualified Firm shall prepare a Local Jurisdiction tracking sheet to ensure necessary approvals have been received from those having jurisdiction prior to the Final MPT submission but no later than Phase 'C' submission. Approvals may be necessary from State, County and Local Engineering departments, police and school officials and Township Mayors and/or administrators, depending upon the complexity of the MPT or detour.
- (d) Five (5) copies of the Final MPT plans and specifications shall be submitted to the Authority as indicated in the schedule for review by Operations Department. The Final MPT submission shall also include a second submission of the backup including man-hours and equipment hours incorporating comments from the Authority's review of the preliminary MPT submission.

- (e) A meeting will be scheduled with Operations for review. Comments will be furnished within 3 weeks or more and shall be addressed for the Phase 'C' submission as indicated in the design schedule.

Phase 'C'

- i. The Phase 'C' submission shall include a Final Shoulder Pavement Assessment Report. The findings of the report identifying shoulders requiring improvement, and quantities, shall be incorporated within the Phase 'C' plan and specification documents.
- ii. The Phase 'C' submission shall include a final construction schedule with comments incorporated from previous submissions. The Final Constructability Report shall be performed by a qualified Construction Engineer, not a member of the design team.
- iii. The Successful Qualified Firm shall submit two (2) copies of the "Lane Occupancy Charge" (LOC) report based on the Road User Cost Manual. The Successful Qualified Firm shall request Authority furnished traffic counts by classification, hourly distribution, link and anticipated season of construction.
- iv. Five (5) copies of the Phase 'C' submission shall be submitted and consist of 95% complete contract drawings and specifications, including an estimate of quantities and costs, by stage. The estimate of quantities shall provide approximately 1-2% contingency for items under the "if and where directed by the Engineer" column solely for use on bridges within the contract.

Phase 'D'

- i. With the Phase 'D' submission, the Successful Qualified Firm will be required to sign a Fiber Optic Cable Certification form, FOD 2/22/00, attesting that he has been acquainted with the information shown on the As-built drawings and the field conditions and that he has incorporated same in the contract.
- ii. The Successful Qualified Firm shall comply with the requirements of the NJDPES Highway Agency Stormwater General Permit, complete and submit the Post-Construction Program Design Checklist for Individual Projects with the Phase 'D' submission.
- iii. The Phase 'D' submission shall consist of 100% complete contract drawings (Mylars) and duplication ready specifications, one (1) set of full size drawings, five (5) sets of ½ size drawings, supplementary specifications, construction schedule and Engineer's Estimate.
- iv. The Successful Qualified Firm shall submit electronic copies of the final contract documents on a CD. Plans shall be submitted in both Microstation and Adobe Acrobat .pdf file formats. A Microsoft Excel file shall be submitted to allow importing of the contract pay items into the Authority's CAPEX/BidEx bidding software.
- v. Full size Phase 'D' plans, specifications and cost estimate shall be transmitted to the General Successful Qualified Firm under separate cover at the same time.

10. Maintenance and Protection of Traffic

(a) Introduction

- i. The Successful Qualified Firm shall develop detailed Maintenance and Protection of Traffic Plans and Supplementary Specifications. These plans in some cases may reference the standard drawings but, in most cases, must show the limits of line striping obliteration, temporary striping, placement and limits of concrete construction barrier, locations of lane closing tapers specified by mile post, lane shifts, signing and traffic device placement for each construction stage. The Successful Qualified Firm shall provide in the contract for the contractor to furnish and maintain an

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appropriate number of variable message signs and trucks with mounted attenuator (TMA). Pre and post lane closing Maintenance and Protection of Traffic plans will be required in merge or other unusual traffic pattern locations in order to convey the proper switching and installation sequence. The traffic staging shall take into account the traffic requirement that short-term lane reductions will be permitted in accordance with the lane closing tables outlined in the Traffic Manual. The exception to this is only for High Intensity construction cycles performed over weekends or weekly cycles as justified to complete work. Traffic shifts are not typically considered to have any impact on traffic capacity and therefore are not controlled by the short-term closing outlined in the Traffic Manual. The supplementary traffic specifications shall be set up to assign priority to mainline structures. An effort shall be made to concentrate the work in certain zones, thus reducing the length and the number of required lane closings. Work on ramp, U-turn or local road bridges shall be scheduled during separate phases. The preliminary construction schedule shall address each bridge in the project and detail each construction stage and cycle. The schedule shall reflect holiday and heavy traffic day restrictions as reflected in the Supplementary Specifications and the Traffic Manual.

- ii. The Supplementary Traffic Specifications (Division 800) shall make provisions for non-concurrent lane closings in same direction dualized roadways.
- iii. The contract shall provide for the Contractor to furnish, install, maintain, and remove Maintenance and Protection of traffic devices and to install, maintain and remove all lane and shoulder closings and traffic shifts.

(b) Primary and Supplemental Lane Closings

- i. The Successful Qualified Firm shall determine and outline in a table on the MPT plans for each bridge, in consultation with the Authority's Operations and Engineering Departments, the allowable lane closing hours and seasonal restrictions for each bridge based on the proposed construction stages, work volume, traffic tolerance and traffic patterns, if not provided for within the Traffic Manual.
- ii. A majority of the work requires the use of supplemental lane closings that are only permissible during certain off-peak traffic periods. Off peak traffic periods are usually at night but will vary depending on location and as outlined in the Traffic Manual. The Successful Qualified Firm shall work with the Operations Department and the Authority's Project Liaison to determine the allowable times for supplemental lane closings, if not provided for in the Traffic Manual. Supplemental lane closings are typically used for temporary construction barrier placement and removal, placement, and removal of temporary line striping, milling and paving operations, catch installation and removal, debris removal, delivery of materials and other similar work items. The location of starting and ending points for line striping tapers for primary and supplementary lane closings shall be obtained from the Authority's Traffic Engineer or his designee for each particular construction stage and location.
- iii. Traffic protection cross sections shall be developed for each work phase. They shall indicate primary and supplementary lane closing configurations including width dimensions, placement of traffic protection devices and shall note line striping changes. Each cross section shall also represent original striping locations.

(c) Traffic Shifts or Detours

- i. Virtually all roadways require the maintenance of all lanes during commuting hours. This may be achieved by the use of shoulders as a traffic lane. In special cases, traffic detours may be required. The scope of work includes evaluating the shoulders with respect to pavement resurfacing, inlet reconstruction and guard rail raising or replacement, prior to use. Traffic shifts to the shoulders is usually accomplished by means of obliteration of the existing striping and the use of temporary striping. The Successful Qualified Firm shall schedule pre-stage repair work in the shoulders as

necessary. If traffic is shifted to the shoulders, the Successful Qualified Firm shall specify milling and resurfacing to eliminate rumble strips and raised pavement markings.

- ii. During the design preparation, the Successful Qualified Firm shall determine and formally advise the Authority of conditions where two or three side by side minimum 11.0 ft. wide traffic lanes cannot be maintained on mainline roadways. This condition will require advance approvals.
- iii. During the design preparation, the Successful Qualified Firm shall determine and formally advise the Authority of conditions where ramp closures, weekend crash cycles or traffic on milled decks are required to perform the proposed work. These conditions will require advance approvals.

(d) Construction Sequencing and Construction Schedule

- i. Along with the detailed MPT plans and specifications the Successful Qualified Firm shall develop a suggested, workable construction sequencing plan and construction schedule for each work area selected. In some cases the construction sequencing plan may be combined with the MPT plans. In more complex cases, separate drawings will be required. The work is carried out in stages during weekend, part weekly, or multi-week construction cycles in duration and is typically performed within single or multi-lane closings. Based on the construction sequencing plan and allowable lane closing times developed, the Successful Qualified Firm shall quantify the duration of each construction stage. The Successful Qualified Firm shall also determine the required number of weekend or part weekly cycles for each construction stage. Usually a limited number of construction cycles, preferably one, per stage is feasible or allowable due to seasonal or traffic operational restrictions. The exact duration is to be determined by the Successful Qualified Firm based on the type and volume of work scheduled in each stage.
- ii. Work stages in traffic sensitive areas shall be of short duration, limited to weekends. Two-to-three-day work cycles shall be considered. Depending on volume, additional work cycles may have to be considered.
- iii. Work required in center lanes, for long-term or overnight duration, shall be scheduled in conjunction with the left lane, providing two lanes of traffic can be maintained using the remaining available lane or shoulder as a traffic lane.
- iv. Concrete construction barrier shall be specified in conjunction with deck panel replacements and deck reconstruction. The use and placement of the concrete construction barrier shall conform to current New Jersey Turnpike Authority standards for Type 4 barriers. On bridges or viaducts exceeding 500 ft. in length, the concrete construction barrier may be placed non-continuous in individual enclosures provided the distance between the end of one enclosure to the temporary impact attenuator of the next enclosure is 200 ft. or more. Construction barrier layout and joint class is to be determined by the Design Successful Qualified Firm.
- v. The Successful Qualified Firm shall have qualified construction personnel review the construction sequencing and construction schedule. After this review, the Successful Qualified Firm shall submit, as part of the Draft MPT and Construction Schedule Submission, backup computations. These shall include man-hours, equipment hours and any other pertinent information to support the proposed construction schedule. The Authority will provide comments which shall be incorporated in the Phase 'C' submission.

e) Miscellaneous

- i. The Consultant shall perform computations to determine the quarter hour rate of Lane Occupancy Charges for work areas where contractor installed lane closings are not removed at the appropriate times using Road User Cost Manual. These computations shall be generated for single lane and multiple lane conditions, broken out between Interchanges, by direction and number of lanes, by

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Peak and Off-Peak Seasons on the NJ Turnpike, Newark Bay-Hudson County Extension and Pearl Harbor Memorial Turnpike Extension.

- ii. The Successful Qualified Firm shall evaluate the standard joint hardware design and provide recommendations for possible improvement. Extensive details for new joint hardware shall be developed. The Successful Qualified Firm shall produce standard drawings for each unique joint condition encountered and provide the most accurate dimensions possible. This will enable an expedited shop drawing production during the construction. The contractor will be responsible for verifying dimensions prior to joint fabrication. The joint details shall be developed utilizing all information available including as-built drawings and existing field conditions. The Successful Qualified Firm shall coordinate with the Authority's Operations Department and Project Engineer to utilize a combination of lane closings, shoulder closings and slowdowns to survey the existing field conditions.
- iii. The Successful Qualified Firm shall provide the Supplementary Specifications in the same format as the Standard Specifications (Refer to VI.D.2). The Successful Qualified Firm shall coordinate sign, plan presentation and details, specifications and pay items with other Successful Qualified Firms to establish continuity between Contract Nos. T100.740, T100.744, and two (2) Parkway Bridge Repair contracts, P100.739 and P100.743. Five (5) coordination meetings at the Authority's offices should be anticipated within the fee proposal. The schedule will be determined as design gets underway.
- iv. The Successful Qualified Firm shall conduct and manage a shoulder pavement evaluation program where traffic is shifted to the shoulder during construction in accordance with the Authority's DRAFT "Shoulder Pavement Assessment Procedure" which will be provided at notice to proceed. Successful Qualified Firm shall make recommendations to the Authority regarding pavement condition based on Structure Location, Average Daily Traffic, Daily Truck Traffic, Duration of Lane Shifts, Horizontal and Vertical curves in the work zone, Ramp restrictions, confirmed as-built information, drainage and field assessment based on the appearance of distress. **The Successful Qualified Firm shall provide for \$30,000 in the Fee Proposal to propose, conduct and manage a shoulder pavement assessment program consisting of Ground Penetrating Radar and Core Sampling.** Work shall not commence without approval by the Authority.
- v. The Successful Qualified Firm shall evaluate the type of striping in each work zone to ensure that a compatible method of obliteration (i.e., black paint, etc.) temporary striping and permanent striping is specified.
- vi. The specifications shall state the contractor will be required to follow the "One Call Law" field stake out in accordance with the N.J. Board of Public Utilities Excavator Handbook for damage prevention of buried utilities. The One Call System can be reached by dialing 1-800-272-1000.
- vii. The Successful Qualified Firm shall develop "Smart Work Zone" plans and specifications as required by Operations in various MPT schemes where advance patron notification and alternate route advisories are required. The scope of these services shall be identified and paid for as an Unanticipated Service.
- viii. The Successful Qualified Firm shall use the "Guideline for Use of VMS Systems for Construction" in developing recommendations for use of the various types of permanent variable message signs, and in the preparation of details for portable variable message signs.
- ix. The Successful Qualified Firm shall make provisions for the re-establishment of the automatic traffic surveillance and control system detection loops and trunk cables, where affected.
- x. The Successful Qualified Firm's staff shall acquaint themselves with the Authority's Fiber Optic

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Cable facilities extending nearly the length of the Turnpike, including branch runs. As-built drawings of the Fiber Optic Cable facilities are on file in the Authority's Engineering Department. The Successful Qualified Firm shall show on the contract drawings the Fiber Optic Cable facilities when in proximity of the proposed repairs and make reference thereto in the specifications.

- x. The Successful Qualified Firm shall identify areas where roadway lighting or communication facilities will be affected by work and make provisions for maintenance of same, as necessary. The Successful Qualified Firm shall specify all shop drawings required for the project and list them and required submission dates within Subsection 104.08.
- xii. The Successful Qualified Firm shall prepare cost estimates, attend review meetings, and the contract bid opening. The Successful Qualified Firm shall analyze the bids and recommend the low bid for acceptance or rejection.
- xiii. The Successful Qualified Firm shall estimate the effort required for shop drawing review based on the Contract requirements and include this in their Fee Proposal.
- xiv. The Successful Qualified Firm shall provide 40 hours within the fee proposal to review available plans and conduct a field visit of the affected structures to identify work which will need to be advanced or coordinated with other regional transportation projects subject to the approval of the Authority.
- xv. The Successful Qualified Firm may use the services of a materials specialist firm as a subconsultant to assist in determining appropriate destructive and non-destructive testing and evaluation on an as-needed basis, based on recommendations made in the Phase A submission and with the prior written approval of the Authority. **The Successful Qualified Firm shall provide for \$50,000 for material testing services in the Fee Proposal.** Scope of services shall be identified and paid for as an Unanticipated Service.
- xvi. The Successful Qualified Firm shall prepare electronic files (in both Word and pdf formats) of the Supplementary Specifications that incorporates all accepted Addendum items. All Addendum items/changes that pertain to the Supplementary Specifications shall be depicted within the final documents in accordance with examples provided by the Authority.
- xvii. The Successful Qualified Firm shall coordinate with the designated New Jersey Turnpike Authority Key Custodian or Security Liaison to obtain security keys necessary to open the locks at locations where security fence is present. If not designated elsewhere in this RFEI, signs denoting that unauthorized access is prohibited are posted at all gates where security keys must be signed out. A representative of the Successful Qualified Firm who will require access at the bridge(s) shall obtain the security key in person at the Authority's headquarters. Keys shall only be signed out for the bridges where active inspection or evaluation will be ongoing; the Successful Qualified Firm will not be permitted to sign out keys for locations where work is not currently active. The Successful Qualified Firm will be required to fill out and sign a key request form for each individual key and adhere to the Key Receipt Authorization Memorandum. The Successful Qualified Firm will be responsible for the key and for the corresponding locks for the area secured by the locks while the key is in their possession. Gates shall be locked at the end of each day. Individuals who sign for keys are responsible for performing a visual inspection of the area upon arrival to the bridge each day and immediately reporting any irregularities or breaches to their NJTA Liaison and to the Security Liaison. In case that suspected unauthorized access to an area is observed, the Successful Qualified Firm shall contact the NJTA Operations Department or State Police. The Successful Qualified Firm shall not try to engage with personnel suspected of unauthorized access. Once the key is no longer needed, the individual who signed for the key shall return it to the Key Custodian and, if requested at the time of turn-in, the Successful Qualified Firm will receive a receipt for their records indicating the key has been returned. To ensure that all keys are returned

by Successful Qualified Firm subconsultants to the Key Custodian, the successful return of keys, or payment for replacement keys and locks, will be considered a condition of all OPS' involving the access to areas protected by the Bridge Security Fencing.

11. General Requirements and Conditions

- (a) The preparation of plans and specifications required for this project shall be in accordance with the Authority's Design Manual, dated May 2007, or latest, the 2016 Standard Specifications, 7th Edition, the latest Standard Supplementary Specifications and the Authority's Manual for Traffic Control in Work Zones.
- (b) All plan, elevation, cross-section and detail presentations shall be to scale. A separate estimate of quantity table with quantities broken down by stages shall be shown for each bridge on the Construction Plan Sheet for that structure.
- (c) All printing of contract bid documents will be performed by the Authority. All printing and compilation of phase review documents will be performed by the Successful Qualified Firm as defined previously.
- (d) The CADD files shall be delivered in Microstation format as approved by the Authority and shall match the contract plans. All contract deliverables shall be in accordance with the Authority's documentation outlining all CADD submissions entitled "CADD Standards Manual". The current document may be viewed and downloaded from the Turnpike Authority's web site. All CADD documentation relating to the contract plans shall be incorporated with the CADD files in order to avoid loose papers. Each contract drawing shall be assigned its own name and be developed as a separate file, as referencing will not be permitted.
- (e) The Successful Qualified Firm shall develop all plans in CADD format and provide the Authority with all Microstation drawing files and documentation produced in accordance with this project on CD rewritable or mini data cartridge type media. The mini data cartridge media shall be of the 3M DC2120, XIMAT Format variety, and the CD shall be the CD-RW format. The Successful Qualified Firm shall provide a .pdf version of all drawing files.
- (f) The Successful Qualified Firm shall secure all necessary permits, flagging services, and post all required insurance with railroads and any other utilities. All Utility Orders, where required, will be performed under unanticipated services.
- (g) All inspection 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 Successful Qualified Firm shall be responsible for all costs associated with MPT on Authority roadways required for the field work except as defined in item 14 below.
- (h) TMAs shall be provided by the Successful Qualified Firm. A separate line item shall be provided in the Fee Proposal for the cost associated with furnishing the TMAs for the project. The Successful Qualified Firm will be required to provide a letter from the rental company which states that the TMAs supplied meet or exceed MASH TL-3 compliance to be qualified for reimbursement. In addition, the Successful Qualified Firm will be required to take photos of the TMA, specifically for review of the placement of the TMA mounted "Shoulder Closed" sign.
- (i) Complex lane closings on the Turnpike impacting the North or South Mixing Bowls, required for inspection will be installed, maintained and removed by the New Jersey Turnpike Authority's Maintenance Department.
- (j) The Successful Qualified Firm shall be responsible for all MPT necessary to perform inspections staged from local roadways.

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12. Program Funding

- (a) The total projected construction budget for Bridge Repair related work under Turnpike Contract No. T100.740 (2026) is approximately \$16.0 million, funded by the Maintenance Reserve Fund.

Depending on budget allocations, this amount may fluctuate. For Programming, \$8.5M Deck, \$2.0M for Deck Replacement, and \$5.5M Superstructure and Substructure

- (b) The total projected construction budget for Bridge Repair related work under Turnpike Contract No. T100.744 (2026) is approximately \$16 million funded by the Maintenance Reserve Fund.

Depending on budget allocations, this amount may fluctuate. For Programming, \$11.0M Deck and \$5.0M Superstructure and Substructure.

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13. **DESIGN OF CONTRACT No. T100.740 (2026) – PROJECT SCHEDULE AND DELIVERABLES**

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

DESIGN SCHEDULE

Award OPS No. T4069.....	October 22, 2024
Anticipated start of work.....	December, 2024
Submittal of Design Schedule.....	December, 2024
Submittal of Phase 'A' repair priority list.....	February 13, 2025
Phase 'A' field review.....	February 27, 2025
Finalize Bridge Repair List.....	March 13, 2025
Submittal of Preliminary MPT Coordination Report.....	March 20, 2025
Preliminary MPT Coordination Report Review Meeting.....	April 10, 2025
Submittal of Phase 'B' construction plans.....	April 24, 2025
Phase 'B' review meeting.....	May 8, 2025
Submittal of Preliminary MPT Plans & Spec. – Engineering Review.....	May 29, 2025
Submittal of Revised MPT Plans & Spec. - Operations Review.....	June 19, 2025
Formal Review of MPT Plans & Specifications.....	July 10, 2025
Submittal of Phase 'C' Documents.....	July 31, 2025
Phase 'C' Review Meeting.....	August 21, 2025
Submittal of Phase 'D' Final Documents.....	September 4, 2025

CONSTRUCTION SCHEDULE

Date of Contract No. T100.740 Advertisement.....	September 11, 2025
Date for Receipt of Bids.....	October 9, 2025
Award of Contract No. T100.740.....	December 16, 2025
Notice to Proceed Contract No. T100.740.....	February 2026
Construction Completion Date.....	November 23, 2026
Emergency Repair Work Coverage.....	March 31, 2027

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and

OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

13. **DESIGN OF CONTRACT No. T100.744 (2026) – PROJECT SCHEDULE AND DELIVERABLES**

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

DESIGN SCHEDULE

Award OPS No. T4070	October 22, 2024
Anticipated start of work	December 2024
Submittal of Design Schedule	December 2024
Submittal of Phase 'A' repair priority list	March 18, 2025
Phase 'A' field review	March 23-24, 2025
Finalize Bridge Repair List	March 31, 2025
Submittal of Preliminary MPT Coordination Report	April 15, 2025
Preliminary MPT Coordination Report Review Meeting	April 29, 2025
Submittal of Phase 'B' construction plans	May 20, 2025
Phase 'B' review meeting	June 11, 2025
Submittal of Preliminary MPT Plans & Spec. – Engineering Review	June 26, 2025
Submittal of Revised MPT Plans & Spec. - Operations Review	July 16, 2025
Formal Review of MPT Plans & Specifications	August 6, 2025
Submittal of Phase 'C' Documents	September 16, 2025
Phase 'C' Review Meeting	October 07, 2025
Submittal of Phase 'D' Final Documents	October 21, 2025

CONSTRUCTION SCHEDULE

Date of Contract No. T100.744 Advertisement	October 28, 2025
Date for Receipt of Bids	December 10, 2025
Award of Contract No. T100.744	January 27, 2026
Notice to Proceed Contract No. T100.744	March 2026
Construction Completion Date	December 16, 2026
Emergency Repair Work Coverage	March 31, 2027

The Successful Qualified Firm may, at their 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.

All correspondence, invoices and transmittals for the project shall be referenced by the Authority's Order for Professional Services Number and the construction Contract Number.

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

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and

OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

REFERENCE MATERIALS:

The contract documents are available for review electronically through the Authority's Secure File Sharing Site. The following reference material is available for review:

- a) Turnpike Draft Summary Report – March 2024
- b) OPS T3943 Deck Repairs and Reconstruction Phase A Report
- c) OPS T3943 Miscellaneous Repairs Phase A Report
- d) OPS T3943 Preliminary MPT Coordination Report
- e) OPS T3943 Maintenance Repair List
- f) OPS T3943 Contract T100.665 Phase B Plans
- g) OPS T3943 Contract T100.665 Preliminary MPT Plans
- h) OPS T3915 Contract T100.651 Phase C Plans
- i) OPS T3915 Contract T100.651 Phase D Plans
- j) OPS T3915 Contract T100.651 Phase D Construction Schedule
- k) OPS T3942 Deck Repairs and Reconstruction Phase A Report
- l) OPS T3942 Preliminary MPT Coordination Report
- m) OPS T3942 Contract T100.664 Phase B Plans
- n) OPS T3916 Contract T100.652 Preliminary MPT Plans
- o) OPS T3916 Contract T100.652 Phase C Plans
- p) OPS T3916 Contract T100.652 Phase D Plans
- q) OPS T3916 Contract T100.652 Phase D Construction Schedule

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
 Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
 OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
 Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

OPS No. T4069 – Northern Turnpike Structure List
Contract No. T100.740, Bridge Repairs and Resurfacing

Deck Repair Bridges

Str. No.	Description	No. Spans
<u>Maintenance District 5 - 14 Bridges</u>		
92.69ANR	Turnpike SA 10N Ramp SISA	7
93.27	Port Reading Avenue (CR 604)	5
93.81NO	Reading Railroad (SNO)	3
95.89ANR	Turnpike Int. 12 Ramp SIT	6
96.05AS	NSO over Int. 12 Ramps NIT/TSI	2
96.23SI	Rahway River (NSI)	7
96.23SO	Rahway River (NSO)	7
99.05AN	Turnpike Int. 13 Ramp SOT	18
99.10A	Turnpike Int. 13 Ramp ST	9
99.70	Turnpike Int. 13 Ramp TN	7
99.70ANI	Turnpike Int. 13 Ramp TNI	8
99.70ANO	Turnpike Int. 13 Ramp TNO	9
100.45NO	Franklin Street	1
100.86SO	Former Bond Street	3
<u>Maintenance District 8 - 10 Bridges</u>		
105.56NT	Ramp NT-14 over Delancy Street	3
105.56TN	Ramp TN-14 over Delancy Street	3
E106.57	Conrail "Newark Branch"	5
W109.16	NJ Route 7 (Belleville Turnpike) (SNW)	3
W109.34	NJ Transit "Greenwood Lake Branch" (SNW)	3
W111.48	Berry's Creek Canal (SNW)	4
W112.72K	Turnpike Int. 16W Ramp TW over Sheraton Plaza Drive	1
W112.72L	Turnpike Int. 16W Ramp TW over NJ Route 3	1
W112.72M	Turnpike Int. 16W Ramp TW over Turnpike Int. 16W Ramps CT/TC	3
W115.36	Hackensack River	31

24 Bridges

The above list is subject to change based on changing field conditions and submitted inspection reports.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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OPS No. T4069 – Northern Turnpike Structure List
Contract No. T100.740, Bridge Repairs and Resurfacing

Deck/Parapet Reconstruction

Str. No.	Description	No. Spans	Scope
<u>Maintenance District 5 - 2 bridges</u>			
103.53NO	Bound Creek (NSO)	8	Deck Reconstruction
104.74B	Turnpike Int. 14 Ramps EXT/ALT	1	Partial-depth Deck Reconstruction
<u>Maintenance District 8 - 1 Bridge</u>			
W106.98A	Turnpike Int. 15E Ramp NET	5	Parapet Reconstruction

3 Bridges

The above list is subject to change based on changing field conditions and submitted inspection reports.

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
 OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

OPS No. T4069 – Northern Turnpike Structure List
Contract No. T100.740, Bridge Repairs and Resurfacing

Miscellaneous Structural Repairs

Str. No.	Description	Element
<u>Maintenance District 5 - 6 Bridges</u>		
93.81SI	Reading Railroad (NSI)	Superstructure, Bearings, Substructure
98.76NO	Railroad Avenue Viaduct (SNO)	Bearings
99.67ASO	Turnpike Int. 13 Ramp NOT	Superstructure
99.10	Turnpike Int. 13 Ramp SIT	Substructure, Pier 2
99.70	Turnpike Int. 13 Ramp TN	Substructure, Bearings
104.72	Port Street	Superstructure, Bearings, Substructure
<u>Maintenance District 6 - 3 Bridges</u>		
105.56	Delancy Street	Substructure
E106.57	Conrail "Newark Branch" and Service Road	Superstructure
E109.02	NJ Route 7 (Belleville Turnpike)	Superstructure, Span 2
<u>Maintenance District 7 - 1 Bridge</u>		
N0.28C	Int. 14 Ramps HLT/HNO	Superstructure
<u>Maintenance District 8 - 5 Bridges</u>		
105.56NO	Delancy Street (SNO)	Superstructure
W105.93NO	Conrail "Hamburg Branch" (Abandoned)	Superstructure
W114.05	Turnpike Ramp CNW over NSW/SNW	Substructure, Bearings
117.16NO	Overpeck Creek (SN95)	Superstructure
117.67NO	SN95 over US 46	Superstructure

15 Bridges

The above list is subject to change based on changing field conditions and submitted inspection reports.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
 Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
 OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
 Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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OPS No. T4070 – Southern Turnpike Structure List
Contract No. T100.744, Bridge Repairs and Resurfacing

Deck Repair Bridges

Str. No.	Description	No. Spans
<u>Maintenance District 1 - 2 Bridges</u>		
8.68	Oldmans Creek Road (CR 602) over Turnpike Mainline	4
21.52	Tanyard Road (CR 663) over Turnpike Mainline	4
<u>Maintenance District 2 - 2 Bridges</u>		
38.68	Turnpike Mainline over Marne Highway (CR 537) and Conrail "Bayhead Branch"	2
46.88	Burlington-Jacksonville Road (CR 670) over Turnpike Mainline	4
<u>Maintenance District 3 - 4 Bridges</u>		
53.41A	Turnpike Int. 7 Ramps WT/ET/TW/TE over Blacks Creek	4
57.55	Turnpike NSI/SNI and Ramps SASI and SISA over Crosswicks-Hamilton Square Road	3
P2.05W	Turnpike PEW over Cedar Lane (CR 659), Conrail, and NJ Transit "River Line"	4
P3.41	Florence-Columbus Road over Turnpike PWE/PEW	4
<u>Maintenance District 4 - 2 Bridges</u>		
63.32	Turnpike Mainline over Assunpink Creek	1
72.11R	Prospect Plains Road (CR 614) over Turnpike Mainline and SA 8AS Ramps SOSA/SISA	3
<u>Maintenance District 5 - 6 Bridges</u>		
78.18	Church Lane over Turnpike Mainline	4
80.45R	Main Street-Milltown Road (CR 606) over Turnpike Mainline	4
83.53	Turnpike Int. 9 Ramp NT over Lawrence Brook	3
87.27S	Turnpike NSO/NSI over Main Street (CR 531)	3
89.15	Grandview Avenue over Turnpike Mainline	6
89.73	Ford Avenue over Turnpike Mainline	6
<u>Maintenance District 6 - 4 Bridges</u>		
90.99A	Turnpike Int. 11 Ramps TSI over Turnpike NSI/SNI/SNO	6
90.99C	Parkway N/S and Ramp 129 NBE over Turnpike Int. 11 Ramp PNT	1
90.99D	Turnpike Int. 11 Ramps TPS/TK over Parkway N/S	4
90.99G	Interchange 11 - Ramp TK over Interchange 11 - Ramp PNK	3

20 Bridges

The above list is subject to change based on changing field conditions and submitted inspection reports.

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
 OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

OPS No. T4070 – Southern Turnpike Structure List
Contract No. T100.744, Bridge Repairs and Resurfacing

Miscellaneous Structural Repair Bridges

<u>Maintenance District 1 - 4 Bridges</u>	<u>Structural Element(s)</u>
5.73	Bearing, Painting, Substructure
21.08	Substructure, Bearings
21.52	Steelwork, Bearings, Substructure
22.81	Steelwork
<u>Maintenance District 2 - 4 Bridges</u>	<u>Structural Element(s)</u>
28.19	Steelwork, Bearings
29.18	Steelwork, Substructure
29.24	Substructure
38.68	Substructure
<u>Maintenance District 3 - 5 Bridges</u>	<u>Structural Element(s)</u>
50.43	Bearings
P3.41	Substructure
53.28B	Bearings, Substructure
56.92	Steelwork, Bearings
57.55	Steelwork, Bearings
<u>Maintenance District 4 - 2 Bridges</u>	<u>Structural Element(s)</u>
63.32	Steelwork, Bearings
64.79R	Steelwork
<u>Maintenance District 5 - 8 Bridges</u>	<u>Structural Element(s)</u>
76.10R	Steelwork, Substructure
79.46SI	Substructure, Bearings
81.66NO	Substructure
83.36	Substructure
83.72	Steelwork, Pin and Hanger
86.59	Steelwork, Bearings, Substructure
88.13AN	Substructure, Bearings
89.73	Bearings
<u>Maintenance District 6 - 5 Bridges</u>	<u>Structural Element(s)</u>
90.10A	Steelwork, Substructure
90.99C	Substructure
90.99D	Steelwork
90.99E	Steelwork
90.99G	Steelwork, Bearings, Substructure

28 Bridges

The above list is subject to change based on changing field conditions and submitted inspection reports.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
 Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and

OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
 Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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Subsection B3**Staffing Estimate****OPS No. T4069****DESIGN SERVICES FOR CONTRACT NO. T100.740, BRIDGE REPAIRS AND RESURFACING,****MILEPOST 92 TO 122 AND THE NEWARK BAY-HUDSON COUNTY EXTENSION (2026)**

Classification (ASCE- Grade)	Phase A	MPT Coord. Report	Phase B	Preliminary MPT	Final MPT	Phase C	Phase D	Shop Dwg. Review	Const. Consult.	Const. Progress Meetings	Total Hours
Project Manager ()											
Senior Engineer											
Engineer ()											
Junior Engineer											
Survey Crews											
Other-Specify ()											
Other-Specify ()											
Total Hours											

Note: The above chart is intended to act as a guide. The Consultant shall modify and expand Classifications and tasks such as Signing and Lighting, Drainage, Utility Relocations, etc. as required to meet project needs.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing,
 Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and

OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing,
 Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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Subsection B3**Staffing Estimate****OPS No. T4070**

**DESIGN SERVICES FOR CONTRACT NO. T100.744, BRIDGE REPAIRS AND RESURFACING,
 MILEPOST 0 TO 92 AND THE PEARL HARBOR MEMORIAL TURNPIKE EXTENSION (2026)**

Classification (ASCE- Grade)	Phase A	MPT Coord. Report	Phase B	Preliminary MPT	Final MPT	Phase C	Phase D	Shop Dwg. Review	Const. Consult.	Const. Progress Meetings	Total Hours
Project Manager ()											
Senior Engineer											
Engineer ()											
Junior Engineer											
Survey Crews											
Other-Specify ()											
Other-Specify ()											
Total Hours											

Note: The above chart is intended to act as a guide. The Consultant shall modify and expand Classifications and tasks such as Signing and Lighting, Drainage, Utility Relocations, etc. as required to meet project needs.

Request for Expressions of Interest

Multi-Project Solicitation

OPS Nos. T3943, Design Services for Contract No. T100.665, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2025); and
OPS No. T3942, Design Services for Contract No. T100.664, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2025)

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Subsection B4 **Qualified and Eligible Firms**

Profile Code A092 and A093

- | | |
|--|--|
| 1. Advantage Engineering Associates, P.C. | 29. LS Engineering Associates Corporation |
| 2. AECOM Technical Services | 30. MAKS Engineers, PC |
| 3. AREA Engineering, Inc. | 31. Malick & Scherer, P.C. |
| 4. Arora and Associates, P.C. | 32. McCormick Taylor, Inc. |
| 5. ATANE Engineers, Architects and Land Surveyors, P.C. | 33. Michael Baker International, Inc. |
| 6. AtkinsRealis USA Inc. | 34. Modjeski & Masters, Inc. |
| 7. Boswell Engineering | 35. Mott MacDonald LLC |
| 8. Bowman Consulting Group LTD | 36. MP Engineers, P.C. |
| 9. Bucharth-Horn, Inc. | 37. NAIK Consulting Group, P.C. |
| 10. CDM Smith Inc. | 38. NAIK Consulting Group, P.C and KS Engineers, P.C. |
| 11. Churchill Consulting Engineers Inc. | 39. Parsons Transportation Group, Inc. |
| 12. COWI North America | 40. Pennoni Associates, Inc. |
| 13. Dewberry Engineers Inc. | 41. PKB Engineering Corporation |
| 14. French & Parrello Associates, P.A. | 42. Remington & Vernick Engineers |
| 15. Gannett Fleming, Inc. | 43. SI Engineering, P.C. |
| 16. Garden State Engineering, Surveying and Planning, Inc. | 44. SJH Engineering, P.C. |
| 17. Greenman-Pedersen, Inc. | 45. Stantec Consulting Services, Inc. |
| 18. Hardesty & Hanover, LLC | 46. STV Incorporated |
| 19. HDR Engineering, Inc. | 47. T&M Associates |
| 20. IH Engineers, P.C. | 48. T.Y. Lin International |
| 21. INFOTRAN Engineers, PC | 49. Taylor, Wiseman & Taylor |
| 22. Infra Tech Engineering, LLC | 50. Techno Consult, Inc. |
| 23. Jacobs Engineering Group Inc. | 51. Tectonic Engineering Consultants, Geologists & Land Surveyors D.P.C. |
| 24. Johnson, Mirmiran & Thompson, Inc. | 52. Traffic Planning and Design, Inc. |
| 25. KC Engineering and Land Surveying, P.C. | 53. TranSystems Corporation |
| 26. Kimley-Horn and Associates, Inc. | 54. Urban Engineers, Inc. |
| 27. KS Engineers, P.C. | 55. Van Cleef Engineering Associates, LLC |
| 28. LiRo Engineers, Inc. | 56. WSP USA Inc. |

ATTACHMENT C

Standard Supplemental Information and Forms

Subsection No. and Title

- C1. Administrative Information
- C2. Mandatory Employment Opportunity Language, *N.J.S.A. 10:5-31 et seq. (P.L.1975, c.127) and N.J.A.C. 17:27 et seq.*
- C3. State Consultant Political Contributions, *N.J.S.A. 19:44A-20.13 to 20.25 (P.L. 2005, c.51), N.J.S.A. 19:44-20.26 (P.L. 2005, c.271s.2), P.L. 2023, c.30 (The Elections Transparency Act) and Executive Order 333 (2023 Murphy)*
- C4. Right to Audit
- C5. Antidiscrimination Provisions
- C6. Standards Prohibiting Conflicts of Interest Executive Order 189 (1988 - Kean)
- C7. ADA Indemnification Act
- C8. Diane B. Allen Equal Pay Act
- C9. Warranty by Contractor of No Solicitation on Commission or Contingent Fee Basis, *N.J.S.A. 52:34-15 (P.L. 1954, c48, s.10)*
- C10. Prompt Payment Act, *N.J.S.A. 2A:30A*
- C11. Code of Ethical Standards
- C12. Small Business Enterprise and Disabled Veteran Owned Business Programs
- C13. Standard Supplement Forms to be Submitted
 - (a) Affidavit of Eligibility/Disclosure of Material Litigation
 - (b) Small Business Enterprise/Disabled Veteran Owned Business
 - (c) Disclosure of Investment Activities in Iran* *N.J.S.A. 52:32-58*
 - (d) Prohibited Activities in Russia or Belarus
 - (e) Source Disclosure Form
 - (f) Ownership Disclosure
 - (g) Business Registration Act***
 - (h) Set-Off for State Sales Tax
 - (i) Affidavit of Moral Integrity form
 - (j) Disclosure of Outstanding Work
 - (k) Recent Authority Project Experience

Subsection C1
Administrative and Agreement Information

Professional Corporation

Incorporated Firms that have not filed a copy of a Certificate of Authorization, with the Authority must include a copy of the Certificate with the EOI. Professional service corporations established pursuant to the "Professional Service Corporation Act," N.J.S.A. 14A:17-1 et seq. (P.L. 1969, c. 232), 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 Firm in the preparation of their Expression of Interest or Fee Proposal.

Addendum to EOI Solicitations

If, at any time prior to the Authority receiving responses to this RFEOI, it becomes necessary to revise any part of this RFEOI, or if additional information is necessary to enable firms to adequately interpret the provisions of this RFEOI, an addendum to the RFEOI will be made available on the Authority's web-site, www.njta.com, as described herein.

Acceptance and Rejection of EOIs and Fee Proposals

Any award of this OPS will be made in accordance with N.J.A.C.19:9-2.8. The issuance of this RFEOI soliciting Expressions of Interest and Fee Proposals does not, in any manner or form, commit the Authority to award any OPS. The contents of the RFEOI, EOI, and a final negotiated Fee Proposal may become a contractual obligation, if an EOI submitted in response to the RFEOI 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 obligations of its response to the RFEOI, including its EOI, may result in rescission of any OPS awarded by the Authority. The Authority shall not be obligated at any time to award any OPS. The Authority reserves the right to accept or reject any or all proposals or to negotiate with any proposer, to waive minor noncompliance, amend or supplement the RFEOI, re-advertise the RFEOI, or abandon a procurement, and/or take such other steps deemed necessary and in the best interest of the Authority, in accordance with applicable law.

Errors or Omissions in RFEOI

It is the firm's responsibility to bring to the attention of the Authority during the RFEOI any errors, omissions, or non-compliance discovered in the RFEOI. By neglecting to do so, the firm will be responsible to make any resulting changes without additional compensation if awarded the OPS.

Dissemination of Information

Information included in this RFEOI or in any way associated with this project is intended for use only by the firms submitting an EOI 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 any firm, except in replying to this RFEOI solicitation.

News Releases

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

Public Records

This RFEOI, and any response to the RFEOI, including an EOI and Fee Proposal submitted by a firm in response to the RFEOI, shall constitute a public document subject to disclosure in accordance with New Jersey's Open Public Records Act, N.J.S.A. 47:1A-1 et seq. (OPRA). Any firm responding to the RFEOI may request that the Authority's Director of Law deem certain information contained in its response to be personal, financial, or proprietary information that is exempt from disclosure under OPRA.

The Authority reserves the right to make the determination regarding what is proprietary or confidential and will advise the winning bidder/proposer accordingly. The Authority will not honor any attempt by a winning bidder/proposer to designate its entire proposal as proprietary or confidential and will not honor a claim of copyright protection for an entire proposal. In the event of any challenge to the winning bidder's/proposer's assertion of confidentiality with which the Authority does not concur, the bidder /proposer shall be solely responsible for defending its designation.

Subsection C2
Mandatory Equal Employment Opportunity Language
N.J.S.A. 10:5-31 et seq. (P.L.1975, c.127)
N.J.A.C. 17:27 et seq.

Goods, General Services, and Professional Services Contracts

The consultant or subconsultant, 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 consultant 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, affection-al 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, up-grading, 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 consultant 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 consultant or subconsultant, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the consultant, 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 consultant or subconsultant 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 consultant's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The consultant or subconsultant, 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 consultant or subconsultant 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 consultant or subconsultant 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, col-or, 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 consultant or subconsultant 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 consultant or subconsultant 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

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The consultant 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; or

Employee Information Report Form AA-302 (electronically provided by the Division and distributed to the public agency through the Division's website at: http://www.state.nj.us/treasury/contract_compliance).

The consultant and its subconsultants shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be request-ed 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 Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq.

Subsection C3

State Consultant Political Contributions Compliance

***N.J.S.A. 19:44A-20.25 (P.L. 2005, c.51) superseding Executive Order 134 (2004),
The Elections Transparency Act," P.L. 2023, c.30,
and Executive Order 333 (2023 Murphy)***

Election Transparency Act, P.L. 2023, c. 30; Fair and Open Exception

In accordance with the Elections Transparency Act, P.L. 2023, c. 30 (the "Act"), effective January 1, 2023, all contracts awarded by the Authority pursuant to a fair and open process as defined in the Act are no longer subject to the political contributions proscription that prohibited a contract award if certain reportable contributions were solicited or made by a potential contract awardee. The Authority has determined that this procurement meets the requirements of a fair and open process and, accordingly, any such solicited or reportable contributions made by any proposer submitting a proposal will not prohibit any contract award thereto if such proposer is deemed the successful proposer.

Annual Report of Contributions to the Election Law Enforcement Commission

All Business entities are advised of their responsibility to file an annual disclosure statement of political contributions with the New Jersey Election Law Enforcement Commission (ELEC) pursuant to N.J.S.A. 19:44A-20.27 if they receive contracts in excess of \$50,000.00 from public entities in a calendar year. Business entities are responsible for determining if filing is necessary. Additional information on this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us

Breach of Terms of Government Contract

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 Act, (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 of any candidate or holder of the public office of Governor or Lieutenant Governor; (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 Act; (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 Act; 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 Act.

Subsection C4
Right to Audit

Pursuant to N.J.A.C. 17:44-2.2, the New Jersey Office of the State Comptroller (OSC) has the authority to audit or review contract records, as follows:

- a. Relevant records of private vendors or other persons entering into contracts with covered entities, including the Authority, are subject to review by the OSC pursuant to N.J.S.A. 52:15C-14(d).
- b. Any Consultant awarded a contract shall maintain all documentation related to products, transactions or services under this contract for a period of five (5) years from the date of final payment. Such records shall be made available to the OSC upon request.

Subsection C5
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 consultant, nor any person acting on behalf of such consultant or subconsultant, 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 consultant, subconsultant, 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 consultant 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 attachment of the contract occurring after notice to the consultant from the contracting public agency of any prior violation of this attachment of the contract.

Subsection C6
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.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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- 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, Qualified 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.

Subsection C7

ADA Indemnification Act

The provisions of Title II of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. §12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereunto, shall be a part of any OPS awarded under pursuant to this RFEI. In providing any aid, benefit, or service on behalf of the Authority pursuant to any such 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 any OPS awarded pursuant to this RFEI, 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 that 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 any contract awarded pursuant to this RFEI 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 attachment. 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 that may arise out of their performance of any OPS awarded pursuant to this RFEI. 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 any OPS awarded pursuant to this RFEI, nor shall it 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 any OPS awarded pursuant to this RFEI or otherwise at law.

Subsection C8
Diane B. Allen Equal Pay Act

Pursuant to N.J.S.A. 34:11-56.1 et seq. (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 consultant 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>

Subsection C9
Warranty by Contractor of No Solicitation on Commission or Contingent Fee Basis
N.J.S.A. 52:34-15 (P.L. 1954, c. 48, § 10)

Every contract or agreement negotiated, awarded or made pursuant to N.J.S.A. 52:34-15 shall contain a suitable warranty by the contractor that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by the contractor for the purpose of securing business, for the breach or violation of which warranty the State shall have the right to annul such contract without liability or in its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

Subsection C10
Prompt Payment Act
N.J.S.A. 2A:30A

Pursuant to the New Jersey Prompt Payment Act, N.J.S.A. 2A:30A-1 et seq., payment to the Successful Qualified Firm under any contract awarded pursuant to this RFEI shall be processed and paid as follows:

1. All consultant bills shall be deemed approved and certified for payment 20 days after the receipt unless before the end of the 20-day period a written statement of the amount withheld and the reason for withholding payment is provided.
2. If the billing is approved, the bill shall be paid in the Authority's subsequent payment cycle.

Subsection C11
Code of Ethical Standards

The Authority 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 State of New Jersey website at <https://www.state.nj.us/ethics/docs/ethics/uniformcode.pdf>. By submitting an Expression of Interest and Fee Proposals, the Successful Firm will be subject to the intent and purpose of said the Code and to the requirements of the State Ethics Commission.

Subsection C12
Small Business Enterprise and Disabled Veteran-Owned Business Programs

Small Business Enterprise 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 and 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 seeks participation of these SBEs in the performance of certain Orders for Professional Services (OPS). At the time of submission of its **Expression of Interest/Technical Proposal**, the firm must include either (1) evidence of the use subconsultants who are registered with the Division as an SBE and whose collective participation in performance of subconsultant services meets or exceeds the goal of at least twenty-five percent (25%) of the total value of any OPS awarded pursuant to this **RFEOI/RFP**, or (2) demonstration of a good faith effort to meet the goal of awarding at least twenty-five percent (25%) of the total value of the OPS to subconsultants who are registered with the Division as an SBE.

During this procurement, as part of the fee negotiation process, firms must submit proof of their subconsultants' SBE registration(s). In the event that, prior to the time of award, a firm has not demonstrated to the Authority's satisfaction, that good faith effort was made to accomplish the above stated goal, the Authority is precluded from awarding the firm the OPS in accordance with N.J.A.C. 17:13-4.2.

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. 17:13-1.1 et seq., the selected firm (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 a Consultant, at any time during the course of an OPS, and for any reason, intends to make any additions, deletions, or substitutions of the SBE subconsultants listed on the SBE/DVOB Utilization 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.

A firm submitting a proposal shall take the following action, in accordance with N.J.A.C. 17:13-4.3, in establishing a "good faith effort" to solicit and award subconsultant contracts to eligible SBEs:

1. Firm shall attempt to locate qualified potential SBE subconsultants.
2. Firm shall request a listing of small businesses from the Division and the Authority, if none are known to the firm submitting a proposal.
3. Firm shall keep specific records of its efforts, including the names of businesses contacted and the means and results of such contacts, including receipts from certified mail and telephone records.
4. Firm shall provide all potential SBE subconsultants with detailed information regarding the solicitation, project description and specifications, including proof of advertisements in general circulation media, professional service publications and minority and women focus media.

5. Firm shall attempt, wherever possible, to negotiate lower prices with potential SBE subconsultants that submit higher than acceptable fee estimates.
6. Firm shall provide evidence of efforts made to identify work categories capable of being performed by SBEs; and
7. Firm shall provide evidence of 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.

The Successful Qualified Firm shall maintain adequate records to document its efforts and shall provide same to the Authority upon request.

Disabled Veteran Owned Business Enterprise Program

It is the policy of the New Jersey Turnpike Authority ("Authority") that Disabled Veteran Owned Business Enterprises (DVOBs), as determined and defined by the Division of Revenue and Enterprise Services ("Division") and the Department of Treasury ("Treasury") in N.J.A.C. 17:14-1.1, have the opportunity to compete for and participate in the performance of consultant services. The Authority seeks participation of these DVOBs in the performance of certain Orders for Professional Services (OPS). The firm's **Expression of Interest/Technical Proposal** must include either (1) evidence of the use of subconsultants who are registered with the Division as a DVOB, and whose collective participation in performance of subconsultant services meets or exceeds the goal of at least three per cent (3%) of the total value of any OPS awarded pursuant to this **RFEI/RFP** or (2) demonstration of a good faith effort to meet the goal of awarding at least three per cent (3%) of the total value of the OPS to subconsultants who are registered with the Division as a DVOB.

During the **Expression of Interest/Technical Proposal** portion of this procurement, as part of the fee negotiation process, firms must submit proof of their subconsultants DVOB registrations. In the event that, prior to the time of award, a firm has not demonstrated, to the Authority's satisfaction, that a good faith effort was made to accomplish the above stated goal, the Authority is precluded from awarding the firm the OPS in accordance with N.J.A.C. 17:14-4.2.

After award of the OPS, in order for the Authority to monitor and report DVOB participation during the course of the OPS pursuant to N.J.A.C. 17:14-1 et seq., the selected firm (the "Consultant") shall submit evidence of DVOB participation in a form acceptable to the Authority, with each invoice for payment. Invoices for payment submitted without the completed DVOB Form will not be processed.

If a Consultant, at any time during the course of an OPS, and for any reason, intends to make any additions, deletions, or substitutions of the DVOB subconsultants listed on the SBE/DVOB Utilization 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.

A firm submitting a proposal shall take the following action, in accordance with N.J.A.C. 17:14-4.3, in establishing a "good faith effort" to solicit and award subconsultant contracts to eligible DVOBs:

1. Firm shall attempt to locate qualified potential DVOBs.
2. Firm shall consult the DVOB Database if no DVOBs are known to the firm.
3. Firm shall keep all documentation of its efforts, including the names of businesses contacted and the means and results of such contacts; and
4. Firm shall provide all potential subconsultants with detailed information regarding the specifications.

The Successful Qualified Firm shall maintain adequate records to document its efforts and shall provide same to the Authority upon request.

Subsection C13
Forms Required to be Submitted

Qualified Firms shall submit the following completed, executed forms at the time of submission of their Expression of Interest. The following forms are available at www.njta.com under *Doing Business, Engineering Professional Services, PS Supplemental Forms*.

a. Affidavit of Eligibility/Disclosure of Material Litigation

A completed Affidavit of Eligibility/Disclosure of Material Litigation form for review by the Authority's legal counsel shall be submitted by firms at the time of submission of their Expression of Interest for each firm, each member of a joint venture and all subconsultants. Each firm, each member of a joint venture and all subconsultants shall certify that it is not suspended, disbarred, or disqualified from bidding on any state or federal contracts. Furthermore, no litigation shall be pending or brought against the firm that could materially affect its ability to perform the OPS described herein. Each 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.

b. Small Business Enterprise/Disabled Veteran Owned Business

Firms shall submit a Small Business Enterprise/Disabled Veteran Owned Business (SBE/DVOB) Utilization form at the time of submission of their Technical and Fee Proposals in accordance with the Authority's SBE/DVOB Programs.

c. Disclosure of Investment Activities in Iran, N.J.S.A. 52:32-58

A State agency shall require a person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract to certify, prior to the time a contract is awarded and at the time the contract is renewed, that the person or entity is not identified 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).

The Department of Treasury's Chapter 25 list is found on the State of New Jersey, Department of Treasury, Division of Purchase and Property website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Proposers must review this list prior to completing the certification. If the Authority finds a person or entity to be in violation of the law, such person or entity shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

*Note: While the Authority acknowledges that, pursuant to N.J.S.A. 52:32-58 et seq. this certification is required prior to award of any contract, the Authority requests that Qualified Firms complete and submit the form entitled "Disclosure of Investment Activities in Iran" at the time of submission of their Expression of Interest.

d. Prohibited Activities in Russia or Belarus

N.J.S.A. 52:32-60.1 et seq. (P.L. 2022, C.3) (the "Act") states that prior to contract award, the awardee must certify that neither the awardee, nor any of its parents, subsidiaries, or affiliates, have engaged in prohibited activities in Russia or Belarus. However, the enforceability of N.J.S.A. 52:32-60.1 et seq. was challenged in the United States District Court for the District of New Jersey. On December 22, 2023, a company obtained a permanent injunction from the United States District Court, which enjoined the State from enforcing N.J.S.A. 52:32-60.1 on the ground that it would conflict with the existing federal sanctions regime and the United States Constitution's Supremacy Clause.

N.J.S.A. 52:32-60.4 provides that the Act “shall not apply in circumstances when its application would violate federal law.” Accordingly, to enforce the Act in a manner consistent with the District Court’s decision and federal law, New Jersey deems its list of persons and entities engaging in prohibited activities in Russia or Belarus to consist of all persons and entities appearing on the list of Specially Designated Nationals and Blocked Persons promulgated by the United States Department of Treasury, Office of Foreign Assets Control (OFAC), on account of activity relating to Russia or Belarus. A searchable database of OFAC-listed persons and entities is available here:

<https://sanctionssearch.ofac.treas.gov/>.

Consistent with the District Court’s decision, the New Jersey Turnpike Authority has revised its *Certification of Non-Involvement In Prohibited Activities in Russia or Belarus* form. Accordingly, prior to entering into any Agreement(s) hereunder, Successful Proposer(s) shall be required to complete and submit to the Authority the revised *Certification of Non-Involvement In Prohibited Activities in Russia or Belarus* form.

e. 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:

- i. The location by country where the services under contract will be performed.
- ii. 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).

f. Ownership Disclosure

Pursuant to N.J.S.A. 52:25-24.2, prior to the receipt of the proposal or accompanying the proposal, every corporation or partnership or limited liability company submitting a proposal shall submit a statement setting forth the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. If one or more such stockholder or partner or member is itself a corporation or partnership or limited liability company, the stockholders holding 10 percent or more of that corporation’s stock, or the individual partners owning 10 percent or greater interest in that partnership, or the members owning 10 percent or greater interest in that limited liability company, as the case may be, shall also be listed. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established in this act, has been listed.

To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10 percent or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10 percent or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest

Each Qualified Firm shall submit a completed Ownership Disclosure form with the Technical and Fee Proposals.

g. Business Registration Act***

Proof of valid business registration with the State of New Jersey Department of the Treasury, Division of Revenue and Enterprise Services, shall be submitted by the Successful Qualified Firm prior to award of any OPS pursuant to this **RFEI/RFP** in the form of a valid Business Registration Certificate (BRC) in compliance with N.J.S.A. 52:32-44, as amended. No OPS shall be awarded without proof of business registration with the Division of Revenue and Enterprise Services. Proposers who are registered can go to https://www1.state.nj.us/TYTR_BRC/jsp/BRCLoginJsp.jsp to obtain a copy of their BRC. If a Proposer is not registered, it can obtain information for registering its business with the New Jersey Division of Revenue by visiting the following link: <https://www.state.nj.us/treasury/revenue/busregcert.shtml>. Questions regarding this requirement should be referred to the Division of Revenue hotline @ 609-292- 9292.

A business organization that fails to provide a copy of a business registration as required pursuant to N.J.S.A. 52:32-44 et seq. or that provides false information of business registration, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

*****Note:** While the Authority acknowledges that, pursuant to N.J.S.A. 52:32-44 et seq., a BRC is required prior to award of any contract, the Authority requests that Qualified Firms submit their BRCs at the time of submission of their **Expression of Interest/Technical Proposal**.

h. Set-Off for State Sales Tax

Pursuant to P.L. 1995, c. 159, effective January 1, 1996 and codified at N.J.S.A. 59:49-19 and N.J.S.A. 59:49-20, and notwithstanding any provision of 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 and services or construction projects, at the same time a taxpayer, 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 of that indebtedness. The amount set off shall not allow for the deduction of any expenses or other deductions that might be attributable to the taxpayer, partner or shareholder subject to set-off.

The Division of Taxation may initiate procedures to set off the tax debt of a specific vendor upon the expiration of ninety (90) days after either the issuance by the Division of a notice and demand for payment of any state tax owed by the taxpayer or the issuance by the Division of a final determination on any protest filed by the taxpayer against an assessment or final audit determination. A set-off reduces the contract payment due to a vendor by the amount of that vendor's state tax indebtedness or, in the case of a vendor-partnership or vendor-S corporation, by the amount of state tax indebtedness of any member-partner or shareholder of the partnership or S corporation, respectively. N.J.A.C. 18:2-8.3.

The Director of the Division of Taxation shall give notice of the set-off to the taxpayer, partner or shareholder and shall provide an opportunity for a hearing within thirty (30) days of such notice under the procedures for protests established under N.J.S.A. 54:49-18. No requests for conference, protest, or subsequent appeal to the Tax Court from any protest permitted under N.J.S.A. 59:49-19 shall stay the collection of the indebtedness. Interest that may be payable by the State to the taxpayer, pursuant to L.1987, c. 184 (N.J.S.A. 52:32-35), shall be stayed.

Request for Expressions of Interest

Multi-Project Solicitation

OPS No. T4069, Design Services for Contract No. T100.740, Bridge Repairs and Resurfacing, Milepost 92 to 122 and the Newark Bay-Hudson County Extension (2026), and
OPS No. T4070, Design Services for Contract No. T100.744, Bridge Repairs and Resurfacing, Milepost 0 to 92 and the Pearl Harbor Memorial Turnpike Extension (2026)

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Qualified Firms are requested to complete and submit a State Tax Set-Off form.

i. Affidavit of Moral Integrity

Qualified Firms shall complete, sign, and submit a notarized Affidavit of Moral Integrity form together with submission of their Expression of Interest.

j. Disclosure of Outstanding Work

Qualified Firms shall complete and submit the Disclosure Forms for the prime and all subconsultants indicating outstanding work with the Authority with their Expression of Interest.

k. Recent Project Experience

Qualified Firms shall complete and submit with their EOI, a Recent Project Experience form for the prime Qualified Firm and for each subconsultant.

l. Commitment of Proposed Project Staff

Qualified Firms shall complete and submit with their EOI, a Commitment of Proposed Project Staff form stating the percentage of time each member, including subconsultant staff, is available to commit to this assignment.

m. Certification of Staff Availability

Qualified Firms shall complete and submit with their EOI, a Certification of Staff Availability form wherein the Qualified Firm shall certify that the staff proposed in its EOI will be used in the performance of the project.

ATTACHMENT D

**N.J.A.C. 19:9-2.8 Procedures for Prequalification and Award of Contracts for
Architectural, Engineering and Land Surveying Services**

(a) This section shall apply to contracts for architectural, engineering, and land surveying services that are not subject to N.J.A.C. 19:9-2.2(d), 2.3, or 2.5. The Authority may choose to apply this section to contracts below the public bidding threshold as set forth in N.J.S.A. 27:23-6.1.b in its sole discretion. The Authority may use procurement processes other than those prescribed in this section if those processes have been approved by the Federal government or other State statute, rule, or executive order, or if an emergency has been declared by the Executive Director. Where a procurement involves the proposed use of Federal funds, and Federal law, regulations, or guidelines require a procurement procedure other than those prescribed in this section, the Authority shall follow the Federal procedures. All procedures provided for herein that are consistent with Federal requirements shall be followed.

(b) The following words and terms, when used in this section, shall have the following meanings, unless the context clearly indicates otherwise.

"Complex projects" means projects other than "simple projects," and includes most projects involving transportation, planning or complex design, or any project having an estimated fee over \$ 2,000,000.

"Director" means either the Chief Engineer, Director of Operations, or Director of Maintenance, depending on whether the contract emanates from the Engineering Department, Operations Department, or the Maintenance Department.

"EOI" means an expression of interest from firms interested in performing professional architectural, engineering and land surveying services for the Authority.

"Firm" means any individual, firm, partnership, corporation, association, joint venture or other legal entity permitted by law to provide professional architectural, engineering or land surveying services in this State.

"Professional architectural, engineering, and land surveying services" means those services, including, but not limited to, planning, design, environmental, and construction inspection services required for the development and construction of projects, within the scope of the practice of architecture, professional engineering, or professional land surveying as defined by the laws of this State or those services performed by an architect, professional engineer, or professional land surveyor in connection with his or her professional employment practice, and which are subject to N.J.S.A. 52:34-9.1 et seq.

"Review committee" means the committee assigned to review a contract for professional architectural, engineering and land surveying services, which shall include at least three persons designated by the Director and approved by the Executive Director.

"Simple projects" means projects or other engineering services where the scope can be clearly defined and is not likely to change during the course of the project where the estimated fee is \$ 2,000,000 or less. Simple projects include, but are not limited to, bridge inspection projects, supervision of construction projects and highway and bridge design projects with an estimated fee of \$ 2,000,000 or less.

"Technical Review Committee" means the committee assigned to review a contract for professional architectural, engineering, and land surveying services, which shall include at least three persons designated by the Director and approved by the Executive Director.

(c) Professional services prequalification requirements shall be as follows:

1. A firm interested in a contract for professional architectural, engineering, or land surveying services shall complete and file a "Professional Service Prequalification Questionnaire" ("PSPQ") with the Authority. Firms qualified for a particular type of project based on the Authority's evaluation of the PSPQs will be eligible for consideration when such projects are being contracted for by the Authority without having to present their qualifications on a project-specific basis.
2. For the procurement of general consultants, rather than a project-specific procurement, the procedures relating to prequalification of firms may be modified to address the needs and requirements of the Authority.
3. Each firm shall identify on the PSPQ each type of work for which the firm desires prequalification. All PSPQs shall contain the following information:
 - i. Current and past projects undertaken by the firm;
 - ii. The nature of services provided on each project;
 - iii. The qualifications of the professionals employed by the firm; and
 - iv. Other information which the Authority may determine necessary to assess the firm's qualifications.
4. A firm shall notify the Authority in writing of any substantial change in the information on its PSPQ when such change occurs. A firm shall have a current PSPQ on file with the Authority on the date of the EOI submittal in order to be considered for a project. For purposes of this section, a current PSPQ is one which has been on file with the Authority for no more than 24 months.

(d) Expression of interest (EOI) solicitation and/or advertisement shall be as follows:

1. A Request for EOIs (RFEOI) shall be advertised in an appropriate newspaper or journal, having a large circulation in the State and/or advertised on the Authority's website, www.nj.gov/turnpike, or through other electronic means. Such advertisements shall be published not less than seven calendar days preceding the date upon which the EOIs are to be received. The RFEOI shall identify the scope of services required from the prequalified firms and the evaluation process to be used for the project. When the Authority seeks to engage more than one firm through a single RFEOI, the number of firms that the Authority intends to engage shall be identified in the RFEOI.
2. When general consultant services are needed, the Authority shall establish a list of criteria that firms must meet in order to be sent an RFEOI for the general consultant contract. Firms that meet such criteria shall be sent an RFEOI.

(e) Evaluation of EOIs shall be as follows:

1. Upon receipt of the EOIs, the Authority shall review the EOIs for completeness and shall reject those EOIs which are incomplete. The Authority shall notify all firms whose EOIs are determined to be incomplete in writing. For all projects, if fewer than three EOIs are deemed complete, the EOI solicitation may be rewritten and/or re-solicited, or the procurement may continue with fewer than three firms, as determined by the Executive Director, in consultation with the Director.
2. For simple projects, the technical evaluation process shall consist of the evaluation of EOIs in accordance with the procedures set forth in this section.
3. For complex projects, the evaluation of EOIs shall serve as a method by which to create a list of firms that shall receive the requests for proposals (RFP) for the project. If only three or four EOIs have been deemed complete by the Authority, these firms shall receive the RFP and the Technical Review Committee will not conduct an evaluation of the EOIs as set forth below. If more than four EOIs have been deemed complete, the EOIs shall be submitted to the Technical Review Committee for review as set forth in (e)4 below.

4. The EOIs shall be ranked by the Technical Review Committee on the basis of numerical scores resulting from weighted rating factors. These factors will be weighted in proportion to their relative importance on a project-by-project basis. The relative weight attributed to each rating factor for a particular project and the ranking methodology shall be set forth in the RFEOI. In ranking the EOIs, the Technical Review Committee may consider criteria contained in the RFEOI, including, but not limited to:

- i. Experience of the firm on similar projects;
- ii. Experience of the Project Manager or Resident Engineer on similar projects;
- iii. Key personnel's qualifications and relevant experience;
- iv. Understanding of the project and the Authority's needs;
- v. Approach to the project;
- vi. Commitment and ability to perform the proposed work and outstanding work with the Authority;
- vii. Commitment to quality management;
- viii. Attainment of Small Business Enterprise goals; and
- ix. Any other factors specified in the Authority's EOI solicitation.

5. For simple projects, once the Technical Review Committee has ranked the EOIs, it shall require the top three or more technically ranked firms, which number of firms shall be at the discretion of the Director, to provide their proposed fees in a separate envelope. The firms shall not be told of their ranking position at this time. The selection process shall continue in the manner described in (g) below. If a particular simple project warrants, the Director may elect to issue an RFP and the selection process shall proceed in accordance with the process for complex projects.

6. For complex projects, after the evaluation and ranking of the EOIs, no fewer than the top three ranked firms shall receive an RFP. All firms that are not to receive the RFP shall be notified.

7. When the Authority is seeking to engage more than one firm through a single solicitation of EOIs, following the Technical Review Committee's evaluation of the EOIs, it shall prepare a list of a sufficient number of technically qualified firms to enable the Authority to engage the number of firms identified in the RFEOI. If the Technical Review Committee is unable to prepare a list of technically qualified firms in a sufficient number to negotiate with and engage the number of firms identified in the RFEOI, the Authority shall reduce the number of firms it is seeking to engage through the EOI, and/or reissue the RFEOI in whole or in part. The Technical Review Committee shall negotiate with firms in the same manner as described in (g) below.

(f) Requests for Proposals (RFPs) shall be evaluated as follows:

1. Responses to the RFP shall be comprised of the technical proposal and fee proposal. The firms receiving the RFP shall be directed to submit a detailed fee proposal in a separate sealed envelope at the time of submission of the technical proposal.
2. The Technical Review Committee shall evaluate the technical proposals submitted to the Authority. The Technical Review Committee shall rank the technical proposals on the basis of numerical scores using the rating criteria specified in the RFP. The relative weight attributed to each rating factor and the methodology for ranking firms shall be set forth in the RFP.
3. The Technical Review Committee may require an interview and/or presentation by the firms with the highest ranked proposals. The Director, in his or her discretion, may waive this requirement for a particular project. Subsequent to the interview and/or presentation, the Technical Review Committee shall revisit its technical ranking of the firms, re-score as appropriate and shall thereupon recommend the highest ranked firms to the Director, or the Executive Director if the Director was a member of the Technical Review Committee.

(g) Cost negotiation and final selection shall be as follows:

1. For all projects, upon reviewing the Technical Review Committee's recommendation, the Director or the Executive Director shall either concur with the selections or direct the Technical Review Committee to pursue additional evaluation measures, consistent with the EOI solicitation or RFP, which shall be specified in writing by the Director or the Executive Director.
2. Once the selections are approved, the selected firms' fee proposals will be reviewed by the Technical Review Committee. The Executive Director may add one or more persons to the Technical Review Committee to assist in the negotiation process. Using all fee proposals and the engineer's estimate as a guideline, the Technical Review Committee shall negotiate a fair and reasonable fee with the highest technically ranked firm, taking into consideration all relevant factors, including, but not limited to, the estimated value of the services to be rendered and the scope, complexity, and professional nature thereof. If the Technical Review Committee is unable to negotiate a fair and reasonable fee with the highest technically ranked firm, it shall formally terminate negotiations and undertake negotiations with the second highest technically ranked firm. Failing accord with the second highest technically ranked firm, the Technical Review Committee shall formally terminate negotiations and undertake negotiations with the third highest technically ranked firm. If the Technical Review Committee is unable to negotiate successfully with any of the three highest technically ranked firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with the procedure set forth herein until an agreement is reached. The Executive Director, upon consultation with the Director, may direct the Technical Review Committee to re-solicit the contract. Once a final fee is agreed upon, the Technical Review Committee shall make its recommendation to the Director.
3. The Technical Review Committee in consultation with the Director shall prepare a written report outlining its recommendations and activities in reviewing, negotiating, and selecting the recommended firm. The Director shall submit the Technical Review Committee's report to the Executive Director.
4. If the Executive Director concurs with the recommendation, the Executive Director shall recommend to the Board, in writing, that the firm be issued an Order for Professional Service.
5. If the Executive Director is not satisfied with the recommendation, he or she may:
 - i. Instruct the Technical Review Committee to submit further support for its recommendation;
 - ii. Direct the Technical Review Committee to re-negotiate the fee; or
 - iii. Instruct the Director to re-solicit the contract.