



## 2019 ENGINEERING CONSULTANT CONTRACT PROCESS

### Introduction

The MTA continues to engage consultants to perform engineering related services to accomplish the goals and objectives of the Authority's Mission and those of The General Turnpike Revenue Bond Resolution (Bond Resolution) adopted by the Maine Turnpike Authority on April 18, 1991, as amended and supplemented. The need for engineering contracts are evaluated periodically and are based on the most recent 4-year plan. MTA staff is proposing to advertise for competitive selection in 2019 for all new work assigned after January 1, 2020.

The MTA has the following active Engineering Consultant Contracts for General Engineering Consultant (GEC), Toll Services, Bridge and Highway, Construction Inspection (CI) and/or Materials Testing (MT).

**Table 1. Existing GEC, Toll Services, Bridge and Highway, Construction Inspection and Materials Testing Services Contracts**

Contract Number	Consultant	Type of Service	Contract Value	Expiration Date
2013.101	Stantec	Toll Services	\$5,500,000	12/31/2021
2014.101a	Jacobs	Toll Services	\$5,500,000	12/31/2022
2014.101b	HNTB	Toll Services	\$3,500,000	12/31/2021
2014.103	HNTB	GEC	\$7,950,000	12/31/2019
2014.104a	WSP	Construction Inspection	\$7,500,000	12/31/2022
2014.104b	HNTB	Construction Inspection	\$11,500,000	12/31/2022
2014.104c	S.W. Cole	CI and MT	\$2,500,000	12/31/2020
2014.104d	R. W. Gillespie	Materials Testing	\$400,000	12/31/2019
2014.104e	Cardno ATC	Materials Testing	\$200,000	12/31/2019
2014.104f	Kleinfelder	Construction Inspection	\$4,500,000	12/31/2021
2015.101a	HNTB	Bridge and Highway	\$16,600,000	12/31/2022
2015.101b	VHB	Bridge and Highway	\$4,500,000	12/31/2020
2015.101c	Stantec	Bridge and Highway	\$2,000,000	12/31/2020
2015.101d	T.Y. Lin	Bridge and Highway	\$2,000,000	12/31/2020
2016.101	Greenman-Pedersen, Inc	CI and MT	\$1,000,000	12/31/2019
		<b>Total =</b>	<b>\$75,150,000</b>	



### **Recommendation for 2019 Process**

As the above contracts are nearing their expiration date or contract values are being used up by current and ongoing projects, the competitive, qualification-based selection process to select Consultants to fulfill the roles required for GEC, Toll Services, Bridge and Highway and Construction Inspection and Materials Testing Services contracts, is as follows:

#### **Toll Services**

In 2014, the MTA went through a process to prequalify 11 Consultants in Toll Services and in order to award new contracts, the list of prequalified consultants needs to be reviewed and updated. In 2019 a Request for Qualifications from Consultants interested in becoming prequalified by the MTA to perform Toll Services will be issued. The future General Engineering Consultant (GEC) selection process will require that Consultants being considered for the GEC be prequalified by the MTA for Toll Services, among other requirements. Therefore, prequalification for Toll Services needs to occur first, although selection for Toll Services contracts may be made at a later date. It is expected that only a few Toll Services contracts will be awarded, while all Consultants who demonstrate ability to perform toll services will be prequalified. MTA relies heavily on work MaineDOT has already done to prequalify engineering consultants through a competitive selection process, however, MaineDOT does not prequalify engineering consultants in Toll Services. Therefore, Consultants who were prequalified in 2014 will be solicited for prequalification in 2019 and any other Consultant who believes they have can provide professional Toll Services may submit their qualifications and their proposals will be reviewed along with those Consultant proposals that were solicited.

The 11 Consultants prequalified by MTA in Toll Services in 2014 are:

- AECOM Technical Services, Inc.
- Atkins North America, Inc.
- CDM Smith
- HDR Engineering, Inc.
- HNTB Corporation
- IBI Group
- Jacobs Engineering Group, Inc.
- The Louis Berger Group, Inc. (Announced recently will merge with WSP USA Inc.)
- Parsons
- Stantec Consulting Services, Inc.
- WSP USA Inc. (formerly Parsons Brinkerhoff, Inc.)



### General Engineering Consultant (GEC)

The General Engineering Consultant (GEC) shall be a single independent engineer or consulting firm having a nationwide and favorable reputation for skill and experience in such work. Many of the tasks assigned to the GEC are defined by the Bond Resolution. Other tasks are important for the GEC to develop and maintain a level of knowledge of the condition of the physical facilities and operations of the Maine Turnpike. Therefore, the MTA staff has determined that the Consultants who are most likely to be qualified and capable to perform the duties required must meet the following criteria:

- Currently prequalified by MaineDOT in the following service areas: Bridge Design (203.00), Highway Design (202.10), Bridge Inspection, Non-Construction (602.30) and Traffic Data Collection (210.20) and;
- Prequalified in 2019 by MTA for Toll Services

For informational purposes, Consultants who were prequalified for Toll Services in 2014 and are currently prequalified by MaineDOT in Bridge Design (203.00), Highway Design (202.10), Bridge Inspection, Non-Construction (602.30) and Traffic Data Collection (210.20) are:

- AECOM Technical Services, Inc.
- HDR Engineering, Inc.
- HNTB Corporation
- The Louis Berger Group, Inc. (Announced recently will merge with WSP USA Inc.)
- Parsons
- Stantec Consulting Services, Inc.
- WSP USA Inc. (formerly Parsons Brinkerhoff, Inc.)

Following the 2019 Toll Services Prequalification Process, Consultants meeting the above criteria and will be solicited for Statements of Qualifications. All other Statements received may be rejected. Consultants will be evaluated on their ability to:

- Perform an inspection once per year of the Turnpike and submit a report of findings on or before October 20th. Said report of findings shall include an opinion as to whether the Turnpike has been maintained in good repair; their advice and recommendations for repair and maintenance and operation for the ensuing fiscal year; and estimate the amount of money necessary for such purposes.
- Recommend the amount of insurance to be carried under the provisions of Section 807 of the Bond Resolution.
- Recommend the amount that should be deposited into the Reserve Maintenance Fund during the ensuing year.



- Review all Authority construction projects at substantial completion and approve any request for partial release of retainage and approve all final payments for Authority construction contracts.
- Review and assist in the establishment of toll rate structures.
- Participate in general long term planning and revenue forecasting in support of the Authority's 10-yr and 30-yr plans, including providing the 4-year construction project lists for planning purposes.
- Perform engineering design services including, but not limited to: bridge repair and rehabilitation projects, mainline and interchange paving, new interchange or corridor studies, other ancillary highway or facility design or studies and interchange or intersection improvement projects; and
- Provide Bridge and Highway Construction Inspection Services

Through this rigorous selection process, the successful candidate will have demonstrated their ability to perform Toll Services, Bridge and Highway Design Services and Construction Inspection Services, and as a result may be awarded a Contract in all services without having to submit a separate RFQ for Bridge and Highway Design Services, or Construction Inspection Services.

Likewise, if MTA staff has determined any of the remaining Consultants have also demonstrated their ability in Toll Services, Bridge and Highway Design Services or Construction Inspection Services, the MTA may award a contract in any or all of those services as well, without the Consultants having to submit a separate RFQ Bridge and Highway Design Services, or Construction Inspection Services. Such selections maximize the efficiency of both the Authority and Consultant resources.

#### Bridge and Highway Design Services

Bridge and Highway Design Services shall be continued to be fulfilled with multiple on-call service contracts and project specific contracts with multiple qualified engineering Consultants. These Consultants will be expected to be proficient in many disciplines such as planning, engineering, right of way and environmental services and have talented and professional staff that can successfully support MTA staff in the construction of projects such as roadway reconstruction, bituminous overlays, bridge construction and rehabilitations, service plaza and interchange construction and rehabilitations. Therefore, MTA staff has determined that the Consultants who are most likely to be qualified and capable to perform the duties required must meet the following criteria:

- Currently have a General Consultant Agreement with MaineDOT in service area of Bridge Design (203.00), and
- Currently prequalified by MaineDOT in the service area of Highway Design (202.10)

January 17, 2019



In addition to the Consultants solicited to submit for the General Engineering Consultant, the following 9 Consultants meet the above criteria and will be solicited to for Statements of Qualifications. All other Statements received may be rejected.

- CHA Consulting, Inc.
- Erdman Anthony and Associates, Inc.
- Fuss & O'Neill, Inc.
- Hoyle, Tanner & Associates, Inc.
- Kleinfelder Northeast, Inc.
- McFarland-Johnson, Inc.
- T.Y. Lin International
- TranSystems Corporation
- Vanasse Hangen Brustlin, Inc. (VHB)

#### Additional Construction Inspection, Material Testing Services and other Engineering Services

As additional Construction Inspection staffing is needed, MTA will continue to review prospective candidates for Resident Engineers and other inspection staff from MaineDOT prequalified firms and firms with existing MTA contracts. Other specific needs will be solicited as needed, such as Right of Way, Geotechnical and Highway Maintenance Building Design Services. At a minimum, firms who have existing contracts with the MTA or are prequalified by MaineDOT in the respective service area, will be solicited.

#### Proposed Schedule (subject to modifications by the Authority as needed):

- Authority: Send out solicitations for Request for Qualifications for Toll, GEC, Bridge and Highway Design and Construction Inspection Services by March 1, 2019. All Request for Qualifications will also be posted on the MTA website.
- Consultants: Statements of Qualifications for Toll Services due by April 1, 2019.
- Authority: List of Consultants Prequalified for Toll Services posted by May 1, 2019.
- Consultants: Statements of Qualifications for General Engineering Consultant due by June 1, 2019.
- Authority: General Engineering Consultant Contract awarded by July 30, 2019 with a contract start date of January 1, 2020.
- Consultants: Statements of Qualifications for Bridge and Highway Design Services due by July 1, 2019.
- Authority: Bridge and Highway Design contracts awarded by October 31, 2019 with contract start dates of January 1, 2020.
- Construction Inspection Services statements reviewed and contracts awarded on an as needed basis.

Safe | Reliable | Sustainable