

SUMMARY STATEMENT

ITEM NO.: DRPA-17-067

SUBJECT: Construction Monitoring Services for Contract No. BF-49-2017, Benjamin Franklin Bridge Main Cable Dehumidification

COMMITTEE:

Operations and Maintenance

COMMITTEE MEETING DATE:

September 12, 2017

BOARD ACTION DATE:

September 20, 2017

PROPOSAL: That the Board authorizes staff to negotiate an agreement with AECOM Technical Services Inc. to provide Construction Monitoring Services for Contract No. BF-49-2017, Benjamin Franklin Bridge Main Cable Dehumidification.

Amount: \$2,065,269.76

Consultant: AECOM Technical Services Inc.
625 W. Ridge Pike
Conshohocken, PA 19428

Other Consultants: Greenman-Pedersen, Inc.
Johnson, Mirmiran & Thompson, Inc.
Remington & Vernick Engineers
WSP USA, Inc.

Engineers Estimate: \$3,142,292.00

MBE/WBE Goals: MBE/WBE Combined: 15%

Consultant Proposed

MBE/WBE Commitments: MBE: 20.8%

WBE: 1.7%

PURPOSE:

To provide full-time, on-site construction inspection and monitoring services for Contract No. BF-49-2017, Benjamin Franklin Bridge Main Cable Dehumidification. The services will include a peer review and constructability review of the design documents as well as full-time Resident Engineer and support inspection staff for inspecting all contract field activities and monitoring the contractor's compliance with the plans and specifications.

BACKGROUND: The work to be completed under Contract No. BF-49-2017 consists of dehumidification of the main cable of the Benjamin Franklin Bridge.

The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Five (5) firms responded with Statements of Qualifications on May 18, 2017. Five (5) firms were deemed qualified and were sent a formal Request for Proposal. A review committee of four (4) staff engineers evaluated the Proposals on the basis of Technical merit.

AECOM Technical Services Inc. was the highest technically ranked firm. The proposed Project staff have direct experience providing Construction Monitoring Services on main cable dehumidification projects. The project Manager, Resident Engineer and support staff have exhibited the required experience and knowledge to provide a peer review, constructability review and construction monitoring services on this project. Proposed subconsultants complement AECOM team.

In accordance with the Delaware River Port Authority's qualification based selection procedure, the Price Proposal was evaluated against the Engineer's Estimate and that of other recommended firms. Based on this evaluation and subsequent negotiation, AECOM's price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be negotiated with AECOM Technical Services Inc. for the costs and associated fees not to exceed \$2,065,269.76 to provide engineering services in accordance with the Request for Proposal.

SUMMARY:	Amount:	\$2,065,269.76
	Source of Funds:	2013 Revenue Bonds
	Capital Project #:	BF1901
	Operating Budget:	N/A
	Master Plan Status:	N/A
	Other Fund Sources:	N/A
	Duration of Contract:	990 Calendar Days
	Other Parties Involved:	N/A
	Estimated Number of Jobs Supported:	8

DRPA-17-067
Operations and Maintenance Committee: September 12, 2017
Board Date: September 20, 2017
Construction Monitoring Services for
Contract No. BF-49-2017, Benjamin Franklin Bridge
Main Cable Dehumidification

RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of AECOM Technical Services Inc. to provide Construction Monitoring Services for Contract No. BF-49-2017, Benjamin Franklin Bridge Main Cable Dehumidification and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with AECOM Technical Services Inc. for an amount not to exceed \$2,065,269.76, as per the attached Summary Statement; and be it further

RESOLVED: The Chairman, Vice Chairman and the Chief Executive Officer must approve and are hereby authorized to approve and execute all necessary agreements, contracts, or other documents on behalf of the DRPA. If such agreements, contracts, or other documents have been approved by the Chairman, Vice Chairman and Chief Executive Officer and if thereafter either the Chairman or Vice Chairman is absent or unavailable, the remaining Officer may execute the said document(s) on behalf of DRPA along with the Chief Executive Officer. If both the Chairman and Vice Chairman are absent or unavailable, and if it is necessary to execute the said document(s) while they are absent or unavailable, then the Chief Executive Officer shall execute such documents on behalf of DRPA.

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MEMORANDUM

DELAWARE RIVER PORT AUTHORITY
of Pennsylvania & New Jersey

TO: O&M Committee Members
FROM: Michael P. Venuto, Chief Engineer
SUBJECT: Professional Service Selection for
Construction Monitoring Services for DRPA Contract No. BF-49-2017
Benjamin Franklin Bridge Main Cable Dehumidification
Technical Proposal Evaluation, Findings and Recommendation Report
DATE: August 25, 2017

The Request for Qualifications (RFQs), which was posted on the Authority's web-site, invited consultants to submit Statements of Qualifications (SOQs). Five (5) firms submitted SOQs on May 18, 2017.

Policy 303a outlines the procedure for Request for Proposal selection of consultants by the Engineering Department. The SOQ evaluation serves as a method for developing a "short list" of firms to receive a Request for Proposal (RFP). The Review Committee evaluated the SOQ's and recommended soliciting Technical and sealed Price Proposals from the top ranked firms:

AECOM Technical Services, Inc.
Greenman-Pedersen, Inc.
Johnson, Mirmiran & Thompson, Inc.
Remington & Vernick Engineers
WSP USA, Inc.

The short listed firms were sent a RFP on June 26, 2017. The Technical Proposals and separate sealed Price Proposals were received on July 20, 2017 from AECOM Technical Services, Inc., Greenman-Pedersen, Inc., Johnson, Mirmiran & Thompson, Inc., Remington & Vernick Engineers & WSP USA, Inc. The Review Committee, consisting of four (4) staff engineers, reviewed and evaluated the Technical Proposals.

AECOM Technical Services, Inc. was the highest technically ranked firm. AECOM proposal demonstrated design and construction monitoring experience on main cable dehumidification projects in UK and USA that includes Chesapeake Bay Bridges and Delaware Memorial Twin Bridges. The proposed Project staff have direct experience providing Construction Monitoring Services on main cable dehumidification projects. AECOM is thoroughly familiar with the Authorities infrastructure conducting Biennial Inspections and design projects including replacement of the award winning Walt Whitman Bridge deck replacement project. The project Manager, Resident Engineer and support staff have exhibited the required experience and knowledge to provide construction monitoring services on this project. The proposed peer review

team from AECOM's United Kingdom office have extensive experience main cable dehumidification system design. Proposed subconsultants complement AECOM team.

The Review Committee recommended that the Price Proposal be opened and negotiations commence using other recommended firm's Price Proposals and the Engineer's Estimate in the amount of \$3,142,292.00, as a guide. Price Proposals were opened on July 31, 2017.

Below are the Technical Proposal rankings, proposed hours and fees of these firms, along with the Engineer's estimate of hours.

Rank	Firm	Hours	Original Price Proposal	Negotiated	
				Hours	Fee
	Engineer's Estimate	24,160	\$3,142,292.00		
1	AECOM	16,692	\$2,065,269.76	16,692	\$2,065,269.76
2	GPI	37,315	\$6,124,551.74	37,315	
3	JMT	20,865	\$2,710,397.11	20,865	
4	R&V	20,988	\$2,621,197.17	20,988	
5	WSP	20,240	\$3,015,926.41	20,240	

The Price Proposal from the highest technically ranked firm, AECOM, dated July 20, 2017 was reviewed by Engineering Department staff. It was observed to be 29% lower than the Engineer's Estimate. The Price Proposal reflected the actual staff required to complete the project. AECOM completed their proposal based upon recent project experience. Negotiations commenced which resulted in no change in the proposed price. Based on the Review Committee's findings the Price Proposal of AECOM has been determined to be fair and reasonable and therefore the committee recommends that an Engineering Services Agreement be issued to the highest technically ranked firm, AECOM Technical Services, Inc.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage AECOM Technical Services, Inc. of Conshocken, PA, in the amount of \$2,065,269.76 for this Agreement.

:arj