

## **SUMMARY STATEMENT**

**ITEM NO.: DRPA-17-104**

**SUBJECT: Professional Services for 2018  
Biennial Inspection of the Benjamin  
Franklin Bridge**

**COMMITTEE:**

**Operations and Maintenance**

**COMMITTEE MEETING DATE:**

**November 28, 2017**

**BOARD ACTION DATE:**

**December 6, 2017**

**PROPOSAL:** That the Board authorizes staff to negotiate an agreement with Modjeski and Masters, Inc. to provide engineering services required to perform the 2018 Biennial Inspection of the Benjamin Franklin Bridge.

**Amount:** \$1,097,000.00

**Consultant:** Modjeski and Masters, Inc.  
100 Sterling Parkway  
Suite 302  
Mechanicsburg, PA 17050

**Other Consultants:** AECOM Technical Services  
Ammann & Whitney

**Engineers Estimate:** \$1,120,000.00

**MBE/WBE Goals:** MBE %: 8%  
WBE %: 4%

**Consultant Proposed Goals**  
MBE %: 9.7%  
DBE %: 5.5%

**PURPOSE:** To provide consulting engineering services for the 2018 Biennial Inspection of the Benjamin Franklin Bridge.

**BACKGROUND:** Under the Delaware River Port Authority's (DRPA) Bond Indentures dated 1995, 1998 and 1999, the DRPA is obligated to inspect all DRPA facilities every second calendar year; the Indenture further states that an inspection report be submitted on or before October 1 of every second calendar year. In the past years, the Commissioners have authorized payment from the Revenue Fund for services rendered. The most recent biennial inspection of the Benjamin Franklin Bridge

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facility occurred in the summer of 2016. In order to satisfy the Authority's Bond Indenture and in order to assist in developing a plan for maintaining this facility, it is necessary to perform this biennial inspection of the Benjamin Franklin Bridge.

The work would include close visual "hands on" inspection of all bridge components and systems, preparation of a 2018 Biennial Inspection Report for the Benjamin Franklin Bridge and completion of Structure Inventory and Appraisal forms and Bridge Management forms as required by the Commonwealth of Pennsylvania and State of New Jersey, respectively.

This cycle includes the development of a DRPA ratings manual and a major re-rating of the bridge. This work was last done in 1992 under the biennial inspection.

The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Ten (10) firms responded with Statements of Qualifications on Thursday, March 23, 2017. Three (3) 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.

Modjeski and Masters, Inc. was the highest technically ranked firm. The proposed Project Manager has previous experience with major bridge inspection projects and has been responsive on other projects for the Authority. Modjeski and Masters, Inc.'s Inspection Team has many years' experience inspecting bridges similar to those required for this contract. Overall, the team assembled by Modjeski and Masters, Inc. was found to possess the necessary experience and qualifications to successfully complete the project.

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, Modjeski and Masters, Inc.'s price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be

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**negotiated with Modjeski and Masters, Inc. for the costs and associated fees not to exceed \$1,097,000.00 to provide engineering services in accordance with the Request for Proposal.**

<b>SUMMARY:</b>	<b>Amount:</b>	<b>\$ 1,097,000.00</b>
	<b>Source of Funds:</b>	<b>Revenue Fund</b>
	<b>Capital Project #:</b>	<b>N/A</b>
	<b>Operating Budget:</b>	<b>N/A</b>
	<b>Master Plan Status:</b>	<b>N/A</b>
	<b>Other Fund Sources:</b>	<b>N/A</b>
	<b>Duration of Contract:</b>	<b>12 Months</b>
	<b>Other Parties Involved:</b>	<b>N/A</b>
	<b>Estimated Number of Jobs Supported:</b>	<b>4</b>

**DRPA-17-104**  
**Operations and Maintenance Committee: November 28, 2017**  
**Board Date: December 6, 2017**  
**Professional Services for 2018 Biennial**  
**Inspection of the Benjamin Franklin Bridge**

**RESOLUTION**

**RESOLVED:** That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Modjeski and Masters, Inc. to provide Professional Services for 2018 Biennial Inspection of the Benjamin Franklin Bridge and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Modjeski and Masters, Inc. for an amount not to exceed \$1,097,000.00 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.

<b>SUMMARY:</b>	<b>Amount:</b>	<b>\$ 1,097,000.00</b>
	<b>Source of Funds:</b>	<b>Revenue Fund</b>
	<b>Capital Project #:</b>	<b>N/A</b>
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	<b>Duration of Contract:</b>	<b>12 Months</b>
	<b>Other Parties Involved:</b>	<b>N/A</b>
	<b>Estimated Number of</b>	
	<b>Jobs Supported:</b>	<b>4</b>



## **MEMORANDUM**

### **DELAWARE RIVER PORT AUTHORITY**

*of Pennsylvania & New Jersey*

**TO:** O&M Committee Members

**FROM:** Michael P. Venuto, Chief Engineer

**SUBJECT:** Professional Services for 2018 Biennial Inspection of the Benjamin Franklin Bridge  
Technical Proposal Evaluation, Findings and Recommendation Report

**DATE:** November 17, 2017

The Request for Qualifications (RFQs), which was posted on the Authority's web-site, invited consultants to submit Statements of Qualifications (SOQs). Ten (10) firms submitted SOQs on March 23, 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: Modjeski and Masters, Inc., AECOM Technical Services, and Ammann & Whitney.

The short listed firms were sent a RFP. The Technical Proposals and separate sealed Price Proposals were received on September 28, 2017 from all the firms. The Review Committee, consisting of four (4) staff engineers, reviewed and evaluated the Technical Proposals.

Modjeski and Masters, Inc. was the highest technically ranked firm. The proposed Project Manager has previous experience with major bridge inspection projects and has been responsive on past DRPA projects. Overall, the team assembled by Modjeski and Masters, Inc. was found to possess the necessary experience and qualifications to successfully complete the project.

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 \$1,120,000.00 as a guide. Price Proposals were opened on October 27, 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	7500	\$1,120,000.00		
1	Modjeski & Masters, Inc.	9132	\$1,242,000.00	7833	\$1,097,000.00
2	Ammann & Whitney	6700	\$1,260,000.00		
3	AECOM	6535	\$1,082,000.00		

The Price Proposal from the three recommended firms were opened and the Price Proposal from, Modjeski & Masters, Inc. dated September 28, 2017 was reviewed by Engineering Department staff. It was observed to be 11% higher than the Engineer's Estimate. Negotiations commenced and the negotiated Price Proposal was \$1,097,000.00. Based on the Review Committee's findings the Price Proposal submitted by Modjeski & Masters, Inc., Inc. 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, Modjeski & Masters, Inc.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage Modjeski & Masters, Inc. of Mechanicsburg, PA, in the amount of \$1,097,000.00 for this Agreement.

EM:sn