

SUMMARY STATEMENT

ITEM NO.: DRPA-17-049

SUBJECT: Design Services for Benjamin Franklin Bridge Deck Resurfacing

COMMITTEE:

Operations & Maintenance

COMMITTEE MEETING DATE:

July 11, 2017

BOARD ACTION DATE:

July 19, 2017

PROPOSAL: That the Board authorizes staff to negotiate an agreement with Parsons Transportation Group to provide Design, Bidding and Award, and Construction Support Services for the Benjamin Franklin Bridge Deck Resurfacing.

Amount: \$1,798,300.00

Consultant: Parsons Transportation Group

Other Consultants: Ammann & Whitney Consulting Engineers
Johnson, Mirmiran & Thompson, Inc.
Thornton Tomasetti, Inc.

Engineers Estimate: \$1,771,000.00

PURPOSE: To provide engineering design services required to resurface the Benjamin Franklin Bridge. This work will include, but is not limited to assessing the condition of the existing pavement system and developing repair/replacement recommendations.

BACKGROUND: Several pavement repair projects have been completed on the BFB in recent years to address deficiencies observed on the existing asphalt pavement. Typical deficiencies observed on the approach pavement include cracks, potholes, rutting, shoving, and de-bonding of the asphalt material. This project will address design activities required to develop a comprehensive bid package for the resurfacing the orthotropic bridge deck, rehabilitating bridge expansion joints, and rehabilitation of all pavements on the Philadelphia and Camden approaches and toll plaza

The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Four (4) firms responded with Statements of Qualifications on November 3,

2015. All four (4) firms were deemed qualified and were sent a formal Request for Proposal. A review committee of three (3) staff engineers evaluated the Proposals on the basis of Technical merit.

Parsons Transportation Group was the highest technically ranked firm. Parsons' proposal presented numerous major bridge rehabilitation projects involving suspension bridges with orthotropic steel decks. The proposed Project Manager has 38 years' design experience deck replacement and resurfacing projects for long span suspension bridges. Overall, the team assembled by Parsons Transportation Group 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, Parsons Transportation Group's price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be negotiated with Parsons Transportation Group for the costs and associated fees not to exceed \$1,798,300.00 to provide engineering services in accordance with the Request for Proposal.

SUMMARY:	Amount:	\$1,798,300.00
	Source of Funds:	2013 Revenue Bonds (Series D) and General Funds
	Capital Project #:	BF1602
	Operating Budget:	N/A
	Master Plan Status:	N/A
	Other Fund Sources:	N/A
	Duration of Contract:	Design Services, 12 months; Bidding and Award and Construction Support Services, approximately 24 months from issuance of Contractor Notice to Proceed
	Other Parties Involved:	N/A
	Estimated Number of Jobs Supported:	6

RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Parsons Transportation Group to provide Design Services for the Benjamin Franklin Bridge Deck Resurfacing and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Parsons Transportation Group for an amount not to exceed \$1,798,300.00, 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.

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	Other Fund Sources:	N/A
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	Estimated Number of Jobs Supported:	6



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
Design Services for Benjamin Franklin Bridge Deck Resurfacing
Technical Proposal Evaluation, Findings and Recommendation Report
DATE: July 11, 2017

The Request for Qualifications (RFQs), which was posted on the Authority's web-site, invited consultants to submit Statements of Qualifications (SOQs). Four (4) firms submitted SOQs on November 3, 2015.

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:

Ammann & Whitney Consulting Engineers, PC
Johnson, Mirmiran & Thompson, Inc.
Parsons Transportation Group
Thornton Tomasetti, Inc.

The short listed firms were sent a RFP on October 31, 2016. The Technical Proposals and separate sealed Price Proposals were received on December 8, 2016 from Ammann & Whitney Consulting Engineers, PC; Johnson, Mirmiran & Thompson, Inc.; Parsons Transportation Group; and Thornton Tomasetti, Inc. The Review Committee, consisting of three (3) staff engineers, reviewed and evaluated the Technical Proposals.

Parsons Transportation Group was the highest technically ranked firm. Parsons' proposal demonstrated an understanding of the project and experience with long span and complex bridges. Parsons' proposal presented numerous major bridge rehabilitation projects involving suspension bridges with orthotropic steel decks. The proposed Project Manager has 38 years' experience providing engineering and design services for long span suspension bridges. Overall, the team assembled by Parsons Transportation Group 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 \$1,771,00.00, as a guide. Price Proposals were opened on March 13, 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	10,660	\$1,771,000.00		
1	Parsons	12,565	\$1,798,259.45	12,675	\$1,798,259.45
2	Thornton Tomasetti	9,432	\$1,582,142.00		
3	A&W	3,178	\$599,946.00		
4	JMT	16,724	\$2,035,082.63		

The Price Proposal from the highest technically ranked firm, Parsons Transportation Group, dated December 8, 2016 was reviewed by Engineering Department staff. It was observed to be 1.5% higher than the Engineer's Estimate. Meetings were held with Parsons to discuss the scope of work and review their manhour estimate. Based on the Review Committee's findings the Price Proposal of \$1,798,259.45 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, Parsons Transportation Group.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage Parsons Transportation Group of Newark, NJ, in the amount of \$1,798,300.00 for this Agreement.