

SUMMARY STATEMENT

ITEM NO.: DRPA-16-111

SUBJECT: Construction Monitoring Services for Contract No. 14-N PATCO Lindenwold Yard and Viaduct Rehabilitation

COMMITTEE:

Operations & Maintenance

COMMITTEE MEETING DATE:

October 11, 2016

BOARD ACTION DATE:

October 19, 2016

PROPOSAL: That the Board authorizes staff to negotiate an agreement with HNTB Corporation to provide Construction Monitoring Services for the PATCO Lindenwold Yard and Viaduct Rehabilitation Project.

Amount: \$6,293,482.00

Consultant: HNTB Corporation
1650 Arch Street, Suite 1700
Philadelphia, PA 19103

Other Consultants: AECOM Technical Services, Inc.
Michael Baker International
Johnson, Mirmiran & Thompson

Engineers Estimate: \$5,522,956.30

PURPOSE: To provide full-time, on-site construction inspection and monitoring services for DRPA Contract No. 14-N, Lindenwold Yard and Viaduct Rehabilitation. The services will include a 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. 14-N consists of the oversight of removal and replacement of existing track and turnouts; replacement of power, signal, and communication systems; replacement of the direct fixation track system on the bridge over New Jersey Transit; as well as cable replacement on the Pole Line adjacent to Conrail in Camden.

The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. The

Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Six (6) firms responded with Statements of Qualifications on March 3, 2016. Five (5) firms were deemed qualified and were sent a formal Request for Proposal. Four (4) firms responded with Proposals. A fifth firm declined to submit a Proposal. A review committee of staff engineers evaluated the Proposals on the basis of Technical merit.

HNTB Corporation was the highest technically ranked firm. The proposed Project Manager has previous experience with rehabilitation projects and has been very responsive on past DRPA and PATCO track projects. The proposed Project Manager has over 16 years of construction monitoring experience in similar size projects such as the PATCO Track Rehabilitation across the Ben Franklin Bridge, Structural Improvements and Deck Truss Rehabilitation projects on the Ben Franklin Bridge. HNTB's Team has many years of experience of construction oversight on track improvement projects such as PATCO's Interlocking Improvements, 11th Street Interlocking, and the Lindenwold Yard Diamond Rehabilitation. In addition, HNTB was involved in the design for the Yard Improvement project. Overall, the team assembled by HNTB Corporation was found to possess the necessary experience and qualifications to successfully complete the project.

This project involves the use of federal funding through the Federal Transit Administration (FTA). In accordance with the federally approved Brooks method of consultant selection, which is qualifications based, the Price Proposal submitted by HNTB Corporation was opened and evaluated against the Engineer's Estimate. Based on this evaluation, a negotiated price of \$6,293,482.00 was determined to be fair and reasonable.

It is recommended that a construction monitoring services agreement be negotiated with HNTB Corporation for the costs and associated fees not to exceed \$6,293,482.00 to provide construction monitoring services in accordance with the Request for Proposal.

SUMMARY STATEMENT
O&M October 11, 2016

**Construction Monitoring Services for
Lindenwold Yard and Viaduct
Rehabilitation**

SUMMARY:	Amount:	\$6,293,482.00
	Source of Funds:	General Fund, 2013 Revenue Bond 20% (\$1,258,696.50)
	Capital Project #:	PF0705
	Operating Budget:	N/A
	Master Plan Status:	N/A
	Other Fund Sources:	Federal Transit Administration 80% (\$5,034,785.50)
	Duration of Contract:	32 months
	Other Parties Involved:	Federal Transit Administration
	Estimated Number of Jobs Supported:	19

DRPA-16-111
Operations & Maintenance Committee: October 11, 2016
Board Date: October 19, 2016
Construction Monitoring Services for Contract No. 14-N
PATCO Lindenwold Yard and Viaduct Rehabilitation

RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of HNTB Corporation to provide Construction Monitoring Services for Contract No. 14-N, PATCO Lindenwold Yard and Viaduct Rehabilitation Project and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with HNTB Corporation for an amount not to exceed \$6,293,482.00 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.

SUMMARY:	Amount:	\$6,293,482.00
	Source of Funds:	General Fund, 2013 Revenue Bond 20% (\$1,258,696.50)
	Capital Project #:	PF0705
	Operating Budget:	N/A
	Master Plan Status:	N/A
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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 PATCO
Lindenwold Yard and Viaduct Rehabilitation
Technical Proposal Evaluation, Findings and Recommendation Report

DATE: September 22, 2016

The Request for Qualifications (RFQs), which was posted on the Authority's web-site, invited consultants to submit Statements of Qualifications (SOQs). Six (6) firms submitted SOQs on March 3, 2016.

Since this project is partially funded by the Federal Transit Administration the Brooks method of consultant selection was used. 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 Proposals from the top ranked firms:

AECOM Technical Services, Inc.
Michael Baker International
HNTB Corporation
Johnson, Mirmiran, & Thompson
SYSTRA Consulting, Inc.

The short listed firms were sent a RFP on May 19, 2016. The Technical Proposals were received on June 28, 2016 from AECOM Technical Services, Inc., Michael Baker International, HNTB Corporation, and Johnson, Mirmiran, & Thompson. The fifth firm, SYSTRA Consulting, Inc. declined to submit a proposal. The Review Committee, consisting of three (3) staff engineers, reviewed and evaluated the Technical Proposals.

HNTB Corporation was the highest technically ranked firm. The proposed Project Manager has previous experience with rehabilitation projects and has been very responsive on past DRPA and PATCO track projects. The proposed Project Manager has previous experience with rehabilitation projects and has been very responsive on past DRPA and PATCO track projects. The proposed Project Manager has over 16 years of construction monitoring experience in similar size projects such as the PATCO track rehabilitation across the Ben Franklin Bridge, Structural Improvements and Deck Truss Rehabilitation projects on the Ben Franklin Bridge. HNTB's Team has many years of experience of construction oversight on track improvement projects such as PATCO's

Interlocking Improvements, 11th Street Interlocking, and the Lindenwold Yard Diamond Rehabilitation. In addition HNTB was involved in the design for the Yard Improvement project. Overall, the team assembled by HNTB Corporation was found to possess the necessary experience and qualifications to successfully complete the project.

The Review Committee recommended that the Price Proposal be requested from HNTB Corporation and negotiations commence using the Engineer's Estimate in the amount of \$5,500,000.00 as a guide. The Price Proposal was opened on September 16, 2016.

Below are the Technical Proposal rankings, proposed hours and fees of the firm, along with the Engineer's Estimate of hours.

Rank	Firm	Hours	Original Price Proposal	Negotiated Fee
	Engineer's Estimate	34,456	\$5,522,956.30	
1	HNTB Corporation	40,338	\$6,634,729.01	\$6,293,482.00
2	AECOM Technical Services, Inc.	N/A	N/A	
3	Michael Baker Intern'l	N/A	N/A	
4	Johnson, Mirmiran, & Thompson	N/A	N/A	

The Price Proposal from the highest technically ranked firm, HNTB Corporation, dated September 19, 2016 was reviewed by Engineering Department staff. It was observed to be 20% higher than the Engineer's Estimate. Negotiations commenced which resulted in a final Price Proposal in an amount of \$6,293,482.00. Based on the Review Committee's findings, the Price Proposal of HNTB Corporation 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, HNTB Corporation.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage HNTB Corporation of Philadelphia, Pennsylvania, in the amount of \$6,293,482.00 for this Agreement.

MPH:ala