SUMMARY STATEMENT

ITEM NO.: DRPA-18-030  SUBJECT: Design Services for PATCO Lindenwold Fire Protection Sprinkler System

COMMITTEE: Operations & Maintenance

COMMITTEE MEETING DATE: March 6, 2018

BOARD ACTION DATE: March 28, 2018

PROPOSAL: That the Board authorizes staff to negotiate an agreement with Arora Engineers, Inc. to provide Design and Bid Phase Services for the PATCO Lindenwold Fire Protection Sprinkler System.

Amount: $390,000.00

Consultant: Arora Engineers, Inc.

Other Consultants: AECOM Technical Services, Inc.
Remington & Vernick Engineers, Inc.

Engineers Estimate: $333,100.00

MBE/WBE Goals: MBE: 7%  WBE: 3%

Consultant Proposed MBE/WBE Commitments: MBE: 51%  WBE: 5%

PURPOSE: The purpose of this project is to provide design services in connection with the fire protection sprinkler system at PATCO Lindenwold.

BACKGROUND: The scope of work includes preparation of a design services report and a final design package including plans, specifications, cost estimates and a construction schedule with which the Authority may solicit bids from construction contractors to accomplish all tasks.

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 August 3, 2017. Four (4) firms were deemed qualified and were sent a formal Request for Proposal; however, only three (3) firms submitted. A
review committee of four (4) staff engineers evaluated the Proposals on the basis of Technical merit.

Arora Engineers, Inc. was the highest technically ranked firm. The proposed Project Manager has 11 years experience and previously worked on BFB and WWB standpipe investigations (2011) and upgrade of Grand Central's existing fire standpipe system. Arora Engineers, Inc.’s Team has many years experience with rail and fire protection experience similar to those required for this contract. Overall, the team assembled by Arora Engineers, 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, Arora Engineers, Inc.’s price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be negotiated with Arora Engineers, Inc. for the costs and associated fees not to exceed $390,000.00 to provide engineering services in accordance with the Request for Proposal.

SUMMARY:
Amount: $390,000.00
Source of Funds: General Fund
Capital Project #: PTD.11612
Operating Budget: N/A
Master Plan Status: N/A
Other Fund Sources: N/A
Duration of Contract: Design and Bid Phase Services, 6 months
Other Parties Involved: N/A
Estimated Number of Jobs Supported: 2
RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Arora Engineers, Inc. to provide Design Services for PATCO Lindenwold Fire Protection Sprinkler System and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Arora Engineers, Inc. for an amount not to exceed $390,000.00 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.

SUMMARY:

<table>
<thead>
<tr>
<th>Amount</th>
<th>$390,000.00</th>
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<tbody>
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MEMORANDUM

DELAWARE RIVER PORT AUTHORITY
of Pennsylvania & New Jersey

TO: O&M Committee Members
FROM: Michael P. Venuto, Chief Engineer
DATE: February 26, 2018

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 August 3, 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., Arora Engineers, Inc., Burns Engineering, Inc., and Remington & Vernick Engineers, Inc.

The short listed firms were sent a RFP on October 13, 2017. The Technical Proposals and separate sealed Price Proposals were received on November 16, 2017 from AECOM Technical Services, Inc., Arora Engineers, Inc., and Remington & Vernick Engineers, Inc. The Review Committee, consisting of four (4) staff engineers, reviewed and evaluated the Technical Proposals.

Arora Engineers, Inc. was the highest technically ranked firm. The proposed Project Manager has 11 years experience and previously worked on BFB and WWB standpipe investigations (2011) and upgrade of Grand Central's existing fire standpipe system. Arora Engineers, Inc.’s Team has many years experience with rail and fire protection experience similar to those required for this contract. Overall, the team assembled by Arora Engineers, 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 $333,100.00 as a guide. Price Proposals were opened on January 9, 2018.

Below are the Technical Proposal rankings, proposed hours and fees of these firms, along with the Engineer’s estimate of hours.
<table>
<thead>
<tr>
<th>Rank</th>
<th>Firm</th>
<th>Hours</th>
<th>Original Price Proposal</th>
<th>Negotiated Hours</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Arora Engineers, Inc.</td>
<td>3,413</td>
<td>$461,300.00</td>
<td>2,821</td>
<td>$390,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Remington &amp; Vernick Engineers, Inc. *</td>
<td>1,013</td>
<td>$280,400.00</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td>AECOM Technical Services, Inc.</td>
<td>2,214</td>
<td>$356,600.00</td>
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*R&V included their overall sub costs, but not a breakdown of hours. 1,013 hours does not include subs. R&V also had math errors in their cost proposal. They wrote $280,400.00; however, it should be $232,500.00 when the math is checked.

The Price Proposal from the highest technically ranked firm, Arora Engineers, Inc., dated November 16, 2017 was reviewed by Engineering Department staff. It was observed to be 38.49% higher than the Engineer’s Estimate. This was a result of the estimated man-hours being significantly higher than the Engineer’s estimate. Negotiations commenced which resulted in a final Price Proposal in an amount of $390,000.00. Based on the Review Committee’s findings the Price Proposal of Arora Engineers, 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, Arora Engineers, Inc.

Based on a review of the Review Committee’s evaluation and supporting documentation, I concur with the recommendation to engage Arora Engineers, Inc. of Chadds Ford, PA, in the amount of $390,000.00 for this Agreement.