SUMMARY STATEMENT

ITEM NO: DRPA-11-038   SUBJECT: Engineering Design Services for Betsy Ross Bridge Resurfacing

COMMITTEE: Operations and Maintenance

COMMITTEE MEETING DATE: April 6, 2011

BOARD ACTION DATE: May 18, 2011

PROPOSAL: That the Board authorizes staff to negotiate an agreement with Ammann & Whitney to provide Engineering Design Services for the Betsy Ross Bridge Resurfacing project.

Amount: $754,652.87

Consultant: Ammann & Whitney
2300 Chestnut Street
Suite 310
Philadelphia, PA 19103

Other Consultants: 
HNTB Corporation
TranSystems Corporation
STV

Engineers Estimate: $830,000.00

PURPOSE: To provide engineering design services required to develop the most feasible and economical rehabilitation alternatives and final design for the Betsy Ross Bridge deck.

BACKGROUND: Recent Biennial Inspections reported increased deterioration of the original concrete deck, the asphalt overlay system, and the bridge deck joints. The Betsy Ross Bridge deck is approaching 40 years old. The work to be completed includes evaluation of the existing deck and final design.

The Consultant will prepare a preliminary design report that will evaluate various rehabilitation strategies for the project. This report will be used to prepare contract documents with which the Authority will solicit construction bids.

The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Nine (9)
firms responded with Statements of Qualifications on April 22, 2010. Four (4) firms were deemed qualified and were sent a formal Request for Proposal and all responded with Proposals. A review committee of four (4) staff engineers evaluated the Proposals on the basis of Technical merit.

Ammann & Whitney was the highest technically ranked firm. The proposed Project QA/QC Manager has previous experience with rehabilitation projects and has been very responsive on past DRPA projects. The proposed Project Manager has over 20 years experience in similar size highway and bridge projects. Ammann & Whitney’s Inspection Team has many years of experience on bridge and roadway rehabilitation projects. Overall, the team assembled by Ammann & Whitney 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 Ammann & Whitney’s price was determined to be fair and reasonable. It is recommended that an engineering services agreement be negotiated with Ammann & Whitney for the costs and associated fees not to exceed $754,652.87 to provide engineering design services in accordance with the Request for Proposal.

SUMMARY:  
Amount: $754,652.87  
Source of Funds: 2010 Revenue Bonds (Series D)  
Capital Project #: RB1001  
Operating Budget: N/A  
Master Plan Status: N/A  
Other Fund Sources: N/A  
Duration of Contract: Thirty Months  
Other Parties Involved: N/A  
Estimated Number of Jobs Supported: 3
RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Ammann & Whitney to provide Engineering Services for the Betsy Ross Bridge Resurfacing Project and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Ammann & Whitney for an amount not to exceed $754,652.87, 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, Director of Engineering/Chief Engineer, Engineering
DATE: March 18, 2011

The Request for Qualifications (RFQs), which was posted on the Authority’s web-site, invited consultants to submit Statements of Qualifications (SOQs). Nine (9) firms submitted SOQs on April 22, 2010.

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 (AW), HNTB Corporation (HNTB), STV, TranSystems Corporation (TS)

The short listed firms were sent a RFP on October 25, 2010. The Technical Proposals and separate sealed Price Proposals were received on December 2, 2010. The Review Committee, consisting of four staff engineers, reviewed and evaluated the Technical Proposals.

AW was the highest technically ranked firm. The proposed Project QA/QC Manager has previous experience with rehabilitation projects and has been very responsive on past DRPA projects. The proposed Project Manager has over 20 years experience in similar size highway and bridge projects. AW’s Inspection Team has many years of experience on bridge and roadway rehabilitation projects. Overall, the team assembled by AW 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 $830,000.00, as a guide. Price Proposals were opened on February 15, 2011.
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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ammann &amp; Whitney</td>
<td>5,256</td>
<td>$754,652.87</td>
</tr>
<tr>
<td>2</td>
<td>HNTB</td>
<td>13,192</td>
<td>$2,601,888.53</td>
</tr>
<tr>
<td>3</td>
<td>TranSystems</td>
<td>5,191</td>
<td>$989,579.34</td>
</tr>
<tr>
<td></td>
<td>Engineer’s Estimate</td>
<td>5,300</td>
<td>$830,000.00</td>
</tr>
</tbody>
</table>

The Price Proposal from the highest technically ranked firm, AW, dated December 2, 2010 was reviewed by Engineering Department staff. It was observed to be lower than the Engineer’s Estimate. Based on the Review Committee’s findings the Price Proposal of AW 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, AW.

Based on a review of the Review Committee’s evaluation and supporting documentation, I concur with the recommendation to engage Ammann & Whitney of Philadelphia, Pennsylvania in the amount of $754,652.87 for this Agreement.

:ala

cc: J. Viniski, A. Patel, E. Montgomery, Review Committee, Subject File