SUMMARY STATEMENT

ITEM NO. DRPA-15-053
SUBJECT: Construction Monitoring Services for Betsy Ross Bridge & I-95 Interchange Improvements Project

COMMITTEE: Operations and Maintenance

COMMITTEE MEETING DATE: May 6, 2015

BOARD ACTION DATE: May 20, 2015

PROPOSAL: That the Board authorizes staff to negotiate an agreement with URS Corporation to provide Construction Monitoring Services for Betsy Ross Bridge & I-95 Interchange Improvements Project, being conducted by PennDOT

Amount: $502,053.02

Consultant: URS Corporation
8 Penn Center, 21st Floor
1628 John F. Kennedy Blvd,
Philadelphia, PA 19108

Other Consultants:
AECOM Technical Services, Inc.
Buchart Horn, Inc.
Johnson, Mirmiran & Thompson
Remington & Vernick Engineers
STV Incorporated

Engineers Estimate: $526,741.38

PURPOSE: To provide full-time, on-site construction inspection and monitoring services for Betsy Ross Bridge & I-95 Interchange Improvements Project. The services will include a part-time Resident Engineer, Inspection staff and office staff support for all contract field activities and monitoring the Contractor’s compliance with the plans and specifications. All costs will be reimbursed by PennDOT.

BACKGROUND: The work to be completed under Betsy Ross Bridge & I-95 Interchange Improvements Project, consists of performing all the work necessary to provide for the proper construction monitoring and inspection services for Betsy Ross Bridge & I-95 Interchange Improvements Project being conducted by PennDOT. The
Construction Monitor will provide all on-site and off-site project inspection and observation required to certify that all materials and workmanship for this project are completed in conformance with the Contract requirements and industry standards.

The firm shall also provide staff with design and technical expertise to resolve field issues that may impact design. It is DRPA’s expectation that the firm’s staff resolve field issues without delaying construction work.

The Authority publicly advertised its intent to retain a Consultant and invited interested firms to submit Statements of Qualifications. Twelve (12) firms responded with Statements of Qualifications on April 9, 2014. Six (6) 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.

URS 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 projects. The proposed Resident Engineer has over 23 years of experience in relevant highway and bridge projects. URS Corporation’s Inspection Team has many years experience inspecting bridge repairs similar to those required for this Contract. Overall, the team assembled by URS Corporation 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, URS Corporation’s negotiated price was determined to be fair and reasonable.

It is recommended that Construction Monitoring Services agreement be negotiated with URS Corporation for the costs and associated fees not to exceed $502,053.02 to provide Construction Monitoring Services in accordance with the Request for Proposal.
### SUMMARY

**Amount:** $502,053.02  
**Source of Funds:** 2013 Revenue Bonds, to be reimbursed by PennDOT  
**Project #:** RB1501  
**Operating Budget:** N/A  
**Master Plan Status:** N/A  
**Other Fund Sources:** N/A  
**Duration of Contract:** 36 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 URS Corporation to provide Construction Monitoring Services for Betsy Ross Bridge & I-95 Interchange Improvements Project being conducted by PennDOT, and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with URS Corporation for an amount not to exceed $502,053.02 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: $502,035.02
Source of Funds: 2013 Revenue Bonds, to be reimbursed by PennDOT
Capital Project #: RB1501
Operating Budget: N/A
Master Plan Status: N/A
Other Fund Sources: N/A
Duration of Contract: 36 months
Other Parties Involved: N/A
Estimated Number of Jobs Supported: 2
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: January 15, 2015

The Request for Qualifications (RFQs), which was posted on the Authority’s website, invited Consultants to submit Statements of Qualifications (SOQs). Twelve (12) firms submitted SOQs on April 9, 2014.

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.
Buchart Horn Inc
Johnson, Mirmiran, & Thompson
Remington & Vernick Engineers
STV Incorporated
URS Corporation

The short listed firms were sent a RFP on August 29, 2014. The Technical Proposals and separate sealed Price Proposals were received September 25, 2014 from AECOM Technical Services, Inc., Buchart Horn Inc, Johnson, Mirmiran, & Thompson, Remington & Vernick Engineers, STV Incorporated, and URS Corporation. The Review Committee, consisting of three (3) staff engineers, reviewed and evaluated the Technical Proposals. Five (5) firms were recommended and one firm (R&V) not recommended.

URS Corporation was the highest technically ranked firm. The proposed Project Manager, resident engineer and inspection team have previous experience with relevant rehabilitation projects and has been very responsive on past DRPA projects. Overall, the team assembled by URS Corporation 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 $526,741.38 as a guide. Price Proposals were opened on November 3, 2014.

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></td>
<td>Engineer’s Estimate</td>
<td>4302</td>
<td>$944,854.77</td>
<td>4540</td>
<td>$502,053.02</td>
</tr>
<tr>
<td>1</td>
<td>URS Corporation</td>
<td>6062</td>
<td>$944,854.77</td>
<td>4540</td>
<td>$502,053.02</td>
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<td>2</td>
<td>AECOM Technical Services, Inc.</td>
<td>6356</td>
<td>$841,910.71</td>
<td>4540</td>
<td>$502,053.02</td>
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<tr>
<td>3</td>
<td>STV Incorporated</td>
<td>5132</td>
<td>$718,645.53</td>
<td>4540</td>
<td>$502,053.02</td>
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<tr>
<td>4</td>
<td>Johnson, Mirmiran, &amp; Thompson</td>
<td>4800</td>
<td>$550,459.50</td>
<td>4540</td>
<td>$502,053.02</td>
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<tr>
<td>5</td>
<td>Buchart Horn Inc</td>
<td>7080</td>
<td>$1,242,983.45</td>
<td>4540</td>
<td>$502,053.02</td>
</tr>
</tbody>
</table>

The Price Proposal from the highest technically ranked firm, URS Corporation, dated September 25, 2014 was reviewed by Engineering Department staff. It was observed to be 79.3% higher than the Engineer’s Estimate. The difference was due to variation in wage rates, higher estimated hours, and using incorrect overhead rate. Negotiations commenced which resulted in a Final Price Proposal in an amount of $502,035.02.

Based on the Review Committee’s findings, the Price Proposal of URS Corporation has been determined to be fair and reasonable and therefore the committee recommends that Construction Monitoring Services Agreement be issued to the highest technically ranked firm, URS Corporation.

Based on a review of the Review Committee’s evaluation and supporting documentation, I concur with the recommendation to engage URS Corporation of Philadelphia, PA, in the amount of $502,035.02 for this Agreement.

:stp