SUMMARY STATEMENT

ITEM NO.: DRPA-16-001                      SUBJECT: Commodore Barry Bridge
Design Services for Structural Rehabilitation
Phase 2

COMMITTEE: Operations & Maintenance

COMMITTEE MEETING DATE: January 5, 2016

BOARD ACTION DATE: January 20, 2016

PROPOSAL: That the Board authorizes staff to negotiate an agreement with Modjeski and Masters, Inc. to provide Design, Bidding and Award, and Construction Support Services for the Commodore Barry Bridge.

Amount: $1,409,402.54

Consultant: Modjeski and Masters, Inc.
100 Sterling Parkway
Suite 302
Mechanicsburg, PA 17050

Other Consultants: McCormick Taylor, Inc.
TranSystems Corporation
URS Corporation/AECOM
Weidlinger Associates, Inc.
WSP USA Corporations

Engineers Estimate: $1,380,000.00

PURPOSE: The Biennial Inspections and third-party concrete condition assessments conducted on the Commodore Barry Bridge reported ongoing substructure concrete failures and superstructure steel corrosion damage and recommended steel and concrete repairs to the Commodore Barry Bridge. The proposed rehabilitation is to improve and protect the bridge infrastructure. Periodic health monitoring of Electroslag welds and Vibration Absorbers in the main through truss spans are key to the confirming the bridge is performing as intended.

BACKGROUND: The work to be completed under this agreement will include conducting field investigations, structural assessments, modeling, health monitoring and preparing contract specifications and drawings with which the Authority can solicit bids for rehabilitating the substructure and portions of the superstructure of the Commodore Barry Bridge. The work also includes provisions of professional services during the Bidding and Award of the rehabilitation contract, and technical support services during construction, pursuant to the requirements of the Request for Proposal dated December 17, 2014.
The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Eight (8) firms responded with Statements of Qualifications on March 25, 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.

Modjeski and Masters, Inc. was the highest technically ranked firm. The proposed project staff has demonstrated bridge rehabilitation experience working on similar projects for the DRPA and other bridge agencies. Overall, the team assembled by Modjeski and Masters, 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, Modjeski and Masters, Inc.’s price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be negotiated with Modjeski and Masters, Inc. for the costs and associated fees not to exceed $1,409,402.54 to provide engineering services in accordance with the Request for Proposal.

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<tr>
<th>SUMMARY:</th>
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<tbody>
<tr>
<td>Amount:</td>
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<tr>
<td>Source of Funds:</td>
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<tr>
<td>Capital Project #:</td>
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<tr>
<td>Operating Budget:</td>
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<td>Master Plan Status:</td>
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<td>Other Fund Sources:</td>
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<td>Duration of Contract:</td>
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<td>Other Parties Involved:</td>
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<td>Estimated Number of Jobs Supported:</td>
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<td>Other Fund Sources:</td>
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RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Modjeski and Masters, Inc. to provide Design Services for Commodore Barry Bridge Structural Rehabilitation Phase 2 and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Modjeski and Masters, Inc. for an amount not to exceed $1,409,402.54, 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: $1,409,402.54
Source of Funds: General Fund/Subject to Reimbursement from Future Bond Proceeds
Capital Project #: CB1302
Operating Budget: N/A
Master Plan Status: N/A
Other Fund Sources: N/A
Duration of Contract: Design Services, 12 months from issuance of Notice to Proceed; Bidding and Award and Construction Support Services thru 2019
Other Parties Involved: N/A
Estimated Number of Jobs Supported: 5
MEMORANDUM

TO: O&M Committee Members
FROM: Michael P. Venuto, Chief Engineer, Engineering
SUBJECT: Commodore Barry Bridge Design Services for Structural Rehabilitation Phase 2 Technical Proposal Evaluation, Findings and Recommendation Report
DATE: December 14, 2015

The Request for Qualifications (RFQs), which was posted on the Authority’s web-site, invited consultants to submit Statements of Qualifications (SOQs). Eight (8) firms submitted SOQs on March 25, 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:

- McCormick Taylor, Inc.
- Modjeski and Masters, Inc.
- TranSystems Corporation
- URS Corporation/AECOM
- Weidlinger Associates
- WSP USA Corporation

The short listed firms were sent a RFP on December 17, 2014. The Technical Proposals and separate sealed Price Proposals were received on April 24, 2015 from the six (6) firms. The Review Committee, consisting of three (3) staff engineers, reviewed and evaluated the Technical Proposals.

Modjeski and Masters, Inc. was the highest technically ranked firm. The proposed design team has demonstrated bridge rehabilitation experience work on similar projects for the DRPA and other bridge agencies. Overall, the team assembled by Modjeski and Masters, Inc. was found to possess the necessary experience and qualifications to successfully complete the project.

The 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 $1,380,000.00, as a guide. Price Proposals were opened on November 17, 2015.
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>Negotiated Fee</th>
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<tbody>
<tr>
<td></td>
<td>Engineer’s Estimate</td>
<td>8,317</td>
<td>$1,380,00.00</td>
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<tr>
<td>1</td>
<td>Modjeski and Masters, Inc.</td>
<td>10,149</td>
<td>$1,576,974.00</td>
<td>9,332</td>
<td>$1,409,402.54</td>
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<tr>
<td>2</td>
<td>TranSystems Corporation</td>
<td>11,002</td>
<td>$1,592,589.00</td>
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<td>3</td>
<td>URS Corp./AECOM</td>
<td>10,093</td>
<td>$1,505,831.00</td>
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<td>4</td>
<td>WSP USA Corporation</td>
<td>7,262</td>
<td>$1,184,734.00</td>
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<tr>
<td>5</td>
<td>McCormick Taylor, Inc.</td>
<td>12,282</td>
<td>$1,873,279.00</td>
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<tr>
<td>6</td>
<td>Weidlinger Associates</td>
<td>7,516</td>
<td>$1,383,872.00</td>
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Modjeski and Masters, Inc. the top ranked firm’s Price Proposal dated April 24, 2015 was reviewed in detail by Engineering Staff. The revised Price Proposal dated December 9, 2015 in the amount of $1,409,402.54 requiring 9,332 Man-hours effort. Modjeski and Masters, Inc. revised cost is 2% more than the Engineer’s Estimate.

Based on a review of the Review Committee’s evaluation and supporting documentation, I concur with the recommendation to engage Modjeski and Masters, Inc. of Mechanicsburg, PA, in the amount of $1,409,402.54 for this Agreement.