SUMMARY STATEMENT

ITEM NO.                       DRPA-20-057

SUBJECT: Design Services for PATCO ROW Drainage System Improvements

COMMITTEE: Operations & Maintenance

COMMITTEE MEETING DATE: April 7, 2020

BOARD ACTION DATE: April 15, 2020

PROPOSAL: That the Board authorizes staff to negotiate an agreement with Michael Baker International, to provide Design, Bidding and Award, and Construction Support Services for the PATCO ROW Drainage System Improvements.

Amount: $695,300.00

Consultant: Michael Baker International

Other Consultants: ARORA Engineers, Inc.

Engineers Estimate: $721,390.00

MBE/WBE Goals: MBE/WBE: 10% combined

Consultant Proposed MBE/WBE Commitments: MBE: 32.7%

PURPOSE: To provide engineering design services required to develop the most feasible and economical rehabilitation alternatives and final design for PATCO ROW Drainage System Improvements.

BACKGROUND: The Scope of Services the Authority requires includes, but is not limited to, the design services to develop preliminary and final plans, specifications, and cost estimates for the improvements to PATCO ROW Drainage System. This will include all design services required to develop drawings and specifications for performing improvements to the inside of the culverts, headwalls, inlets and outlets, embankments for erosion/soil and water conservation, and upstream & downstream, as well as detailed phasing plans with which the Authority may solicit bids for construction.
The Authority publicly advertised its intent to retain a consultant and invited interested firms to submit Statements of Qualifications. Ten (10) firms responded with Statements of Qualifications. Six (6) firms were deemed qualified and were sent a formal Request for Proposal and Five (5) firms responded with a Technical Proposal. A review committee of Three (3) staff engineers evaluated the Proposals on the basis of Technical merit.

Michael Baker International and their subconsultant were the highest technically ranked firm. The proposed Project Manager has previous experience with culvert inspections and repair design projects for different agencies and have the safety inspection certificate as stated in the RFP. The firm was involved with DRPA drainage pipe inspection and evaluation for the Betsy Ross Bridge, NJ approach, inspection of 195 non-NBIS culverts on NJ Turnpike and Garden State Parkway roadways, inspection and rating of 108 NJDOT culvert, Merion Park drainage and roadway improvements, Ocean City, NJ, and Rt. 208 culver. Overall, the team assembled by Michael Baker International 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, Michael Baker International’s price was determined to be fair and reasonable.

It is recommended that an engineering services agreement be negotiated with Michael Baker International for the costs and associated fees not to exceed $695,300 to provide engineering services in accordance with the Request for Proposal.

SUMMARY:  
Amount: $695,300.00  
Source of Funds: 2018 A Revenue Bonds  
Capital Project #: PTD.01912  
Operating Budget: N/A  
Master Plan Status: N/A  
Other Fund Sources: N/A  
Duration of Contract: Design Services, 10 months; Bidding and Award and Construction Support Services, approximately 18 months from issuance of Contractor Notice to Proceed  
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 Burns Engineering, Incorporated to provide Design Services for PATCO ROW Drainage System Improvements and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Michael Baker International for an amount not to exceed $695,300, 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:       | $695,300.00 |
| Source of Funds: | 2018 A Revenue Bonds |
| Capital Project #: | PTD.01912 |
| Operating Budget: | N/A |
| Master Plan Status: | N/A |
| Other Fund Sources: | N/A |
| Duration of Contract: | Design Services, 10 months; Bidding and Award and Construction Support Services, approximately 18 months from issuance of Contractor Notice to Proceed |
| Other Parties Involved: | N/A |
| Estimated Number of Jobs Supported: | 3 |
The Request for Qualifications (RFQs), which was posted on the Authority’s web-site, invited consultants to submit Statements of Qualifications (SOQs). Ten (10) firms submitted SOQs on February 21, 2019.

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:

IH Engineering, P.C.
Johnson, Mirmiran & Thompson, Inc.
Michael Baker International
Remington & Vernick Engineers, Inc.
TranSystems Corporation

The short listed firms were sent a RFP on November 12, 2019. The Technical Proposals and separate sealed Price Proposals were received on January 16, 2020 from IH Engineering, P.C., Johnson, Mirmiran & Thompson, Inc., Michael Baker International, Remington & Vernick Engineers, Inc. and TranSystems Corporation. The Review Committee, consisting of Three (3) staff engineers, reviewed and evaluated the Technical Proposals.

Michael Baker International and their subconsultant were the highest technically ranked firm. The proposed Project Manager has previous experience with culvert inspections and repair design projects for different agencies and have the safety inspection certificate as stated in the RFP. The firm was involved with DRPA drainage pipe inspection and evaluation for the Betsy Rose Bridge, NJ approach, inspection of 195 non-NBIS culverts on NJ Turnpike and Garden State Parkway roadways, inspection and rating of 108 NJDOT culverts, Merion Park drainage and roadway improvements, Ocean City NJ, and Rt. 208 culvert replacement for Wyckoff Township, Bergen County, NJ. Overall, the team assembled by Michael Baker International 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 $721,390.00, as a guide. Price Proposals were opened on 02/20/2020. 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</th>
<th></th>
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<td></td>
<td>Engineer’s Estimate</td>
<td>4,508</td>
<td>$721,390.00</td>
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<td>1</td>
<td>Michael Baker</td>
<td>5,239</td>
<td>$740,000.00</td>
<td>4,982</td>
<td>$695,300.00</td>
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<td>2</td>
<td>TranSystems</td>
<td>4,708</td>
<td>$655,637.00</td>
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<td>3</td>
<td>R&amp;V</td>
<td>1,958</td>
<td>$337,000.00</td>
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<td>IH Engineers</td>
<td>4,031</td>
<td>$439,750.44</td>
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The Price Proposal from the highest technically ranked firm, Michael Baker International, dated 01/16/2020 was reviewed by Engineering Department staff. It was observed to be 2.5% higher than the Engineer’s Estimate. Negotiations commenced which resulted in a final Price Proposal in an amount of $695,300.00. Based on the Review Committee’s findings the Price Proposal of $695,300.00 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, Michael Baker International.

Based on a review of the Review Committee’s evaluation and supporting documentation, I concur with the recommendation to engage Michael Baker International of Hamilton, NJ, in the amount of $695,300.00 for this Agreement.