

**SUMMARY STATEMENT**

**ITEM NO.: DRPA-16-070**

**SUBJECT: Consultant Services for  
DRPA/PATCO Threat & Vulnerability  
Assessment**

**COMMITTEE:**

**Operations & Maintenance**

**COMMITTEE MEETING DATE:**

**June 8, 2016**

**BOARD ACTION DATE:**

**June 22, 2016**

**PROPOSAL:** That the Board authorizes staff to negotiate an agreement with Transportation Resource Associates, Inc. to provide Consultant Services for the DRPA/PATCO Threat & Vulnerability Assessment.

**Amount:** \$ 419,792.50

**Consultant:** Transportation Resource Associates, Inc.

**Other Consultants:** Michael Baker International  
TRC Environmental Corp.

**Engineers Estimate:** \$ 650,000.00

**PURPOSE:** To provide a threat and vulnerability along the PATCO right of way.

**BACKGROUND:** To produce a threat and vulnerability assessment of critical DRPA/PATCO infrastructure assets in New Jersey and Pennsylvania. The assessment will also develop strategies that prevent or mitigate the impacts of hazardous events, in accordance with accepted best security practices and applicable Federal, New Jersey State and Commonwealth laws. The assessment will allow DRPA/PATCO and its agencies to undertake the appropriate measures to allocate funding and security and reliability improvements.

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 March 26, 2015. Five (5) firms were deemed qualified and were sent a formal Request for Proposal. A review committee of three (3) staff engineers and a staff member of the DRPA Homeland Security department evaluated the Proposals on the basis of Technical merit.

**Transportation Resource Associates, Inc. was the highest technically ranked firm. TRC is a consulting firm with experience in threat & vulnerability assessments of existing transit systems. The proposed Project Manager has over 24 years of experience with security assessments and security design projects. The Lead Assessor has over 33 years of experience in threat and security assessments and planning of new structures and buildings. Overall, the team assembled by Transportation Resource Associates, 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, Transportation Resource Associates, Inc.'s price was determined to be fair and reasonable.**

**It is recommended that a consulting services agreement be negotiated with Transportation Resource Associates, Inc. for the costs and associated fees not to exceed \$419,792.50 to provide consultant services in accordance with the Request for Proposal.**

**On May 18, 2016, the Board approved Resolution DRPA-16-063, reallocating excess 1999A PDP Bond Proceeds to fund this project. By approving this Resolution the 2016 Capital Budget will be amended to include this line item and amount using the approved funds.**

<b>SUMMARY:</b>	<b>Amount:</b>	<b>\$419,792.50</b>
	<b>Source of Funds:</b>	<b>1999A PDP Bonds</b>
	<b>Capital Project #:</b>	<b>TBD</b>
	<b>Operating Budget:</b>	<b>N/A</b>
	<b>Master Plan Status:</b>	<b>N/A</b>
	<b>Other Fund Sources:</b>	<b>N/A</b>
	<b>Duration of Contract:</b>	<b>Consultant Services, 12 months</b>
	<b>Other Parties Involved:</b>	<b>N/A</b>
	<b>Estimated Number of Jobs Supported:</b>	<b>1</b>

**DRPA-16-070**  
**Operations & Maintenance Committee: June 8, 2016**  
**Board Date: June 22, 2016**  
**Consultant Services for**  
**DRPA/PATCO Threat & Vulnerability Assessment**

**RESOLUTION**

**RESOLVED:** That the Board of Commissioners of the Delaware River Port Authority accepts the Proposal of Transportation Resource Associates, Inc. to provide Consultant Services for DRPA/PATCO Threat & Vulnerability Assessment and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with Transportation Resource Associates, Inc. for an amount not to exceed \$419,792.50, 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.

**RESOLVED:** That the 2016 Capital Budget be and hereby is amended to include this project and approved amount reallocated by Resolution DRPA-16-063.

<b>SUMMARY:</b>	<b>Amount:</b>	<b>\$419,792.50</b>
	<b>Source of Funds:</b>	<b>1999A PDP Bonds</b>
	<b>Capital Project #:</b>	<b>TBD</b>
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	<b>Other Fund Sources:</b>	<b>N/A</b>
	<b>Duration of Contract:</b>	<b>Consultant Services, 12 months</b>
	<b>Other Parties Involved:</b>	<b>N/A</b>
	<b>Estimated Number of</b>	
	<b>Jobs Supported:</b>	<b>1</b>



## **MEMORANDUM**

**DELAWARE RIVER PORT AUTHORITY**  
*of Pennsylvania & New Jersey*

**TO:** O&M Committee Members  
**FROM:** Michael P. Venuto, Chief Engineer  
**SUBJECT:** Professional Service Selection for  
Consultant Services for DRPA/PATCO Threat & Vulnerability Assessment  
Technical Proposal Evaluation, Findings and Recommendation Report  
**DATE:** October 26, 2015

The Request for Qualifications (RFQs), which was posted on the Authority's web-site, invited consultants to submit Statements of Qualifications (SOQs). Twelve (12) firms submitted SOQs on March 26, 2015.

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:

Michael Baker International  
Transportation Resource Associates, Inc.  
TRC Environmental Corporation  
STV, Inc.

The short listed firms were sent a RFP on July 28, 2015. The Technical Proposals and separate sealed Price Proposals were received on September 3, 2015 from Michael Baker International, Transportation Resource Associates, Inc., TRC Environmental Corporation and STV, Inc. The Review Committee, consisting of three (3) staff engineers, and the Manager of Homeland Security, reviewed and evaluated the Technical Proposals.

Transportation Resource Associates, Inc. was the highest technically ranked firm. TRA is a consulting firm with extensive experience in threat and vulnerability assessments with existing transit systems. The firm has completed threat and vulnerability assessments for Amtrak, NJ Transit, and Port Authority of NY and NJ (PANYNJ). The proposed Project Manager has over 25 years of experience, was previously a member of the PATCO Police Department and has worked on threat and vulnerability assessments of Amtrak, PANYNJ and NJ Transit. The Lead Assessor has over 30 years of experience, was previously a member of the DRPA Police Department and has experience in threat and vulnerability assessments of both national and local transit systems.

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 \$650,000.00, as a guide. Price Proposals were opened on October 31, 2015.

Below are the Technical Proposal rankings, proposed hours and fees of these firms, along with the Engineer's estimate of hours.

Rank	Firm	Hours	Original Price Proposal	Negotiated	
				Hours	Fee
	Engineer's Estimate	2,500	\$ 650,000.00	N/A	N/A
1	TRA	1,893	\$ 419,792.50		
2	TRC	3,893	\$ 564,331.11		
3	Baker	3,254	\$ 612,000.00		

The Price Proposal from the highest technically ranked firm, Transportation Resource Associates, Inc., dated September 3, 2015 was reviewed by Engineering Department staff. It was observed to be 35% lower than the Engineer's Estimate. Because of the firm's experience with both the DRPA PATCO the amount of man-hours to review the existing conditions and plans was significantly lower than other firms. Also, the amount of staff required to complete this project was more in line with the number of staff members expected to participate on a project of this size. Because the cost of the proposal was the lowest of the three firms and was below the engineer's estimate there were no negotiations completed with the consultant. Based on the Review Committee's findings the Price Proposal of Transportation Resource Associates, 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, Transportation Resource Associates, Inc.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage Transportation Resource Associates, Inc. of Philadelphia, Pennsylvania, in the amount of \$419,792.50 for this Agreement.

:arj