

SUMMARY STATEMENT

ITEM NO.: DRPA-17-093

SUBJECT: General Engineering Consultant Services
- **Civil and Structural Engineering**
- **Construction Monitoring and Inspection Engineering**
- **Electrical and Mechanical Engineering**
- **Environmental and Geotechnical Engineering**
- **Traffic and Transportation Engineering**

COMMITTEE:

Operations & Maintenance

COMMITTEE MEETING DATE:

October 31, 2017

BOARD ACTION DATE:

November 15, 2017

PROPOSAL: That the Board authorizes staff to negotiate an agreement with the following engineering firms to provide general engineering consulting services to the DRPA in the engineering disciplines listed:

Amount: Up to \$10,000,000.00 Total

Discipline

Consultants

Civil and Structural:
(27 firms)

AECOM Technical Services, Inc.
Cherry, Weber & Associates, P.C.
CHI Consulting Engineers
Churchill Consulting Engineers
Dewberry Engineers, Inc.
Gannett Fleming, Inc.
Greenman-Pedersen, Inc.
HAKS
HDR Engineering, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Louis Berger U.S., Inc.
Maser Consulting P.A.
McCormick Taylor, Inc.
Mott MacDonald, LLC
Parsons Transportation Group, Inc.
Pennoni Associates, Inc.
Pickering, Corts & Summerson, Inc.
Remington & Vernick Engineers, Inc.

**SUMMARY STATEMENT
O&M 10/31/17**

**General Engineering Consultant
Services**

STV Incorporated
SYSTRA Consulting, Inc.
Thornton Tomasetti
TranSystems Corporation
Whitney, Bailey, Cox & Magnani, LLC
WSP USA Inc.

**Construction Monitoring and Inspection:
(12 firms)**

AECOM Technical Services Inc.
Cherry, Weber & Associates, P.C.
Gannett Fleming, Inc.
Greenman-Pedersen, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Maser Consulting P.A.
Pennoni Associates, Inc.
STV Incorporated
Urban Engineers, Inc.

**Electrical and Mechanical:
(10 firms)**

AECOM Technical Services Inc.
Burns Engineering, Inc.
Gannett Fleming Transit & Rail Systems, Inc.
HAKS
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
Mott MacDonald, LLC
Parsons Transportation Group, Inc.
Pennoni Associates, Inc.
Remington & Vernick Engineers

**Environmental and Geotechnical:
(12 firms)**

AMEC Foster Wheeler Environmental &
Infrastructure, Inc.
BATA Environmental Associates, Inc.
Brinkerhoff Environmental Services, Inc.
Buchart Horn, Inc.
Dewberry Engineers Inc.
Dresdner Robin Environmental Management, Inc.
Gannett Fleming, Inc.
HAKS
Mott MacDonald, LLC
The Kleinfelder Group
Pennoni Associates Inc.
WSP USA, Inc.

**SUMMARY STATEMENT
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**General Engineering Consultant
Services**

Traffic and Transportation:
(14 firms)

AECOM Technical Services, Inc.
Gannett Fleming, Inc.
HDR Engineering, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
McCormick Taylor, Inc.
Michael Baker International, Inc.
Parsons Transportation Group Inc.
STV Incorporated
SYSTRA Consulting, Inc.
Traffic Planning and Design, Inc.
Urban Engineers, Inc.
WSP USA, Inc.

Engineers Estimate: \$10,000,000.00

PURPOSE: To retain engineering firms to provide general consulting engineering services in support of the Authority's capital program and in-house engineering staff.

BACKGROUND: The Delaware River Port Authority Capital Program includes a variety of needs involving diverse engineering disciplines. Staff time and expertise are not always available to handle the number and variety of projects requiring attention. In order to supplement in-house engineering staff, the Engineering Department previously retained general consulting services in multiple areas: civil and structural engineering, construction monitoring and inspection, electrical and mechanical engineering, environmental and geotechnical engineering, and traffic and transportation engineering. The general engineering consulting services agreements would allow the Authority to accomplish engineering work to advance our capital program. Work assigned under these agreements would be on a Task Order basis and would involve relatively small projects and short-duration activities. Engineering services for larger projects would continue to be retained through the normal consultant engagement process.

The Authority publicly advertised its intent to retain consultants and invited interested firms to submit responses to the Request for Proposal.

Technical and Price Proposals for thirty two (32) firms in Civil and Structural, nineteen (19) firms in Construction Monitoring and Inspection, twelve (12) firms in Electrical and Mechanical, twenty one

(21) firms in Environmental and Geotechnical and sixteen (16) firms in Traffic and Transportation were received by the DRPA on October 4, 2017. Committees consisting of members of the Engineering Department staff were assembled to evaluate the qualifications on the basis of technical merit. Based on review by the committees, the firms selected were the most responsive to the Authority's present need for general engineering consultant services, in the areas of Civil and Structural, Construction Monitoring and Inspection, Electrical and Mechanical, Environmental and Geotechnical, and Traffic and Transportation engineering.

Thirty seven (37) qualified firms, that were technically evaluated and recommended by the selection committees, have been selected to fill the DRPA's need for General Engineering Consulting services. These firms were selected to provide best value resources to supplement the DRPA's in-house engineering staff. The selection of these thirty seven (37) recommended firms provides a diversity of skills within the engineering disciplines and a level of experience in the industry that will allow the DRPA to continue providing and meeting the engineering needs for safe and secure transportation infrastructure in the region.

In accordance with the Delaware River Port Authority's qualification based selection procedure, the Price Proposals were evaluated for the firms being recommended. There is a fair and competitive balance among the pricing for the firms with many variables considered during this selection process.

It is recommended that general engineering consultant services agreements be negotiated with the following engineering firms for the costs and associated fees to provide engineering services in accordance with the Request for Proposal.

Discipline

Consultants

**Civil and Structural:
(27 firms)**

AECOM Technical Services, Inc.
Cherry, Weber & Associates, P.C.
CHI Consulting Engineers
Churchill Consulting Engineers
Dewberry Engineers, Inc.
Gannett Fleming, Inc.
Greenman-Pedersen, Inc.
HAKS

**SUMMARY STATEMENT
O&M 10/31/17**

**General Engineering Consultant
Services**

HDR Engineering, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Louis Berger U.S., Inc.
Maser Consulting P.A.
McCormick Taylor, Inc.
Mott MacDonald, LLC
Parsons Transportation Group, Inc.
Pennoni Associates, Inc.
Pickering, Corts & Summerson, Inc.
Remington & Vernick Engineers, Inc.
STV Incorporated
SYSTRA Consulting, Inc.
Thornton Tomasetti
TranSystems Corporation
Whitney, Bailey, Cox & Magnani, LLC
WSP USA Inc.

**Construction Monitoring and Inspection:
(12 firms)**

AECOM Technical Services Inc.
Cherry, Weber & Associates, P.C.
Gannett Fleming, Inc.
Greenman-Pedersen, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
KS Engineers, P.C.
Maser Consulting P.A.
Pennoni Associates, Inc.
STV Incorporated
Urban Engineers, Inc.

**Electrical and Mechanical:
(10 firms)**

AECOM Technical Services Inc.
Burns Engineering, Inc.
Gannett Fleming Transit & Rail Systems, Inc.
HAKS
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
Mott MacDonald, LLC
Parsons Transportation Group, Inc.
Pennoni Associates, Inc.
Remington & Vernick Engineers

**Environmental and Geotechnical:
(12 firms)**

AMEC Foster Wheeler Environmental &
Infrastructure, Inc.

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O&M 10/31/17**

**General Engineering Consultant
Services**

BATTA Environmental Associates, Inc.
Brinkerhoff Environmental Services. Inc.
Buchart Horn, Inc.
Dewberry Engineers Inc.
Dresdner Robin Environmental Management, Inc.
Gannett Fleming, Inc.
HAKS
Mott MacDonald, LLC
The Kleinfelder Group
Pennoni Associates Inc.
WSP USA, Inc.

Traffic and Transportation:
(14 firms)

AECOM Technical Services, Inc.
Gannett Fleming, Inc.
HDR Engineering, Inc.
HNTB Corporation
Jacobs Engineering Group, Inc.
Johnson, Mirmiran & Thompson, Inc.
McCormick Taylor, Inc.
Michael Baker International, Inc.
Parsons Transportation Group Inc.
STV Incorporated
SYSTRA Consulting, Inc.
Traffic Planning and Design, Inc.
Urban Engineers, Inc.
WSP USA, Inc.

For charges covering costs and fees not to exceed \$10,000,000.00 in aggregate for each discipline for work actually performed over a term not to exceed three (3) years with the option in favor of DRPA for one (1) additional year. Upon approval of the Board, agreements will be executed with these firms to provide the general engineering services required.

SUMMARY:

Amount:	Up to \$10,000,000.00 Total
Source of Funds:	Revenue Fund/General Fund
Capital Project #:	Various
Operating Budget:	N/A
Master Plan Status:	N/A
Other Fund Sources:	N/A
Duration of Contract:	Up to three (3) years with the option in favor of DRPA for one (1) additional year
Other Parties Involved:	N/A
Estimated Number of Jobs Supported:	Up to 82

DRPA-17-093
Operations & Maintenance Committee: October 31, 2017
Board Date: November 15, 2017
General Engineering Consultant Services

RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority accepts the Proposals of the thirty seven (37) consulting engineering firms to provide general engineering consultant services and that the proper officers of the Authority be and hereby are authorized to negotiate an Agreement with the following firms for an amount not to exceed \$10,000,000.00, 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:	Up to \$10,000,000.00 Total
	Source of Funds:	Revenue Fund/General Fund
	Capital Project #:	Various
	Operating Budget:	N/A
	Master Plan Status:	N/A
	Other Fund Sources:	N/A
	Duration of Contract:	Up to three (3) years with the option in favor of DRPA for one (1) additional year
	Other Parties Involved:	N/A
	Estimated Number of Jobs Supported:	Up to 82



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
General Engineering Consultant Services
Technical Proposal Evaluation, Findings and Recommendation Report
DATE: October 31, 2017

The Request for Proposals (RFPs), which was posted on the Authority's web-site, invited consultants to submit Technical and Price Proposals. On October 4, 2017, Proposals were received for the following disciplines: thirty two (32) firms in Civil and Structural, nineteen (19) firms in Construction Monitoring and Inspection, twelve (12) firms in Electrical and Mechanical, twenty one (21) firms in Environmental and Geotechnical and sixteen (16) firms in Traffic and Transportation.

Policy 303a outlines the procedure for Request for Proposal selection of consultants by the Engineering Department. Five committees consisting of members of the Engineering Department staff were assembled to review and evaluate the proposals on the basis of technical merit. Based on the review by the individual committees and an overall evaluation by Engineering Management, the firms selected were deemed the most responsive to the Authority's present need for general engineering consultant services, in the areas of Civil and Structural, Construction Monitoring and Inspection, Electrical and Mechanical, Environmental and Geotechnical, and Traffic and Transportation engineering. A summary of consultants proposing to provide general engineering consultant services is attached.

Price Proposals were opened on October 19, 2017 and reviewed by the Engineering and Contract Administration Department staff. Price Proposals are submitted based on average hourly rates for a variety of job functions (Project Manager, Engineer, Inspector, CAD Operator, etc.). The Price Proposals have been determined to be fair and reasonable based on our anticipated needs and therefore it is recommended that an Engineering Services Agreement be issued to the recommended firms.

Based on a review of the Review Committee's evaluation and supporting documentation, I concur with the recommendation to engage the recommended firms in an amount not-to-exceed \$10,000,000.00.

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