Delaware River Port Authority Special Engineer & Contractor Event

Delaware River Port Authority
One Port Center (OPC)
2 Riverside Drive
Camden, NJ
11th Floor Board Room

Thursday, November 12, 2015
8:30 a.m. – 12:00 p.m.
1:00 p.m. – 4:30 p.m.
## 2015 Capital Program

<table>
<thead>
<tr>
<th>Facility</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019/Later</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benjamin Franklin Bridge</td>
<td>$5,350</td>
<td>$9,850</td>
<td>$6,250</td>
<td>$12,700</td>
<td>$40,330</td>
<td>$74,480</td>
</tr>
<tr>
<td>Walt Whitman Bridge</td>
<td>$16,050</td>
<td>$21,550</td>
<td>$23,000</td>
<td>$21,750</td>
<td>$20,850</td>
<td>$103,200</td>
</tr>
<tr>
<td>Commodore Barry Bridge</td>
<td>$27,300</td>
<td>$24,700</td>
<td>$25,500</td>
<td>$25,000</td>
<td>$23,500</td>
<td>$126,000</td>
</tr>
<tr>
<td>Betsy Ross Bridge</td>
<td>$9,400</td>
<td>$9,400</td>
<td>$100</td>
<td>$800</td>
<td>$5,000</td>
<td>$24,700</td>
</tr>
<tr>
<td>Multi-Bridges or All Facilities</td>
<td>$5,475</td>
<td>$4,775</td>
<td>$5,475</td>
<td>$5,475</td>
<td>$12,875</td>
<td>$34,075</td>
</tr>
<tr>
<td>Facility Security</td>
<td>$250</td>
<td>$250</td>
<td>$2,250</td>
<td>$11,500</td>
<td>$17,950</td>
<td>$32,200</td>
</tr>
<tr>
<td>DRPA Other</td>
<td>$980</td>
<td>$700</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$1,680</td>
</tr>
<tr>
<td>Ferry</td>
<td>$0</td>
<td>$0</td>
<td>$75</td>
<td>$400</td>
<td>$0</td>
<td>$475</td>
</tr>
<tr>
<td>PATCO</td>
<td>$53,004</td>
<td>$73,326</td>
<td>$83,103</td>
<td>$29,930</td>
<td>$28,730</td>
<td>$268,093</td>
</tr>
<tr>
<td>Technology</td>
<td>$17,378</td>
<td>$5,137</td>
<td>$2,031</td>
<td>$300</td>
<td>$300</td>
<td>$25,146</td>
</tr>
<tr>
<td>All Schedules (A, B, D, T, V, and Capital Labor)</td>
<td>$11,220</td>
<td>$6,375</td>
<td>$6,375</td>
<td>$6,375</td>
<td>$6,375</td>
<td>$36,720</td>
</tr>
<tr>
<td>Total Capital Program</td>
<td>$146,407</td>
<td>$156,063</td>
<td>$154,159</td>
<td>$114,230</td>
<td>$155,910</td>
<td>$726,769</td>
</tr>
</tbody>
</table>

* Net of Federal/State Funding
Delaware River Port Authority

**Mission**: "As stewards of public assets, we provide for the safe and efficient operation of transportation services and facilities in a manner that creates value for the public we serve."

**Vision**: “Together we are world-class stewards of public transportation assets. Working collaboratively across all business units, we operate, maintain, improve and protect transportation infrastructure for the benefit of the citizens we serve throughout the Greater Philadelphia Region. We are committed to building credibility, earning public trust and creating public value.”
Engineering Division

**Mission**: “The Engineering Division provides comprehensive planning and design, quality construction management and sound project leadership to implement the capital program in support of maintenance and operational needs in order to sustain and enhance DRPA’s transportation services and facilities.”

**Vision**: “To champion effective communication and coordination between all departments in providing professional engineering services that maintain and preserve the DRPA & PATCO infrastructure for the community we service today and the generations of tomorrow.”
Capital Projects

Identified Primarily Through:
- Biennial Inspections
- Studies
- Agency Coordination Efforts
- Technology enhancements

Funded Through:
- Bonds
- General Fund
- Federal Grants
Three Non–Discrimination Programs

- MBE / WBE Program
- Disadvantaged Business Enterprise Program
- Vendor Diversity Program
Process for Construction Projects

- Publicly advertised
  - Website
  - Instant e-alert
  - Quarterly Newsletter – *News Alert*
- Pre-bid meetings
- Decide whether you will be a Prime or a Sub
- Submit bid (as Prime or Sub)
- Bid opening
- Pre-construction meetings
Process for Professional Consultants

- Publicly advertised
  - Website
  - Instant e-alert
  - Quarterly Newsletter – News Alert

- Pre-proposal meetings
- Decide whether you will be a Prime or Sub
- Submit proposal (as Prime or Sub)
- Kick-off meeting
Compliance

Construction Projects and Professional Consultants

- Solicitation form
- Commitment form
- Bid evaluation form / Proposal evaluation form
- Monthly payment status reports
- Site visits (Construction)
- Progress meetings
Engineering Overview

- **Engineering consists of two groups: Planning & Design and Construction & Maintenance**
  - 14 Professional Engineers
  - 4 Technical Support Staff
  - 3 Administrative Staff
  - Program Managers (supplemental staff)

- **Planning & Design Main Tasks**
  - Identify needs; develop work scope, budget, and schedule; perform and oversee design; develop RFP project requirements and subsequent Agreements; develop final bid documents for construction; coordinate with outside agencies

- **Construction & Maintenance Main Tasks**
  - Pre- and Post-bid phases; construction monitoring and inspection; construction management
Procurement Methods

- **Construction Contracts**
  - Competitively bid and awarded to lowest responsive and responsible bidder.

- **Professional Service Agreements**
  - FTA Funded Projects
    - Brooks Method
  - DRPA Funded Projects
    - Engineering Policy 303a
    - Qualification Based Selection
    - Request for Qualifications/ Request for Proposal Process
Construction Contracts
• Competitively bid and awarded to lowest responsive and responsible bidder.
### UPComing MAjor CaPital PrOjects

<table>
<thead>
<tr>
<th>Project</th>
<th>Design</th>
<th>Construction</th>
<th>CM Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFB Cable Dehumidification</td>
<td>Selection in progress</td>
<td>Bid Fall, 2017</td>
<td>RFP Spring, 2017</td>
</tr>
<tr>
<td>BFB Bridge Deck Resurfacing and Tower Expansion Joint Rehabilitation</td>
<td>Currently advertising for Design</td>
<td>Bid Spring, 2018</td>
<td>RFP early 2018</td>
</tr>
<tr>
<td>BFB South Walk Bicycle/Pedestrian Ramp</td>
<td>Design in progress</td>
<td>Bid Winter, 2016</td>
<td>RFP Spring, 2016</td>
</tr>
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### UPCOMING MAJOR CAPITAL PROJECTS

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<th>Project</th>
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<th>Construction</th>
<th>CM Services</th>
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<tr>
<td>WWB PA Approach Structural Rehabilitation</td>
<td>RFQ for Design in Progress</td>
<td>Bid Summer, 2017</td>
<td>RFP Summer, 2017</td>
</tr>
<tr>
<td>CBB Deleading and Painting – Phase 2</td>
<td>December, 2015</td>
<td>Bid December, 2015</td>
<td>RFP December, 2015</td>
</tr>
<tr>
<td>CBB Deleading and Painting – Phase 3</td>
<td>December, 2017</td>
<td>Bid October, 2017</td>
<td>RFP October, 2017</td>
</tr>
<tr>
<td>CBB Structural Rehabilitation</td>
<td>Technical Review in Progress</td>
<td>Bid June, 2017</td>
<td>RFP June, 2017</td>
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# Upcoming Major Capital Projects

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<tr>
<td>PATCO Embankment Restoration and Drainage Improvements</td>
<td>Design in progress</td>
<td>Bid early 2017</td>
<td>RFP – early 2017</td>
</tr>
<tr>
<td>PATCO Lindenwold Yard Track Rehabilitation and Lindenwold Viaduct</td>
<td>Completed</td>
<td>Bid Summer, 2017</td>
<td>RFP – Summer, 2016</td>
</tr>
<tr>
<td>PATCO Install Elevators in Remaining Stations</td>
<td>Design in progress</td>
<td>Bid Spring, 2016</td>
<td>RFP – Spring, 2016</td>
</tr>
</tbody>
</table>
BRB Resurfacing and Approach Rehabilitation

- $18.8M Project
- Bridge Deck Repairs
- Paving
$7M Project Rehabilitation of Toll Lanes
Roadway Paving
Substructure Repairs
CBB Deleading and Painting – Phase 1

- Phase 1 of a Three-Phase Project
- Blast cleaning and painting the New Jersey approach spans of the Commodore Barry Bridge and U.S. 130 Overpass.
- Painting the interior cells of the cantilever span bottom chord.
- Three-Coat Corrosive - Protection System.
- Miscellaneous Structural Repairs
PATCO Track Rehabilitation Across the BFB

- $103M Project
- New Track, Rail, Structure Repairs
- Single Tracking
- Currently working on Signal Communication, Electrical

Completed Track
Rehabilitation of the Track Structure on the Viaduct at Westmont

- $11M Project
- Construction - Fall, 2015
Break-Out Sessions

- DRPA/PATCO Engineering Planning and Design Group
- DRPA/PATCO Engineering Construction and Maintenance Group
- Office of Business Development & Equal Opportunity
- Company Networking