Design Build
Pawtucket CSO Tunnel

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NARRAGANSETT BAY COMMISSION
CSO PROGRAM MANAGER
NARRAGANSETT BAY COMMISSION

• Provides wastewater collection and treatment services

• Ten communities – includes CSO communities of Providence, Pawtucket and Central Falls

• Serves 360,000 Residents

• Serves 7,800 Businesses
What is a CSO?

- Pipe that discharges combination of rain water and sewage to receiving waters.
- During dry weather, flow is transported to treatment plant for treatment.
- During wet weather, flow exceeds capacity of system and relieves to rivers.
NBC CSO Program

- 3 Phase Program defined in 1998
- Phase 1 Construction 2001-2008
  - Cost: $360 Million
  - Deep rock storage tunnel
- Phase 2 Design and Construction 2008-2015
  - Cost: $197 Million
  - 2 CSO Interceptors, sewer separation
NBC CSO Program

- Phase 3 Reevaluation due to affordability concerns
- $557 Million Phases 1 and 2
- Results of Reevaluation: Extend Phase 3 schedule to reduce impact of program on rates
- $10 Million GSI each sub-phase
Phase 3A Facilities

- Tunnel Dewatering Pump Station
- Regulator Modifications
- Green Stormwater Infrastructure (GSI)
- Pawtucket Tunnel
- Bucklin Point WWTF Upgrade
Phase 3A Multiple Contracts

- IIIA-1: Tunnel
- IIIA-2: Tunnel Pump Station
- IIIA-3: OF-205 Facilities
- IIIA-4: OF210/213/214 Facilities
- IIIA-5: OF-217 Facilities
- IIIA-6: OF-218 Facilities
- IIIA-7: Regulator Modifications
- IIIA-8 GSI Demonstration Project
- IIIA-9: Green Stormwater Infrastructure Project
- IIIA-10: BPWWTF Improvements
- IIIA-11: 1304 High Street Demolition
- IIIA-12: Dexter Street Parking Lot GSI Project
- IIIA-13: Demolition Project(s)
Phase 3A Design Build Facilities

- Approach Channel
- Constructed by Others
- Drop Shaft 213 6-Ft Diameter
- Vortex Chamber
- Vent Shaft 2-Ft Diameter
- Deaeration Chamber
- ADIT
- ADIT Connection at Tunnel Spring Line
- Tunnel Connection
Why Design Build?

1.) Single point of accountability for final design and construction
2.) Contractor involvement during design-design can be tailored to contractor’s means and methods
3.) Greater price certainty
Two Step Procurement Process

1.) Request for Qualifications
2.) Request for Proposals
Request for Qualifications

Draft Contract Agreement will be included

RFQ
Solicit Statements of Qualifications from interested DB Teams

SOQs
Statements of Qualifications submitted by DB Teams

Short List
SOQs evaluated and Short List of three DB Teams selected by NBC
Experience of Companies and Key Personnel:

- Large-diameter rock tunnels with precast concrete segmental lining systems
- **Fixed-price design-build** projects
- Working together on previous projects
- Working in urban residential and commercial environments
- Achieving MBE/WBE goals on previous projects
### Selection of Short List

#### Scoring Criteria:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Experience of Design-Build Team</td>
<td>35</td>
</tr>
<tr>
<td>Experience of Key Personnel</td>
<td>40</td>
</tr>
<tr>
<td>Safety Record</td>
<td>15</td>
</tr>
<tr>
<td>References</td>
<td>5</td>
</tr>
<tr>
<td>Record of attaining MBE/WBE goals</td>
<td>5</td>
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Request for Proposals

**RFP**
RFP issued to short-listed DB Teams

**Proprietary Meetings**
DB Teams may present ATCs

**Proposals**
Technical and Cost Proposals submitted by short-listed DB Teams

**Interviews**
DB Teams present proposals

**Evaluation**
Technical and Cost Proposals evaluated by NBC
Request for Proposals

- Bridging Documents
  - Preliminary design drawings
  - Technical requirements
  - Performance criteria
  - Schedule milestones
  - Geotechnical Data Report (GDR)
  - Environmental Data Report (EDR)
  - Geotechnical Baseline Report for Bidding (GBR-B)

- Proposal evaluation and selection criteria
# Proposal Rating Criteria

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points</th>
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<tbody>
<tr>
<td>Overall Management Approach</td>
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<tr>
<td>Management of Design</td>
<td>55-65</td>
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<tr>
<td>Project Sequencing and Scheduling</td>
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<tr>
<td>Proposed Design</td>
<td></td>
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<tr>
<td>Price</td>
<td>35-45</td>
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Stipend

- $300,000 to unsuccessful, short-listed, responsive proposers

- To be eligible for stipend, the proposer must have submitted a responsive proposal and completed all requirements of the RFP.
## Procurement Schedule

<table>
<thead>
<tr>
<th>Issue RFQ</th>
<th>August 19, 2019</th>
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<tbody>
<tr>
<td>Deadline for Questions on RFQ</td>
<td>September 11, 2019</td>
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<tr>
<td>Statement of Qualifications on RFQ</td>
<td>September 27, 2019</td>
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<tr>
<td>NBC selects short list</td>
<td>October/November 2019</td>
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<tr>
<td>Issue RFP</td>
<td>January 2020</td>
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<tr>
<td>Proprietary Meetings</td>
<td>March-April 2020</td>
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<tr>
<td>Technical and Price Proposals Due</td>
<td>June 2020</td>
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<tr>
<td>Interviews</td>
<td>July 2020</td>
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<tr>
<td>Notification of Intent to Award</td>
<td>September 2020</td>
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<tr>
<td>Notice to Proceed</td>
<td>November/December 2020</td>
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QUESTIONS?