Hampton Roads Bridge-Tunnel Expansion Project

VTCA-District Dialogue
November 27, 2018

James S. Utterback
HRBT Project Director
Virginia Department of Transportation
Scope of HRBT Expansion Project

- Settlers Landing in Hampton to I-564 Norfolk (10 Miles)
- I-64 improvements include 6 lanes of highway and construction of 4 lane bridge/tunnel
- New HRBT tunnel will serve Eastbound traffic
- 2 existing HRBT tunnels will serve Westbound traffic
- Replace existing marine approach bridges
- Project Estimate: $3.66 Billion
Key Project Segments

- Tunnel crossing
  ~ 8000 ft. across Hampton Roads waterway
- Island improvements
- Marine bridges
  ~ 9000 ft. across Hampton Roads waterway
  ~ 5000 ft. across Willoughby Bay
- Landside highway widening
  ~ 1 mile in Hampton
  ~ 4 miles in Norfolk
Landside Construction Considerations

- Landside work is broken into two parts - Hampton and Norfolk
- Environmental, Right of Way and Maintenance of Traffic provide biggest challenges for construction in both Cities

- Hampton
  - I-64 Interchange at Mallory Street to be reconstructed
  - Construction of roadway to approach bridges will require phasing
  - Cultural Resources include Federal Cemetery, Hampton University and Phoebus

- Norfolk
  - Constraints at Bayville Interchange and Willoughby Bay Bridges
  - Four interchanges impacted (Bayville, 4th View, Bay Ave, New Gate)
  - Naval Air Station borders western side I-64 (vertical & horizontal)
Early Estimate on Quantities:

Corridor Improvements- 10 miles of Interstate

Bridges
- Trestles – 1,466,306 SF
- Landside Widening/Replace – 664,407 SF
- Landside Repair – 736,380 SF

Bored-Tunnel
- Concrete (cast-in-place) – 371,960 CY
- Steel (reinforcing, temp. piles, and anchors) – 28,545,570 LB
- Excavation (Islands and Tunnel) – 1,907,222 CY
- Armor Stone – 390,000 TN

Roadway
- Asphalt – 181,548 TN
- Aggregate – 71,188 TN
- Earthwork – 288,185 CY
# Completed Procurement Activities

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPTA Steering Committee</td>
<td>Dec 12, 2017</td>
</tr>
<tr>
<td>RFQ Issued</td>
<td>Dec 15, 2017</td>
</tr>
<tr>
<td>Shortlist Announced</td>
<td>Apr 26, 2018</td>
</tr>
<tr>
<td>PPTA Steering Committee</td>
<td>May 9, 2018</td>
</tr>
<tr>
<td>Draft RFP Release</td>
<td>May 22, 2018</td>
</tr>
<tr>
<td>Proprietary/ATC Meetings #1</td>
<td>Jun 11-12, 2018</td>
</tr>
<tr>
<td>Proprietary/ATC Meetings #2</td>
<td>Jul 17-18, 2018</td>
</tr>
<tr>
<td>Proprietary/ATC Meetings #3</td>
<td>Aug 7-8, 2018</td>
</tr>
<tr>
<td>Proprietary/ATC Meetings #4</td>
<td>Sept 10-11, 2018</td>
</tr>
<tr>
<td>Final RFP Release</td>
<td>Sept 27, 2018</td>
</tr>
<tr>
<td>Proprietary/ATC Meetings #5</td>
<td>Oct 23-24, 2018</td>
</tr>
</tbody>
</table>
### Future Procurement Activities

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addenda to Final RFP</td>
<td>Nov 28, 2018</td>
</tr>
<tr>
<td>ATC Meeting #6 (if needed)</td>
<td>Dec, 2018</td>
</tr>
<tr>
<td>Technical Proposal Submission</td>
<td>Jan 15, 2019 at 5:00 PM</td>
</tr>
<tr>
<td>Price Proposal Submission</td>
<td>Feb 8, 2019 at 5:00 PM</td>
</tr>
<tr>
<td>Selection of Best Value Proposal</td>
<td>Feb 2019</td>
</tr>
<tr>
<td>CTB Briefing</td>
<td>Feb 2019</td>
</tr>
<tr>
<td>PPTA Statutory Audit</td>
<td>Feb 2019</td>
</tr>
<tr>
<td>Execute Comprehensive Agreement</td>
<td>Mar 2019</td>
</tr>
<tr>
<td>PPTA Steering Committee</td>
<td>NLT 60 days from execution of CA</td>
</tr>
<tr>
<td>Contractor LNTP</td>
<td>Mar 2019</td>
</tr>
<tr>
<td>Project Final Completion</td>
<td>Nov 2025</td>
</tr>
</tbody>
</table>
LNTP contract language to limit agency risk ($250 M) until Joint Permit Application (JPA) is issued

24 months

Contract Award

JPA Public Notice

LNTP 1-Design work for JPA, agency feedback, permit issued

LNTP 2-TBM design & fabrication

LNTP 3-Marine island excavation to support TBM

The Next Connection
Consultant Engineering & Construction Support RFP

- Scope includes full-time staff augmentation
  - Design oversight
  - Construction oversight
  - Design-build contract management

- Estimated contract value = $80 million

- Performance period = 7 years

- Anticipated procurement schedule:
  - Expressions of Interest Due 11/28/18
  - Final Consultant Selection 1/30/19
  - Consultant Contract Signed 4/10/19