REQUEST FOR QUALIFICATIONS SHOWING

May 28, 2015
Westin Virginia Beach Town Center
Virginia Beach, VA, USA
I. Welcome
Jeffrey B. Holland, Executive Director, CBBT

II. Commission, District and Project Overview
Jeffrey B. Holland, Executive Director, CBBT

III. Project Finance
Thomas R. Anderson, III, Deputy Director of Finance & Operations, CBBT

IV. Project Updates
Michael T. Crist, P. E., Deputy Director of Infrastructure, CBBT

V. Request for Qualifications (RFQ)
Robert E. Johnson, Director of Maintenance/Director of Parallel Thimble Shoal Tunnel Project, CBBT

VI. Summary
Jeffrey B. Holland, Executive Director, CBBT
CBBT Commission Overview

• Eleven member Commission appointed by the Governor of the Commonwealth of Virginia
  o One member is a representative of the Commonwealth Transportation Board
  o Ten members represent the six cities and two Eastern Shore counties that make up the District
• Appointed with varied occupational disciplines & technical experience
  o Attorneys, Real Estate Developer, MIS Manager, Large Business Owners, Controller, Freight Logistics, College President, Congressional Office Manager, Military & Commercial Pilot
• Autonomous Body that sets the policies of the District
• Responsible for overall Project Approvals/Awards
CBBT District Overview

- Political Subdivision of the Commonwealth
- 150 Full Time Employees
- Comprised of 4 divisions
  - Administration
  - Finance
  - Maintenance
  - Operations
- Operates as a business entity
- Tax exempt
- No Federal, State or Local Tax Monies used to operate or maintain the CBBT
CBBT Parallel Thimble Shoal Tunnel Project Team

CBBT Commission

Project Development Committee
Fred Stant, Tommy Meehan, John Malbon, Wayne Coleman, George Clarke

CBBT District Staff
Jeff Holland, Tom Anderson, Bob Johnson, Mike Crist, Project Manager (Position Advertised)

Project Development

Strategic Advisor
Moffatt & Nichol Pennoni & Assoc. Arcadis Ernst & Young

Design Manager
Jacobs HNTB COWI Capital Project Strategies

Project Counsel
Nossaman

Commission Counsel
Willcox & Savage

Construction Manager
To be awarded Fall 2015

Design Builder
To be awarded May 2016

Project Financing

Municipal Advisor
Public Financial Management

Traffic & Revenue Advisor
Steer Davies Gleave

Bond Counsel
Nixon Peabody

Underwriter
Bank of America/Merrill Lynch
Citigroup Global Markets
Raymond James & Assoc.
BB&T Capital Markets
Wells Fargo Securities
Rockfleet Financial Services
Project Overview: Location Map

Parallel Thimble Shoal Tunnel
Project Elements: Proposed Island

- Proposed Parallel Thimble Shoal Tunnel (SB Traffic)
- Fishing Pier
- Approximate Edge of Existing Island
- #1 Island
- #2 Island
- Existing Thimble Shoal Channel Tunnel (NB Traffic)
- Existing Crossover
Scope of Work

- Approx. 5,700 ft. of a two-lane tunnel
- Top of tunnel at mid-channel to be at -80 ft. MLLW for 1000 ft. wide channel minimum.
- Expand portal islands No. 1 and 2 to accommodate new roadway, island service road profile, and a new ventilation building on each island
- Trestle extensions from existing wye areas to portal islands
  - Approx. 1,500-ft of 2 lane
  - Approx. 400-ft of 3 lane
Scope of Work

- Associated Mechanical/Electrical/Plumbing (ventilation, fire protection, drainage, lighting, etc.)
- Pedestrian bridge over the boat section on Portal Island No. 1
- Fishing Pier on Portal Island No. 1
- Space planning/allowance for future buildings
  - restaurant/retail area
  - visitor center
  - Virtual touring room
  - 3-bay garage
Project Finance

Financing Tasks – Completed or Underway

- Municipal Advisor – Public Financial Management
- Bond Counsel – Nixon Peabody
- Traffic & Revenue – Steer Davies Gleave
- Investment Grade Traffic & Revenue Study
  - Draft report submitted to TIFIA JPO
- TIFIA
  - Original LOI submitted in April 2014
  - Updated LOI submitted in December 2014
  - LOI Eligibility Review completed in March 2015
  - Credit Council presentation in June 2015
- VTIB
  - Reviewed by Advisory Panel
  - Pending CTB Approval
Project Finance

Plan of Finance Overview

- **10% toll increase every 5 years starting in January 2014**
  - First full year of new tolling regime yielded over 14.4%
  - No degradation in traffic volume
  - FY 2015 To date Traffic up 2.6%
  - FY 2015 To date Revenues up 12.6%

- **SDG prepared an investment grade Traffic & Revenue Study**
  - T&R model benefits from actual results of January 2014 toll rate increase
  - Forecast increases for current year achieved in just 9.5 months
  - FY 2015 To date traffic increase projected @ 71,000; current traffic increase has already reached 95,000 FYTD

- **Conservative estimates for investment income, operating expenses and renewal/replacement expenses**
  - Fifty year history of tolling and managing operations and maintenance

- **Anticipate BBB Rated Revenue Bonds**
  - CBBT Toll Revenue Bonds are currently rated “A-” by Fitch
Federal Highway Administration

- TIFIA Loan Requires FHWA Involvement
- NEPA
- Procurement
  - Approval of Process and Documentation
  - Approval of Contract(s)
  - Buy America
  - DBE Requirements
  - No SWaM
- FHWA Major Project PM Reviewing Overall Project Development
National Environmental Policy Act (NEPA)

- Environmental Assessment (EA) underway
- FHWA is the lead Federal agency
- Multiple agencies involved
- Purpose is to identify potentially significant impacts
- Draft EA signed December 2014
- Public Hearings completed
- Public Agency comments received
- Finding of No Significant Impact (FONSI) anticipated summer 2015
National Environmental Policy Act (NEPA)

Area Considered for Potential Impacts

Proposed Parallel Thimble Shoal Tunnel

Existing Thimble Shoal Tunnel

Existing Southbound Trestles

Existing Northbound Trestles
Permitting

- Contractor will obtain permits and clearances
- District is a partner with contractors to obtain the permits and clearances
- Work to facilitate permitting was initiated during NEPA process
  - Navigation/Maritime coordination
  - Identification of possible permit conditions
  - Dredged material disposal
- Information will be made available through DB RFP process
Geotechnical Investigation

- Geophysical Survey
- Geotechnical Ground Investigation
- Laboratory Testing on Representative Soil Samples
- Additional Deep Borings for Bored Option
- Geotechnical Data Report (GDR)
- Draft Geotechnical Baseline Report (GBR)
Geotechnical Investigation
Geotechnical Investigation

NOTES:
1) Bathymetric data (solid black line) from 2014 multibeam survey.
2) Bathymetric elevation relative to mean lower low water (MLLW).
3) Stratigraphic contacts are approximate, and interpreted from boring and CPT soundings. Conditions vary both along and perpendicular to the section line.
4) Material descriptions are generalized. Materials may vary within the stratigraphic units.

Stratigraphic Units

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<th>Unit</th>
<th>Description</th>
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<td>Txs</td>
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</table>
Sand for Island Construction

- **Atlantic Ocean Channel (AOC)**
  - AOC has been identified as borrow source for other regional dredging projects (beach nourishment and Craney Island Eastward Expansion)
  - Good fine-grained material, information to be supplied with D-B documents
  - Likely require Contractor Joint Permit Application

- **Upland Borrow Sources**
  - Contractor Supplied
Procurement

• Design-Build pursuant to PPTA act of 1995, VA Code Ann. § 33.2-1800 as amended and as established by the Commission.
• Provides for proprietary meetings, leverage innovation and cost savings
• Alternative Technical Concepts (ATCs)
• RFQ
  o Qualifications – General
  o Qualifications – Tunnel Specific
  o Evaluation methodology
  o Submittal Requirements
• Keep Team Intact
• Conflicted Teams
• Short-List up to 4 teams for RFP
  o Teams can be short-listed for bored tunnel and/or immersed tube tunnel
  o Technically Acceptable, Low Price
  o $1,250,000 Stipend
• No owner-driven Accelerated Schedule
# Procurement Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project showcase</td>
<td>November, 2014</td>
</tr>
<tr>
<td>Notice of intent to issue RFQ</td>
<td>March, 2015</td>
</tr>
<tr>
<td>Issue DB RFQ</td>
<td>May, 2015</td>
</tr>
<tr>
<td>Pre-proposal meeting</td>
<td>May, 2015</td>
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<tr>
<td>SOQ due</td>
<td>July, 2015</td>
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<tr>
<td>FONSI</td>
<td>August, 2015</td>
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<tr>
<td>Short list DB teams</td>
<td>August, 2015</td>
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<tr>
<td>Issue Draft RFP</td>
<td>August, 2015</td>
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<tr>
<td>Final RFP</td>
<td>February, 2016</td>
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<tr>
<td>Technical Proposals due</td>
<td>March, 2016</td>
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<tr>
<td>Technical proposal evaluation complete</td>
<td>April, 2016</td>
</tr>
<tr>
<td>Pricing /Final technical proposals due</td>
<td>April, 2016</td>
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<tr>
<td>Notice of intent to award</td>
<td>May, 2016</td>
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</tbody>
</table>
# SOQ Submittal Requirements: Schedule D

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Letter of Submittal</td>
</tr>
<tr>
<td>2</td>
<td>General Qualifications</td>
</tr>
<tr>
<td>3</td>
<td>Bored Tunnel Qualifications</td>
</tr>
<tr>
<td>4</td>
<td>Immersed Tube Tunnel Qualifications</td>
</tr>
<tr>
<td>5</td>
<td>Required Forms, Letters and Certifications</td>
</tr>
<tr>
<td>6</td>
<td>Summary Sheet of Confidential or Proprietary Information</td>
</tr>
</tbody>
</table>
Pass/Fail Criteria

- Letter of Submittal (Section 4.2)
- Executive Summary – publicly posted
  - Identify role of each team member
  - Summary of general qualifications
  - Summary of tunnel qualifications
- Not Debarred from working in the U.S. or any Virginia government agency
- Ability to bond $400m in Performance Bonds
- Ability to bond $400m in Payment Bonds
- Required Certifications
- Existence for a minimum of 10 years
## Scoring

<table>
<thead>
<tr>
<th>Bored Tunnel Method</th>
<th>Immersed Tube Tunnel</th>
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</thead>
<tbody>
<tr>
<td>Section 2 - General Qualifications</td>
<td>Section 2 - General Qualifications</td>
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<td>50 points</td>
<td>50 points</td>
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<tr>
<td>Section 3 - Bored Tunnel Qualifications</td>
<td>Section 4 - Immersed Tube Tunnel Qualifications</td>
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<td><strong>Total Score:</strong> 100 points maximum</td>
<td><strong>Total Score:</strong> 100 points maximum</td>
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- Evaluation and scoring will be conducted independently for each tunneling method.
- The highest score, **regardless of method**, for an Offeror will be used to determine the short-list.
- Teams can submit qualifications for both methods.
- Up to FOUR teams will be shortlisted.
- Teams that are qualified for both methods will only be allowed to submit one Technical and Price Proposal.
General Qualifications (50 pts)

- **Project Experience (15 pts)**
  - 3 to 6 projects
  - $>500m
  - Demonstrate ability to complete large design-build projects

- **Understanding of the Project (10 pts) - General**
  - Max. 15 pages
  - Design Development
  - Communication and Coordination - Overall Project Management
  - Overall project - trestles, islands, etc., excluding tunnel element
General Qualifications (cont’d)

- **Key Personnel (5 pts)**
  - Quality Manager
  - Safety Manager
  - Environmental Manager
  - Lead Mechanical Engineer

- **Ability to deliver innovation (5 pts)**
  - Demonstrate ability to add value for the District
  - Demonstrate state-of-the-art capability
General Qualifications (cont’d)

• Quality Management and Project Controls (5 pts)
  o Approach to quality management
  o Description of project controls

• Safety Record (5 pts) – provide Experience Modification Rate (EMR)

• Financial Capacity (5 pts) – financial statements
Bored Tunnel Qualifications (50 pts)

• Bored Tunnel Project Experience (15 pts)
  o 2 Projects of Similar scope

• Organizational structure (10 pts)

• Key Personnel (15 pts)
  o Design Build Project Manager
  o Construction Manager
  o Design Manager (VA PE at Technical Proposal)
  o Lead Tunnel Engineer (VA PE at Technical Proposal)
  o Geotechnical Manager

• Risk Management Approach (10 pts)
  o Acquisition, installation and operation of the TBM
  o Furnishing and installing the initial and permanent tunnel support lining
  o Disposal of the excavated material
  o To be determined (TBD) by DB
  o TBD by DB
Immersed Tube Tunnel Qualifications (50 pts)

- **Immersed Tube Tunnel Project Experience (15 pts)**
  - 2 projects of similar scope

- **Organizational Structure (10 pts)**

- **Key Personnel (15 pts)**
  - Design Build Project Manager
  - Construction Manager
  - Design Manager (VA PE at Technical Proposal)
  - Lead Tunnel Engineer (VA PE at Technical Proposal)
  - Geotechnical Manager

- **Risk Management Approach (10 pts)**
  - Dredging of the Trench
  - Fabrication, shipping and installation of the shell elements
  - Navigation risk
  - To be determined (TBD) by DB
  - TBD by DB
SOQ Checklist

- ATTACHMENT D
  - Letter of Submittal (Pass/Fail)
  - General Qualifications
  - Bored Tunnel Qualifications (if applicable)
  - Immersed Tube Tunnel Qualifications (if applicable)
  - Forms, Letters and Certifications
  - Summary Sheet of Confidential or Proprietary Information
Point of Contact

- All communications:
  Mr. Robert Johnson
  Director of Maintenance/Director of Parallel Thimble Shoal Tunnel Project
  Chesapeake Bay Bridge-Tunnel
  32386 Lankford Highway
  Cape Charles, VA 23310
  Phone: 757-331-2960
  Fax: 757-331-4565
  Email: rjohnson@cbbt.com
RFQ Timeline

- Deadline to submit RFQ questions - **Friday, June 5, 2015 at 2 PM**
  - All questions and requests for clarification shall be submitted in writing to the following:

    Mr. Robert Johnson  
    Director of Maintenance/Director of Parallel Thimble Shoal Tunnel Project  
    Chesapeake Bay Bridge-Tunnel  
    32386 Lankford Highway  
    Cape Charles, VA  23310  
    Email: rjohnson@cbbt.com

  - No oral requests for information will be accepted.

  - Any questions or clarifications requested after **Friday, June 5, 2015 at 2 p.m.** will not be answered unless the District elects, in its sole discretion, to do so.
RFQ Timeline

• District response to all RFQ questions – **Friday, June 19, 2015**
  o Any revisions to the RFQ in response to questions or requests for clarifications will be accomplished by an Addendum to the RFQ.
  o The District will not be bound by any oral communications, or written interpretations or clarifications that are not issued in writing or set forth in an Addendum.

• Addenda will be shared via:
  o CBBT website: [http://www.cbbt.com/rfp.html](http://www.cbbt.com/rfp.html)
  o Project Connect
  o Department of General Services central procurement website

• Addenda must be acknowledged, using Attachment C, and submitted with the SOQ
SOQ Submission

- SOQs due **Monday, July 6, 2015 by 4 pm (EST)**
- Express Delivery not guaranteed
  - Overnight delivery services such as UPS and FedEx, including Priority Mail, do **NOT** guarantee delivery to the lower Eastern Shore (Cape Charles area) by 4:00 p.m.
  - Use of these services to deliver a SOQ may result in delivery to the District AFTER the submittal deadline and the SOQ being returned to sender unopened.
- Prior weekend is July 4th Weekend
Project Risk Mitigation Summary

**Political/Public Policy**
- Strong Political Support
- Strong Public Support
- NIMBY Stakeholder Risk Eliminated

**Environmental**
- NEPA Risk Mitigated with EA and oversized Area of Impact
- Agency Permit Risk Mitigated with Extensive Partnering Meetings
- Dredged Material Placement mitigated with Section 103 Concurrence coordination

**Technical**
- Right of Way Acquisition Eliminated
- Large Scale Utility Relocation Risk Eliminated
- Owner Aggressive Schedule Risk Eliminated
- Ground Risk Mitigated with Extensive GDR/Draft GBR

**Finance**
- Revenue Realization/Tolling Risk Eliminated
- Finance Risk Mitigated and Accepted by District
- Conservative, Diversified Plan of Finance