Route 7 Widening and Bridge Rehabilitation Over Dulles Toll Road and Airport Access Highway RFQ Information Meeting

May 23, 2014
Arif Rahman, PE – Project Manager
Steve Kindy, PE – APD Project Manager and POC
Introduction

• Project Overview
• RFQ Information Package
• RFQ Summary
• Questions / Answers
Project Location

Tyco Road

Route-267 (Dulles Airport Toll Road)

I-495

Route-7 (Leesburg Pike)

Jarred Valley Dr.

Project Site

Project Limits

Project Overview

• Structure & Bridge
• Survey
• Environmental
• Geotechnical
• Hydraulics
• Traffic Control Devices
• Transportation Management Plan
• Utility Relocations, Adjustments and Coordination
Project Overview

(Section 2.0)

- **Route 7 Widening and Bridge Rehabilitation over Dulles Toll Road and Airport Access Highway**
  - Project limits:
    - From: 0.564 Miles West of Tyco Road
    - To: 0.134 Miles West of Tyco Road

- **Route 7 Improvements:**
  - Bridge improvements:
    - Replace superstructure and widen to a total of 149 feet
    - Replace abutments
    - Raise superstructure
Project Overview (Section 2.0)

- Intersection improvements:
  - Widen to a 6 lane facility
  - Add shared use paths
  - Adjust ramps for Route 7 widening
  - 8 Pedestrian underpasses & 1 at-grade crossing
Project Overview

(Section 2.0)

• Route 7 Widening and Bridge Rehabilitation Over Dulles Toll Road and Airport Access Highway
Project Overview

(Section 2.0)

- Route 7 Widening and Bridge Rehabilitation Over Dulles Toll Road and Airport Access Highway
Project Overview

(Section 2.0)

- Route 7 Widening and Bridge Rehabilitation Over Dulles Toll Road and Airport Access Highway
Project Scope

- Replace Bridge Over Dulles Airport Toll Road
- Widening of Route-7 from 2 to 3 Lanes
- Shared Use path (Underpass)
- Potential Noise Wall
- SWM & Drainage
- Right of Way Acquisition
- Utility Relocations
- Erosion & Sediment Control
- Signals
- Transportation Management Plan (Construction Stages & Traffic Control Mitigation)
General Information

- Route 7 - Urban Principal Arterial
- Two Bridges Over Dulles Airport Toll Road (DATR) – Built 1961
- Existing bridges are steel multi-beam girder concrete deck
- VDOT inspects and monitors the bridge
  - Presently classified as WB Bridge Structurally Deficient
  - Sufficiency Rating is 55.6 (WB) and 62.1 (EB) out of 100
Physical Condition of the Bridges Over DATR

- Cracking and Delaminated area in pier and girder end
- Crack with Efflorescence in beam side overhang
- Open Utility
OVERALL CONDITION – FAIR

- Sub-standard bridge rail and approach guardrails
- Adhesion failure and edge spalls along expansion joint
- Cracks, spalls, and delaminated areas in substructures
- Surface rust, rust swells & pitting on bearings and girders
- Cracks and delaminated areas in wearing surface and curbs
- One utility boxes and broken conduits with exposed wires.
In 1993,
- WB Deck was repaired by VDOT
- WMAA cleaned and painted all steel and repair slope protection

2011 Structural Assessment
- Deck Condition Deteriorate
- Structurally Deficient
- Sufficiency Rating is 55.6 out of 100

In 1981,
- WB Deck was repaired by VDOT
- Patched exposed steel

2011 Structural Assessment
- Deck Condition Deteriorate
- Not Structurally Deficient
- Sufficiency Rating is 62.1 out of 100
Existing Bridge Plan
Existing Bridge

Looking WB Dulles Airport Toll Road
Existing & Proposed Bridge and Underpass Typical
Replace and Widening Existing Bridge Decks

Edges of Proposed Bridge

Existing Bridges
Adjacent & Overlapping Projects

- Existing Route 7 VDOT Project – UPC 52328
- Dulles Rail Phase 1
- Fairfax County Planning – Tysons Dulles Toll Road Ramp Study
North/West side of Route 7 Bridge over DATR

Route 7 (Westbound)

Route 7 (Eastbound)

Lane drop at ramp

Three through lanes East Bound after Jarrett Valley Dr.
South/East side of Route 7 Bridge over DATR

- Route 7 (Westbound)
- Route 7 (Eastbound)
- Lane drop at ramp
- Ramp from East Bound Dulles Toll Road to Westbound Route 7 is still a STOP condition
- Three through lanes East under Silver Line
- Silver Line
- Lane drop at ramp
- Route 7 (Eastbound)
This project replaces the existing abutments with full height abutment walls to accommodate the future CD Roads for the Tysons Ramp project.
Shared Use Path

Shared Use Path Option – Underpass

• Connectivity with existing and proposed SUP on future Route 7 widening project from Jarred Valley to Reston Pkwy
• Connectivity to Metro Station Access
SUP–Underpass
Looking Toward the Direction of the Dulles Airport
SUP Option–Underpass

Section Looking East
SUP – Underpass
Spring Hill Metro Station Access At Tyco Road
Potential Noise Wall
Project Website

Route 7 over Dulles Airport Toll Road

Route_7_Final_02.wmv
CII/SSI form
Project Overview (RFQ Section 2.0)

- Public Involvement / Relations
- Quality Assurance and Quality Control
- Construction Engineering and Inspection
- Overall Project Management
RFQ Information Package

- Includes all Items listed in Section 2.8
- Available through purchase of a CD obtained through VDOT Scheduling and Contract Division (Order Form Attachment 2.8)

Important Considerations
- Information Purposes only
- Subject to Change (updated regulations, specifications, conditions etc.)
RFQ Summary

• **VDOT POC**
  Stephen D. Kindy, P.E.
  Alternate Project Delivery Office
  1401 East Broad Street
  Richmond, Virginia 23219
  Phone:  (804) 786-6016
  Fax:     (804) 786-7221
  E-mail:  stephen.kindy@vdot.virginia.gov

• **Two-Phase Low Bid Procurement**

• **Short-List 3 Highest Ranked Teams**

• **Anticipated Scope of Work Outlined Section 2.2**

• **Estimated Contract Value: $29,700,000**
# Request for Qualifications (RFQ)

## Anticipated Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>RFQ Questions to VDOT</td>
<td>05/29/14</td>
</tr>
<tr>
<td>VDOT Response to Questions</td>
<td>06/05/14</td>
</tr>
<tr>
<td><strong>Statement of Qualifications Due Date</strong></td>
<td><strong>06/19/14</strong></td>
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<tr>
<td>Notification of Shortlist</td>
<td>08/07/14</td>
</tr>
<tr>
<td>RFP Release Date</td>
<td>08/21/14</td>
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<tr>
<td>Letter of Submittal Due</td>
<td>10/23/14</td>
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<tr>
<td>Price Proposals Due</td>
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<tr>
<td>Anticipated Award Date</td>
<td>12/03/14</td>
</tr>
<tr>
<td>Anticipated Final Completion Date</td>
<td>06/01/17</td>
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</tbody>
</table>
• Watch VDOT’s Design-Build RFQ website for responses to RFQ questions and Addendums [http://www.virginiadot.org/business/request-for-qualifications.asp]

• If VDOT issues an addendum, a revised C-78 form will be included with the addendum

• Sign, date and include the C-78 with Statement of Qualifications
Contents of Statements of Qualifications (SOQ)

- **Letter of Submittal** (Section 3.2)
  - POC, Prequalification, Debarment, Surety, SCC, DPOR
  - 8% DBE Goal
- **Offeror’s Team Structure** (Section 3.3)
  - Key Personnel
  - Org Chart and Narrative
  - Clear separation between QA and QC programs for construction activities
- **Experience of Offeror’s Team** (Section 3.4)
  - Lead Contractor Work History Form
  - Lead Designer Work History Form
- **Project Risks** (Section 3.5)
  - Identify 3 Critical Project Risks
Evaluation Criteria (Section 4)

- Offeror’s Team Structure: 20%
- Experience of Offeror’s Team: 40%
- Project Risks: 40%
- Total: 100%

Scoring Range Application:
- Numerical score based on a 1-10 scale
- Evaluation Criteria included for each submittal requirement

Design-Build Evaluation Guidelines, October 2011 (On VDOT’S DB Website)
Submittal Requirements  (Section 5.0)

• Deadline for submitting a Statement of Qualifications is June 19, 2014 at 4:00PM

• 1 original paper version with original signatures

• 1 CD-ROM with entire SOQ

• 8 abbreviated paper copies

• Statements of Qualifications shall be:
  • Securely bound
  • No more than 15 pages
  • Typed on one-side only
  • Separated by numbered tabs
  • Original shall include all required documentation
  • Written in Times New Roman with a 12 point font
  • Prepared on 8.5” x 11” white paper
RFQ Questions (Section 6.0)

• All questions and request for clarifications shall be submitted in writing.
• Deadline for submitting questions is May 29, 2014.
• Responses will be posted on VDOT’s RFQ website by June 5, 2014.
Conflict of Interest (Section 11.2)

- The following firms have been determined to have a conflict of interest:
  - Parsons Brinkerhoff
  - GeoConcepts Engineering, Inc.
• Each Offeror shall identify potential conflicts of interest. Offerors are on notice that prior or existing contractual obligations between a company and a federal or state agency relative to the Project or VDOT’s Design-Build program may present a conflict of interest or a competitive advantage. If a potential conflict of interest or competitive advantage is identified, the Offeror shall submit in writing the pertinent information to VDOT’s POC.
Questions ?