Replacement of I-81 Structures 18942 & 18944 over Route 808 (Halls Bottom Rd.) and Sinking Creek

Washington County, Virginia

State Project No.: 0081-095-038

Contract ID No.: C00107116DB85
Topics

• Project Location
• Project Objectives
• Project Overview
• RFQ Summary
• Questions / Answers
Project Location

- Located near I-81 Mile Marker 11 between Bristol and Abingdon
Project Objectives

- Replace existing deteriorated bridges
- Maintain 2 lanes of traffic in each direction of I-81 during construction
- Construction within the existing right-of-way
- **Include Special design elements to** accommodate future expansion/widening
- Avoiding impacts to other existing facilities
- Incorporate context sensitive design where appropriate
Project Overview

Interstate 81 –

Functional Classification: Interstate
Present ADT: (2012) 46,066
Design Year ADT: (2041) 72,000
Design Hourly Volume: 7,200
Directional Distribution: 50/50
Truck Percentage: 22%
  (Class 4-5): 1%
  (Class 6-7): 2%
  (Class 8-15): 19%

Halls Bottom Road –
Existing ADT: (2008) 1,400
Year built - 1963
Four 54’ simple spans per bridge
30 degree +/- skew
Two 12’ lanes in each direction with 3’ shoulders

Structurally Deficient (SD)
Inspection ratings
Deck: 4 (Poor)
Superstructure: 5 (Fair)
Substructure: 5 (Fair)
Sufficiency rating = 60.4 & 61.1
EXISTING BRIDGES
Each side of I-81 has an independent horizontal alignment – converging at this project location

- Reduced median width
- Independent vertical profiles
- Posted speed limit 70 MPH
RFQ Conceptual Plans

- 2- 12ft Lanes in each direction with 14 ft inside and 14 ft outside shoulder
- Maintain 26 ft vertical clearance over Halls Bottom Road and Sinking Creek
- Minimal approach roadway work to tie in new bridges
Existing abutments supported by steel H-piles bearing on rock
Existing piers supported by spread footings bearing on rock

Subsurface investigation complete – GDR included in RFQ
Information Package
ENVIRONMENTAL

NEPA Complete – PCE included in RFQ information Package

Threatened or Endangered Species –
  • Aquatic Species – no known concerns
  • Indiana Bat and Gray Bat – potential habitat, screening required during final design

Cultural Resources – None
Major Scope of Work Items

- Design & Construction Services
- Survey
- Environmental
- Geotechnical
- Hydraulics
- Transportation Management Plan
- Utility Relocations, Adjustments and Coordination
- Public Relations
- Quality Assurance and Quality Control
- Overall Project Management
RFQ Summary

• VDOT POC
  Suril Shah
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• Two-Phase Low Bid Procurement

• Short-List 3 Highest Ranked Teams

• Estimated Contract Value - $13,000,000
Anticipated Schedule (Section 2.5)

- RFQ Questions to VDOT: 10/15/2015
- VDOT Response to Questions: 10/23/2015
- SOQ Submission Date: 11/09/2015
- Notification of Shortlist: 12/14/2015
- Anticipated RFP Release Date: 12/21/2015
- Anticipated Award Date: 04/20/2016
- Final Completion: 09/04/2018
RFQ Information Package (Section 2.8)

- RFQ Conceptual Plans
- As Built Plans for the Existing Structures
- PM 100 Scoping Document
- Programmatic Categorical Exclusion
- Geotechnical Data Report
- Existing Survey
- Willingness to Post Approval
• Monitor 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 SOQ
Contents of Statements of Qualifications (SOQ)

• **Letter of Submittal**  
  ✓ POC & Principal Officer, Corporate Structure, Lead Contractor and Lead Designer, Surety, Evidence of Prequalification, SCC & DPOR information, etc.  
  ✓ Commitment to achieving a 2% DBE participation goal  

• **Offeror’s Team Structure**  
  ✓ Key Personnel  
    • Design Build Project Manager  
    • Quality Assurance Manager  
    • Design Manager  
    • Construction Manager  
  ✓ Organizational Chart and Narrative  
  ✓ Clear separation between QA and QC staff
Contents of Statements of Qualifications (SOQ)

• **Experience of Offeror’s Team**  (Section 3.4)
  ✓ Lead Contractor Work History Form
  ✓ Lead Designer Work History Form

Format and Appearance of the Key Personnel Resume Form and Work History Forms Should not be modified  (Section 5.2.2)

The team proposed by the Offeror shall remain intact throughout the procurement process and, if awarded the contract, the duration of the contract.  (Section 11.1)

• **Project Risks**  (Section 3.5)
  ✓ Identify 3 Critical Project Risks
    • Why is the risk critical?
    • What is the potential impact?
    • Mitigation strategies?
    • VDOT’s role?
Evaluation Criteria (Section 4)

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

Total 100%

- Design Build Evaluation Guidelines, Revised May 2014
  (On VDOT’S DB Website)

Submittal Requirements (Section 5)

- Deadline for submitting a Statement of Qualifications is November 9, 2015 at 4:00PM
- 1 original paper version with original signatures
- 1 CD-ROM with entire SOQ
- 7 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)

• All questions and request for clarifications shall be submitted in writing to the VDOT POC.

• Deadline for submittal is October 15, 2015

• Responses will be posted by October 23, 2015
Conflict of Interest  (Section 11.2)

- The following firms have been determined to have a conflict of interest:
  - McDonough Bolyard Peck (MBP)

- Each Offeror shall identify potential conflicts of interest.
  - See Alternate Project Delivery Office Memorandum IIM-APD-2 dated December 27, 2012

- If a potential conflict of interest or competitive advantage is identified, the Offeror shall submit in writing the pertinent information to VDOT’s POC.