Civil & Environmental Engineering Visiting Council
Fall 2009 Seminar

November 19, 2009
Kerry A. Bates, P.E.
Assistant Director, Innovative Project Delivery Division
Route 713 Bridge – Giles County
AGENDA

• Innovative Project Delivery Division
• Professional Services Program
• Design-Build Program
Innovative Project Delivery Division

Focus Areas:
• Consultant Procurement Program
• Public-Private Program (PPTA)
• Design-Build Program

Staff:
• **Director: Thomas W. Pelnik, Ill, P.E.**
  – Assistant Director: Shailendra G. Patel, P.E. (Consultant Program)
  – Assistant Director: Dusty L. Holcombe (PPTA Program)
  – Assistant Director: Kerry A. Bates, P.E. (Design-Build Program)
  – 9 Program/Project Managers
• **VDOT Website:**
### SUMMARY OF CONTRACTS UNDERWAY (November 2009)

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of Contracts</th>
<th>Total Value in Millions</th>
<th>Remaining Balance in Millions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>171</td>
<td>$947+</td>
<td>$325+</td>
</tr>
<tr>
<td>Inspection</td>
<td>59</td>
<td>$296+</td>
<td>$127+</td>
</tr>
<tr>
<td>Survey</td>
<td>2</td>
<td>$9+</td>
<td>$6+</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>232</strong></td>
<td><strong>$1,252+</strong></td>
<td><strong>$458+</strong></td>
</tr>
</tbody>
</table>
Professional Services Programs

Contract Awards CY 2009
• 23 Contracts – Approximate Value: $52M+

Available Term Contracts Capacity
• Approximate Value: $277M+

Upcoming Consultant Contracts
• Renewable CEI Term Contracts – Approximate Value: 6M+
• Project Specific CEI Contracts – Approximate Construction Cost: $145M+
• For Detailed Information, Visit VDOT Website: http://www.virginiadot.org/business/ipd_upcoming_consultant_contracts.asp
Upcoming Workload - Scheduling & Contract Division

- Consultant Engineering Contracts

1. Bristol District CEI – Contract 2
   - Estimated value $2M per term renewable for additional two one-year terms

2. NOVA District Route 50/Courthouse Road Interchange
   Improvements CEI Services (0050-000-V18, C501, B611, B612)
   - Estimated Construction Value $25M
Upcoming Workload - Scheduling & Contract Division

• Consultant Engineering Contracts

  3. Bristol District 460 Connector Phase I – CEI Services (0460-013-120, B621, B622, B625, B626)
    • Estimated Construction Value $90M

  4. Bristol District Wide CEI – Contract 3
    • Estimated value $2M per term renewable for additional two one-year terms
Upcoming Workload - Scheduling & Contract Division

• Consultant Engineering Contracts

  5. Lynchburg District Wide CEI Contract 2
      • Estimated Value $2M per term renewable for additional two one-year terms

  6. Salem District Rte 221 Project Specific CEI Services (0221-080-108, C502) Roanoke County
      • Estimated Construction Value $30M
Need for Outside Services

• Expedited Schedule
• Limited Resources
• Fluctuating Workload
• Project Requiring Specialized Knowledge and Expertise
• Emergency Work
• Need to Obtain Broader Perspective or Objective Opinion on Critical or Sensitive Issues
• Economical and Expeditious to Use Application Developed by the Private Sector
Consultant Selection

- The Brooks Act, named for the former Congressman Jack Brooks, is the 1972 law that established quality-based-selection (QBS) as the procurement process to select architects and engineers for design contracts with the federal government.

- Under the act, A/E contracts are negotiated and awarded on the basis of demonstrated competence and qualifications, as opposed to the lowest bid.
Other Federal Requirements

- Title VI requirements
- Disadvantage Business Enterprise (DBE) Program
- Federal Immigration Reform and Control Act of 1986
- Requires a pre-award audit, to include a Federal Acquisition Regulation audit (FAR), prior to award for consultant services valued over $50,000.
State Requirements

• Competitive Negotiations (VPPA)
• Debarment Certification
• Small, Woman-Owned and Minority Owned Business Program
• Licensed to Conduct Business in Commonwealth of Virginia (Registered with SCC)
• Main and Branch Offices Must be Registered with the Department of Professional and Occupational Regulation (DPOR)
• Licensed Virginia PE in Charge of Design
VDOT Policy

• 2009 Manual for the Procurement & Management of Professional Services

• The Manual is available on VDOT website: http://www.virginiadot.org/business/gpmps.asp
Route 609 Bridge Replacement
Design-Build Program Snapshot

Completed Projects: 5 Projects - Value: $28M

Under Contract: 16 Projects - Value: $293M

Active Procurements: 7 Projects - Value: $260M

Candidate Projects: 6 Projects - Value: $158M

* November 2009
Design-Build Program: Active Procurements

1. I-81 Truck Climbing Lanes – Salem District
   - **County**: Montgomery
   - **Estimated Contract Value**: $83M
   - **UPC**: 84117
   - **Narrative**: To improve safety in mountainous area with slow moving trucks on 2 lane Interstate I-81 by adding 1 truck climbing lane I-81SB beginning near MM120 to approximately MM125 along with full width shoulders.
   - **Stage**: SOQ Shortlisting

2. Route 27/244 Interchange – Northern Virginia District
   - **County**: Arlington
   - **Estimated Contract Value**: $40M
   - **UPC**: 13528
   - **Narrative**: Replace Bridge on Washington Boulevard with interchange improvements as needed.
   - **Stage**: RFP Released to Shortlisted Teams
Design-Build Program: Active Procurements

3. Route 29 Bridge Replacement – Lynchburg District
   - **County**: Ahmerst
   - **Estimated Contract Value**: $9M
   - **UPC**: 76552
   - **Narrative**: Replacement of structurally deficient bridge and approaches on Route 29 over the Tye River
   - **Stage**: RFP Advertised (Single-Phase Low-Bid)

4. Route 36 BRAC – Richmond District
   - **County**: Prince George
   - **Estimated Contract Value**: $8M
   - **UPC**: 76552
   - **Narrative**: Improve LOS and safety by increasing capacity. Construct split intersection that provides dual LTL on Route 36 EB with a new signal, add through lanes on Route 36 EB, construct RTL at 6th Avenue and Route 630, replace/modify existing signals within the project limits, and sidewalks at Route 36/Route 630 intersection.
   - **Stage**: SOQ Shortlisting
5. Route 50 Widening – Northern Virginia District
   • **County:** Fairfax
   • **Estimated Contract Value:** $52M
   • **UPC:** 68757
   • **Narrative:** Widen Route 50 to 6 lanes from Sully Road to Poland Road.
   • **Stage:** RFP Released to Shortlisted Teams

6. Route 61 Bridge Replacement – Salem District
   • **County:** Narrows
   • **Estimated Contract Value:** $18M
   • **UPC:** 93413
   • **Narrative:** Replace Route 61 Bridge over New River/NSRR/Route 460
   • **Stage:** SOQ Shortlisting
Design-Build Program: Candidate Projects

1. Pacific Boulevard Widening (ARRA) – Northern Virginia District
   • **County:** Loudoun
   • **Contract Value:** $5M
   • **UPC:** 93889
   • **Narrative:** Widen Route 1036 from to 4 lanes
   • **Type:** Single-Phase Low-Bid RFP
   • **Schedule:** RFP Advertisement – February 2010

2. Waxpool Road / Loudoun County Parkway Intersection Improvements (ARRA) - Northern Virginia District
   • **County:** Loudoun
   • **Contract Value:** $5M
   • **UPC:** 94639
   • **Narrative:** Turn lane & signal modifications
   • **Type:** Single-Phase Low-Bid RFP
   • **Schedule:** RFP Advertisement – February 2010
Design-Build Program: Candidate Projects

3. Middle Ground Boulevard – Hampton Roads District
   - **County:** Newport News
   - **Contract Value:** $62M
   - **UPC:** 11816
   - **Narrative:** Construction of a 4 lane divided roadway, crossing CSX RR
   - **Type:** Two-Phase
   - **Schedule:** RFQ Advertisement – 1st Quarter 2010

4. Meadowville Road / I-295 Interchange – Richmond District
   - **County:** Chesterfield
   - **Contract Value:** $15M
   - **UPC:** 70550
   - **Narrative:** Construct Interchange
   - **Type:** Single-Phase Low-Bid RFP
   - **Schedule:** RFP Advertisement – 2nd Quarter 2010
5. **Clifton Forge Bridge – Staunton District**
   - **Town:** Clifton Forge
   - **Contract Value:** $9M
   - **UPC:** 17831
   - **Narrative:** Bridge replacement
   - **Type:** Two-Phase
   - **Schedule:** RFQ Advertisement – 2nd Quarter 2010

6. **I-581 / Elm Avenue Interchange – Salem District**
   - **City:** Roanoke
   - **Contract Value:** $25M
   - **UPC:** 80518
   - **Narrative:** Interchange Improvements and Bridge Replacements
   - **Type:** TBD
   - **Schedule:** TBD
Battlefield Parkway – Leesburg
QUESTIONS?

http://www.virginiadot.org/business/bu-ipd.asp

Email: kerry.bates@vdot.virginia.gov

Kerry A. Bates, P.E.
Assistant Director, Innovative Project Delivery Division
February 26, 2009