Route 7 Corridor Improvements Project
Technical Meeting – Utterback Store Road Area
0007-029-128, PE-102
UPC 52328

February 24-25, 2015
Agenda

- Opening Remarks
- VDOT Project Development Process
- Public Information Meeting Design Layout June 24, 2014
- Access Management
- Updated Design Layout
- Alternative Access to Signal at Utterback Store Road
- Questions
Project Development Process

**Scoping Phase**
- **USIF**
- **P.E. AUTHORIZED**
  - ERP
  - Permit Determination
  - Sponsor-Driven Initial Scoping Mtg.
  - Environmental Documents
  - Survey
  - CSS Analysis, Stakeholder Identification and Outreach
- **Delivery Method** (DBB, DB, PFTA)
- **Set Line and Grade** Bridge Typical Section, etc.

**Preliminary Design Phase**
- **Roadway Structure and Bridge TC/DITS Landscaping Materials**
- **Draft Environmental Document**
- **Concrete and Work Zone Review**
- **Value Engineering**

**Detailed Design Phase**
- **Final Environmental Document**
- **Utility Design**
- **Utility Field Inspection**
- **Field Inspection Meeting**
- **Authorize ROW (Total Takes)**
- **Constructability and Work Zone Review**

**Final Design & ROW Acquisition Phase**
- **Final Scope/ PFI Meeting**
- **Prepare Final ROW Plans**
- **Prepare ROW Plans**
- **ROW and Utility Impacts**
- **Value Engineering**

**Advertise Plans**
- **PAC**
- **Environmental and ROW Certificate**
- **Permits**
- **Biddability Review**

**ACRONYMS**
- CSS - Context Sensitive Solutions
- DBS - Design Build
- DES - Design, Build, and System
- ERP - Environmental Review Process
- E&S - Erosion and Sediment Control
- ITS - Intelligent Transportation Systems
- MOT - Maintenance of Traffic
- PAC - Pre-Advertisement Conference
- PE - Preliminary Engineering
- PFI - Preliminary Field Inspection
- PFTA - Public Private Transportation Act
- PS&E - Plans, Specifications & Estimates
- ROW - Right of Way
- TCO - Traffic Control Device
- TMP - Traffic Management Plans
- USDIP - Unified Six-Year Improvement Program

**LEGEND**
- **S** - State Required
- **F** - Federal Required
- **S/F** - Federal / State Required

**Project Management Policy**

**CODE REQUIREMENTS**
For Applicable State and Federal Code regulations please click on box indicated with S, F or S/F
Public Information Meeting Design Layout
June 24, 2014

Proposed Assisted Living Facility
Public Information Meeting Design Layout
June 24, 2014
Access Management
Conflicts

(and don’t forget pedestrian and bicycle movements too!)

Source: FHWA
Why Access Management

% of Driveway Crashes by Movement

The majority of access-related crashes involve Left Turns (63%)

Source: FHWA
Access Management

Vehicular and Pedestrian Safety

- Eliminate unsignalized full access intersections
- Reduce conflict points
- Promote safety
- Improve traffic flow along Route 7
Median U-Turn
## Minimum Spacing Standards for Commercial Entrances, Intersections, and Median Crossovers

<table>
<thead>
<tr>
<th>Highway Functional Classification</th>
<th>Minimum Centerline to Centerline Spacing (Distance) in Feet</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Spacing from Signalized Intersections &amp; Full Median Crossovers to Other Signalized Intersections</td>
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<tr>
<td></td>
<td>(Distance) in Feet</td>
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<td>---------------------------------</td>
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<tr>
<td><strong>Principal Arterial</strong></td>
<td></td>
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<tr>
<td>≤ 30 mph</td>
<td>1,050</td>
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<tr>
<td>35 to 45 mph</td>
<td><strong>1,320</strong></td>
</tr>
<tr>
<td>≥ 50 mph</td>
<td><strong>2,640</strong></td>
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<tr>
<td><strong>Minor Arterial</strong></td>
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<tr>
<td>≤ 30 mph</td>
<td>880</td>
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<tr>
<td>35 to 45 mph</td>
<td>1,050</td>
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<tr>
<td>≥ 50 mph</td>
<td>1,320</td>
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<tr>
<td><strong>Collector</strong></td>
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<tr>
<td>≤ 30 mph</td>
<td>660</td>
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</table>
Updated Design Layout Incorporating Access Management
Alternative Access to Signal at Utterback Store Road
QUESTIONS?