Evergreen Mills Road and Watson Road: Corridor Road Safety Audits

Status Briefing

April 10, 2018
**Agenda**

1. Improvements implemented by VDOT
2. Study activities completed and underway
3. Community outreach
4. Near-term next steps

**Path to study completion**
1. Improvements Implemented by VDOT since Fall 2017

Evergreen Mills Road & Watson Road Intersection:
- New warning signs and battery operated flashing beacons
- High-friction surface treatment
- Relocated stop bar on Watson Rd
- Tree trimming for improved sight lines
- Longitudinal rumble strips on Evergreen Mills Rd

Upcoming:
- Watson Road paving
- Intersection Collision Warning System (pending funding)
- Adjusting three passing zones on Evergreen Mills Road
2. Study Activities Completed & Underway

Pole-Mounted Speed Display (PMSD) signs

• Reviewed data to identify locations
• Coordinated with VDOT for locations
• Conduit in foundations to accommodate future improvements
• Prepared Request for Quote

Examples per VDOT Policy
2. Study Activities Completed

Data Collection

- Traffic counts
- Travel speeds
- Ongoing & upcoming projects & developments
- Crashes
- Geolocated video

100% complete
2. Study Activities Underway

Analysis

- Corridor crash trends
- Hot spot identification
- Systemic safety analysis
- Preparing for field Road Safety Audit (RSA)

<table>
<thead>
<tr>
<th>Crash Severity</th>
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<tbody>
<tr>
<td>Fatal Injury</td>
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<tr>
<td>Ambulatory Injury</td>
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<tr>
<td>Visible Injury</td>
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<tr>
<td>Non-Visible Injury</td>
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<td>Property Damage Only</td>
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<table>
<thead>
<tr>
<th>Types of Collision</th>
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<tbody>
<tr>
<td>Angle</td>
</tr>
<tr>
<td>Head On</td>
</tr>
<tr>
<td>Rear-End</td>
</tr>
<tr>
<td>Sideswipe</td>
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<tr>
<td>Fixed Object</td>
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<tr>
<td>Animal</td>
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<td>Pedestrian</td>
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<tr>
<td>Non-Collision</td>
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<td>Other</td>
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80% complete
2. Study Activities Underway

Engineering Assessments

- Signal Control
- Turn Lanes
- Sight Distance
- Guardrail

75% complete
3. Community Outreach

- Monthly project updates on website
  https://www.loudoun.gov/route621
- Responding to citizen inquiries through project email address
  EMR@loudoun.gov
4. Near-Term Next Steps

- April 17: Present Safety-Related Findings to Technical Advisory Committee
- May 2-3: Field Road Safety Audit
- June 30: Complete Engineering Assessments
- July 19: Board of Supervisors Informational Presentation
Study Completion

- Complete safety countermeasure identification

- Meeting with TAC to present recommendations

- Develop cost estimates

- Refine and document recommendations

- Present recommendations to county leadership, Supervisors, and full Board
Open Discussion & Questions