State Highway 53 Improvements
(From just west of County Road NS-323 (Peach Tree Road), extending east 5.57 miles through I-35 Interchange, Carter County)

Public Meeting

December 8, 2015
State Highway 53 Improvements

Introductions

- ODOT
- Triad Design Group
- FHWA
• Purpose and Need for SH-53 Improvements

• 3 Alternatives Considered

• Preferred Alternative

• Public Input/Feedback
State Highway 53 Improvements

Existing Facility

- Two-Lane Facility
- Two 12-Ft. Lanes
- No Shoulders
- Annual Average Daily Traffic
  - Current (2015) = 1,600 Vehicles per Day
  - Projected (2035) = 2,300 Vehicles per Day
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Purpose and Need

- Improve Safety
  - 59 Collisions Recorded from 2004 through 2015
  - 154.2 Collisions per 100 Million Vehicle Miles (compared to statewide rate of 82.2)
  - Limited Sight Distance due to Substandard Vertical Alignment
  - Lacks Adequate Shoulders and Clear Zone
- Improve Facility to Meet Current Design Standards
  - Correct Substandard Vertical Alignment
  - Improve Clear Zone
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Project Extents

From just west of NS-323 (Peach Tree Road), extending east 5.57 miles through the I-35 Interchange
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Accidents, 2004 - 2015

ACCIDENT DATA LEGEND
- PROPERTY DAMAGE
- INJURY
- FATALITY
F = FIXED OBJECT
R = ROLL OVER
S = SIDESWIPES - OPPOSITE
H = HEAD ON
>= ANGLE TURNING

MATCH LINE
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Proposed Project

- Correct the Vertical Alignment
- Add Shoulders
- Improve Pavement Section
- Improve Side Slopes
- Establish Clear Zone
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Proposed Project – Typical Section

- Two 12-Ft. Lanes
- 8-Ft. Paved Shoulders
- 1:6 Foreslopes
- 8-Ft. Wide Ditches
- 1:3 Backslopes

- Establish Adequate Clear Zone (typically 28 feet minimum)
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Alternatives Considered

• Improvement on Existing Alignment
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Alternatives Considered

- Improvement on Existing Alignment
- Offset Alignment to the North
- Offset Alignment to the South
- Offset Alignment: Combination North and South
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Alternative 1: North Offset

OFFSET 65 FEET TO THE NORTH
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Alternative 2: South Offset

OFFSET 65 FEET TO THE SOUTH
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Alternative 3: Combination Offset North and South

OFFSET 65 FEET TO THE NORTH AND SOUTH
Crossing just west of County Road NS 325.8 (i.e., Walker Road)
Reconnaissance Performed to Identify Constraints

- Wetlands and Waters
- Threatened & Endangered Species Critical Habitat
- Archeological Sites and Historic Properties
- Aboveground or Underground Storage Tanks
- Oil/Gas Wells
- Residences
- Commercial Facilities
- Utilities
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Project Extents

From just west of NS-323 (Peach Tree Road), extending east 5.57 miles through the I-35 Interchange
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Wetlands and Waters
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Residences and Commercial Facilities
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Utilities
## State Highway 53 Improvements

### Comparison of Alternatives

<table>
<thead>
<tr>
<th>Comparison Parameters*</th>
<th>North Offset</th>
<th>South Offset</th>
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<tbody>
<tr>
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<td>Wetlands Impacts (ac.)</td>
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<td>Total Project Cost**</td>
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Noise Impacts Evaluation

- Noise Impacts Will Be Modeled for Receptors
- Noise Mitigation Unlikely
Alternative 3: Combination Offset North and South

- Disadvantage: Crosses Existing SH-53 Alignment
  - Requires Temporary Connection during Construction
  - Slightly Longer Construction Time

- Advantages:
  - No Residential Relocations
  - Less Wetlands/Waters Impacts than Alternative 1
  - Lower Total Project Cost than Alternative 2
  - Fewer Utility Conflicts than Alternative 2
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What Happens Next?

- Consider Comments from Public Meeting
- Complete Preliminary Design Report
- Begin Detailed Environmental Studies and Design Plans
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Roadway Improvement Process

- Complete Environmental Studies and Plans
- Acquire Right-of-Way (Year 2018)
- Relocate Utilities (Year 2018)
- Begin Construction (Year 2020)
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Submit Your Comments

- Leave Your Written Comments with Us Tonight.
- Download and Submit a Comment Form at: www.odot.org/public meetings
- Submit Your Written Comments by Mail to:
  Oklahoma Department of Transportation
  Environmental Programs Division
  200 N. E. 21st Street
  Oklahoma City, OK  73105
- Fax your written comments to:
  (405) 522-5193
- Email your comments to:
  Odot-environment@odot.org
- Please Submit Your Comments by December 23, 2015.
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Thank you!