WELCOME

Meeting For
US-281 Over the Washita River,
Caddo County

November 17, 2016
PURPOSE OF THIS MEETING

...is to Discuss the Need and Present the Proposed Alternatives for US-281 Over the Washita River and Overflows in Caddo County

Caddo County, Oklahoma
PURPOSE OF THE PROJECT

...is to Correct the At-Risk Bridge on US-281 Over the Washita River and the Structurally Deficient Overflow Bridges, and Improve Traffic Operations on the Roadway.
• Purpose of this Meeting is to Gather Public Input on Project Constraints and Alternatives
**PROJECT AREA INFORMATION**

- **General Data**
  - Speed Limit Varies From **35 mph to 65 mph**
  - 2-Lane Roadway (Closed and Open Section)
  - 3 Bridge Structure (Washita River and 2 Overflows)
  - Projected Traffic (2040): **10,890** Vehicles / Day

*Images:*
- Existing Curb and Gutter Section
- Existing Open Shoulder Section
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- **Collision Data**
  - Total: 57 Documented Accidents (2005-2016)
    - 34 Personal Property Damage
    - 22 Injuries (2 incapacitating)
    - 1 Fatality
  - **The Accident Rate on US-281 is Nearly Three Times the State Average** for Collisions on Similar Facilities
COLLISION DATA
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EXISTING CONDITIONS
WARRANT IMPROVEMENT

- **Roadway Deficiencies**
  - Narrow Shoulders
  - Roadway Geometry
    - Horizontal and Vertical Curves are Adequate
  - Limited Sight Distance at Kansas Avenue
  - Lack of Access Control at Washington Street
  - Lack of Pedestrian Access and Control
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Pedestrian Crossing Warning Sign Near Riverside Drive Intersection
Bridge Deficiencies
- Three Bridge Structures Constructed in 1958
  - Bridge A – US-281 Over Washita River
  - Bridge B – Washita River Overflow 1
  - Bridge C – Washita River Overflow 2
- Clear Roadway Width is 28 Feet
- Scourability and Restricted Channel Flow
- Bridges are “At-Risk” & “Structurally Deficient”
  - Deck, Superstructure and Substructure
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PROJECT AREA CONSTRAINTS
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- **Data Collection Area**
  - Encompassed all Alternatives
  - Database Research and Field Reconnaissance
PROJECT CONSTRAINTS

- **Tribal Properties**
  - Kiowa, Comanche, and Apache Tribes (KCA) - South of River
  - Wichita, Caddo, and Delaware Tribes (WCD) – North of River
  - Housing Authority of Apache Tribe
PROJECT CONSTRAINTS

- Tribal Facilities
  - Indian Health Center
  - BIA Southern Plains Regional Office
  - Riverside Indian School
  - Wichita Travel Plaza
  - Future Tribal Complex
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PROJECT CONSTRAINTS

- **Homes and Businesses**
  - Residences
  - Gas Stations
  - Auto Sales
  - Retail
PROJECT CONSTRAINTS

- **Washita River Floodplain**
  - Drainage Patterns of Washita River and Overflows an Important Consideration
  - Minimize any Changes to Drainage Patterns so as Not to Increase Flooding
  - Small Wetland Areas
Project Constraints

- **Anadarko Mini-Park**
  - City of Anadarko Received Land and Water Conservation Fund Money in the Late 1970s
  - Properties With LWCF Funding are Protected
  - Area No Longer Used as Park but Additional Coordination May be Required
PROJECT CONSTRAINTS

- Downtown Anadarko Historic District
  - South of old RR (Between Market and Main Streets)
  - Will not be Affected
PROJECT CONSTRAINTS

- Potential Hazardous Materials Sites
  - Several Gas Stations With Underground Storage Tanks
  - Underground Storage Tank Registered at Riverside Indian School – Exact Location Unknown
DEVELOPMENT OF ALTERNATIVES
DEVELOPMENT OF PRELIMINARY ALTERNATIVES

- Designed to Correct the Existing Deficiencies With Consideration to Constraints Identified
- Alternatives are Same at South and North Matching Existing Highway Centerline, but Differ at the Washita River
- Considered 5 Alternatives
  - 2 – Offset to West of Existing Washita Bridge
  - 2 – Offset to East of Existing Washita Bridge
  - 1 – On-Existing Alignment
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DEVELOPMENT OF PRELIMINARY ALTERNATIVES

- Meeting was Held With ODOT to Discuss the 5 Preliminary Alternatives

- 3 Alternatives Were Eliminated That:
  - Required Multiple Stages for Construction of Bridges
  - Required Construction of Wider Bridge for Temporary Traffic
  - Required Construction of Temporary Bridge

- Eliminated Alternatives had Similar Impacts to Current Alternatives
CURRENT ALTERNATIVES OVERVIEW

Alternatives are Same at the South and North matching Existing Highway Centerline, but Differ at the Washita River

- **Alternative 1 – Full Eastern Offset**
  - At Washita River, new Roadway Offset 48 Feet East of Existing Highway Centerline

- **Alternative 2 – Full Western Offset**
  - At Washita River, new Roadway Offset 42 Feet West of Existing Highway Centerline
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COMPARISON OF ALTERNATIVES
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- Compare the Impacts of the Various Options
  - Overlay Each Option and Tabulate Impacts
  - Develop a Relative Means of Comparison
COMPARISON OF ALTERNATIVES

- Evaluation Criteria
  - Impacts to Tribal & Private Property
  - Impacts to Homes & Businesses
  - Impacts to Environmental Resources
  - Constructability and Maintenance of Traffic During Construction
  - Cost – Construction, Right-of-Way, Utilities
  - Tribal and Public Input
## IMPACTS

### JP No. 29574(04) US-281 over the Washita River, Caddo County

<table>
<thead>
<tr>
<th>Project Matrix</th>
<th>Alternative</th>
<th>Total Cost</th>
<th>Residential Relocations</th>
<th>Commercial Relocations</th>
<th>Wetlands (acre)</th>
<th>Cultural Resources</th>
<th>Park Property (acre)</th>
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<tbody>
<tr>
<td></td>
<td>1 EAST OFFSET</td>
<td>$17.5 M</td>
<td>4 (1 tribal)</td>
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<td>0.5</td>
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<td>2 WEST OFFSET</td>
<td>$17.7 M</td>
<td>8 (3 tribal)</td>
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<td>0</td>
<td>0</td>
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</tbody>
</table>

Map showing Alternative 1 and Alternative 2 with the Washita River and other locations marked.
NEXT PROJECT STEPS

Public Input

Submit Comments by Dec. 8, 2016

Select Preferred Alternative

Prepare Environmental Document

Right-of-Way 2018

Construction 2020

TODAY
THANK YOU!

Please Submit Your Comments by December 8, 2016

✓ Leave Your Comment Form Here Today
✓ Mail the Comment Form Back to ODOT:
  Environmental Programs Division
  200 NE 21st Street
  Oklahoma City, OK  73105
✓ Email Your Comments to ODOT-Environment@ODOT.ORG
✓ Submit on the Web at www.odot.org/publicmeetings

QUESTIONS?