Purpose of Meeting

- Inform the public about the proposed improvements to US-77 over the Washita River, Washita River Overflow, & Unnamed Creek beginning at SH-29 to just east of Long Avenue in Wynnewood, Garvin County

- Present the results of the environmental studies

- Solicit public input for the proposed changes to US-77 for further consideration

- Answer questions and address concerns
US-77 Over Washita River and Washita River Overflow & Unnamed Creek
Project Purpose & Need

- Replace one structurally deficient bridge, and two functionally obsolete (narrow) bridges
- Improve the efficiency of US-77
Presentation Overview

- Two separate construction projects
Existing Roadway Conditions

- 2-lane highway built in 1959
- Two, 12-ft driving lanes with 8-ft paved shoulders
- Speed limit: 65 mph highway with 45 mph approaching Wynnewood
- Existing Traffic (2015) 6,900 vehicles per day
Project Personnel

OK Department of Transportation

Tetra Tech

CEC Infrastructure Solutions

CC Environmental
Washita River Bridge Project

- Design Engineer: CEC Infrastructure Solutions
Washita River Bridge Project

Begin at SH-29 intersection & proceed east approximately 1 mile.
Existing Conditions

- Existing Washita River Bridge
  - Built 1959
  - 28-ft wide
  - 610 ft long, 4–100-ft pony trusses & 1–210-ft high truss
  - Structurally Deficient
Proposed Improvements

- Replace existing truss bridge
  - Bridge will consist of 4–12-ft wide driving lanes and 2–10-ft wide shoulders
  - 672 ft long new bridge
- Widen the approach roadway east and west of the bridge
  - 4–12-ft wide driving lanes
  - 2–10-ft wide shoulders
Proposed Improvements

- Reconstruct on Existing Alignment with road closed
  - Provides the least construction cost and minimizes the right-of-way and utility impacts, but with a higher impact to road users.
  - Provide alternate route during construction
  - Posted Detour Route on SH 17A and I-35 is 10 miles long from the west end of bridge to the east end of bridge
  - Road closure letters sent to property owners in 2012, no comments were received
US-77 Over Washita River and Washita River Overflow & Unnamed Creek
Schedule of Improvements

- **Project Duration:**
  - Initial Estimate = 10 months (300 days)
  - Time may be reduced to 9 months (270 days) or less with construction performance incentives/disincentives

- **Right-of-Way/Utilities:** underway

- **Begin Construction:** 2018

- **Total Cost Estimate:** $9.13 million
Washita River Overflow & Unnamed Creek

- Design Engineer: Tetra Tech

Washita River Overflow

Unnamed Creek
Washita River Overflow & Unnamed Creek Project

Begin at river bridge project, extend east ~1 mile to just past Long Ave.
Existing Conditions

- **Bridges:**
  - Washita River Overflow Bridge
    - Built 1932
    - 30-ft wide
    - 158 ft long, 7 – 22.5-ft concrete slab spans
  - Unnamed Creek Bridge
    - Built 1932
    - 28-ft wide
    - 113 ft long, 5 – 22.5-ft concrete slab spans
Proposed Improvements

Roadway:

- Reconstruction of existing pavement to accommodate future traffic (2035) 9,600 vehicles/day
  - Current and future traffic warrants 4 lanes
- 4-lane open section
  - 4–12-ft wide driving lanes with 2–10-ft wide shoulders
- Transition to 2-lane open section in Wynnewood
Proposed Improvements

4-Lane Open Section

US-77 Over Washita River and Washita River Overflow & Unnamed Creek
Proposed Improvements

- **Bridges:**
  - **Washita River Overflow**
    - 3–12-ft x 4-ft Reinforced Concrete Boxes Extended to the Clear Zone
  - **Unnamed Creek**
    - 3–14-ft x 7-ft Reinforced Concrete Boxes Extended to the Clear Zone
Proposed Improvements

- Construction Phase
  - Maintain one lane of traffic in each direction throughout construction
  - Offset alignment to the south to:
    - Facilitate removal of existing bridges
    - Construct new structures
    - Avoid ballpark impacts
  - Provide temporary access drives
    - Residential
    - Commercial
    - Field Entrances
  - Minimize impact to properties and owners
Schedule of Improvements

- Schedule as identified in the ODOT 8-Year Construction Work Plan
  - Project Duration: 8 months
  - Right-of-Way/Utilities: 2017
  - Begin Construction: 2020
  - Total Cost Estimate: $6.27 million
Environmental Process

- Issues Considered, Studied, & Evaluated
  - Right-of-Way Impacts
  - Wetland Impacts
  - Stream Impacts
  - Floodplain Impacts
  - Farmland Impacts
  - Threatened & Endangered Species
  - Tribal Concerns
  - Cultural Issues
  - Archeological Sites
  - Hazardous Waste Sites
  - Park Impacts
  - Noise Impacts
Environmental Findings

- **Right-of-Way Impacts**
  - Some right-of-way required
  - No residential or commercial displacements anticipated

- **Stream & Wetland Impacts**
  - Impacts to waters & wetlands anticipated
  - Requires Army Corps of Engineers review

- **Cultural Issues & Archeological Sites**
  - No historic properties affected
  - Off-project avoidance plan notes
Environmental Findings

- **Hazardous Waste Sites**
  - Leaking underground storage tank sites near southwest corner of SH-29/US-77 junction
  - Fueling station at US-77 & N. Jarret
  - Contamination possible, but not expected to affect construction

- **Park Impacts**
  - Ballpark complex should not be affected
  - Access will remain open during construction
Environmental Findings

- Noise Study
  - Noise study completed in accordance with ODOT noise policy (July 13, 2011). Utilized FHWA Traffic Noise Model in predicting existing and future noise levels.
  - Model inputs included traffic data, roadway geometry, and receiver site locations.
  - Receiver sites included 4 residences, 7 commercial properties, and 2 baseball fields.
Noise Impacts

- Based on the proposed project & future traffic, no residences or baseball fields would approach or meet 67dB(A).
- Future noise levels ranged from +0.6 to +6.3 dB(A) over the existing condition.
- No receivers are projected to experience a substantial increase in sound levels (15dB).
Summary

- Two separate projects
  - Washita River Bridge
  - Washita River Overflow & Unnamed Creek Bridges
- Proposed Improvements
  - Replace all three bridges with new structures
  - Improve the roadway
    - 4-12 ft wide driving lanes with 2-10 ft wide shoulders
    - Transition to 2 lanes in town
Next Steps

- Receive comments from public
- Complete/update environmental documents
- Complete/update design plans
- Begin/complete right-of-way acquisition & utility relocations
  - Washita River Bridge Project: \textit{In progress}
  - Washita River Overflow & Unnamed Creek Project: 2017

- Construct projects
  - Washita River Bridge Project: 2017
  - Washita River Overflow & Unnamed Creek Project: 2020
Question & Comments

- More information is available online at [www.odot.org/publicmeeting](http://www.odot.org/publicmeeting)
- Comments may be provided as following:
  - Leave your comment form here tonight
  - Download and fill out form online
  - Mail forms to ODOT:
    Oklahoma Department of Transportation
    Environmental Programs Division
    200 NE 21st Street
    Oklahoma City, OK 73105
  - Email comments to:
    [odot-environment@odot.org](mailto:odot-environment@odot.org)

- Comments due by December 18, 2015