Public Meeting

SH-28 over the Verdigris River
Proposed Bridge Replacement
March 3, 2016 at 6:00 p.m.
Nowata City/County Library
Before we get started...

...Please turn off or mute any electronic devices, and make sure you have a Handout and Comment Form available. Please hold your questions until after the presentation has ended.
Presentation Outline

• Meeting and Project Purpose
• Existing Conditions
• Highway Traffic Volumes
• Project Scope
• Project Constraints
• Bridge Replacement Options
• Project Timeline
• General Questions & Comments

SH-28 over the Verdigris River

3/2/2016
Project Location

SH-28 over the Verdigris River
Purpose of this Meeting

To inform the public & solicit comments about the Department’s proposed plan to replace the SH-28 Bridge over the Verdigris River and consider closing the roadway during construction.

Purpose of this Project

To improve the safety and functionality of the SH-28 crossing over the Verdigris River.
Existing Conditions

• Built in 1960
• Narrow at-risk bridge
• Two (2) lane highway
  o 28 foot clear roadway
  o 12 foot driving lanes
  o 2 foot shoulder width
• Substandard bridge rail
• 586 foot long structure
  o 5 spans total
Existing Conditions (cont.)

SH-28 over the Verdigris River

3/2/2016
Existing Conditions (cont.)

SH-28 over the Verdigris River 3/2/2016
Highway Traffic Volume

• Current Traffic Volume (2016)
  o 1,000 Vehicles Per Day
  o 10% Truck Traffic

• Future Traffic Volume (2036)
  o 1,400 Vehicles Per Day
  o 10% Truck Traffic
Project Scope

• Replace with new bridge:
  o 12 feet wider than current bridge
  o 40 foot clear roadway
    • 12 foot driving lanes and 8 foot shoulders

• Widen approach roadway on both sides
  o Begin approximately 300 feet west of the bridge
  o End approximately 300 feet east of the bridge
  o 40 foot roadway to match bridge
    • 12 foot driving lanes and 8 foot shoulders
  o Guardrail on approach roadway will be replaced
Project Scope

SH-28 over the Verdigris River

3/2/2016
Project Scope

Proposed Detour Route

24 Miles
Project Constraints Cont.

- Potential Threatened & Endangered Species Habitat Impact:
  - American Burying Beetle
  - Interior Least Tern
  - Piping Plover
  - Neosho Mucket Mussel
  - Cliff Swallows
  - Northern Long Eared Bat

- Lake Oologah Wildlife Management Area
- Flood Storage – Lake Oologah
- Wetlands
- Archeological Site
Bridge Rehabilitation Option (Original Scope)

- Re-deck bridge
- Wider deck
- Current design standards
- Standard rail design
- Design life (approx. 25 years)
- New Beams
Bridge Replacement Option(s)

Preferred Option

- **Reconstruction on existing alignment**
- Close road during construction:
  - Provide alternate route during construction
  - Signed detour = 24 miles
  - Approx. 270 days for construction
- Least impact to environmentally sensitive areas
- No right-of-way
- Similar construction cost
- Longer design life (75 years)
- Most impact to road users
- Utilize a performance incentive / disincentive to reduce closure time
- Improved work zone safety for both users and workers
Project Timeline

- 8-Year Construction Work Program:
  - Construction:
    - Programmed Fiscal Year 2020
    - Programmed cost: $5.0 Million
    - 270 Days
General Questions & Comments

Do you have any general questions or comments about the information presented?
Submit your comments

• Leave your written comments with us tonight.
• Download and submit a comment form at:
  www.odot.org/publicmeetings
• 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.....