



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.

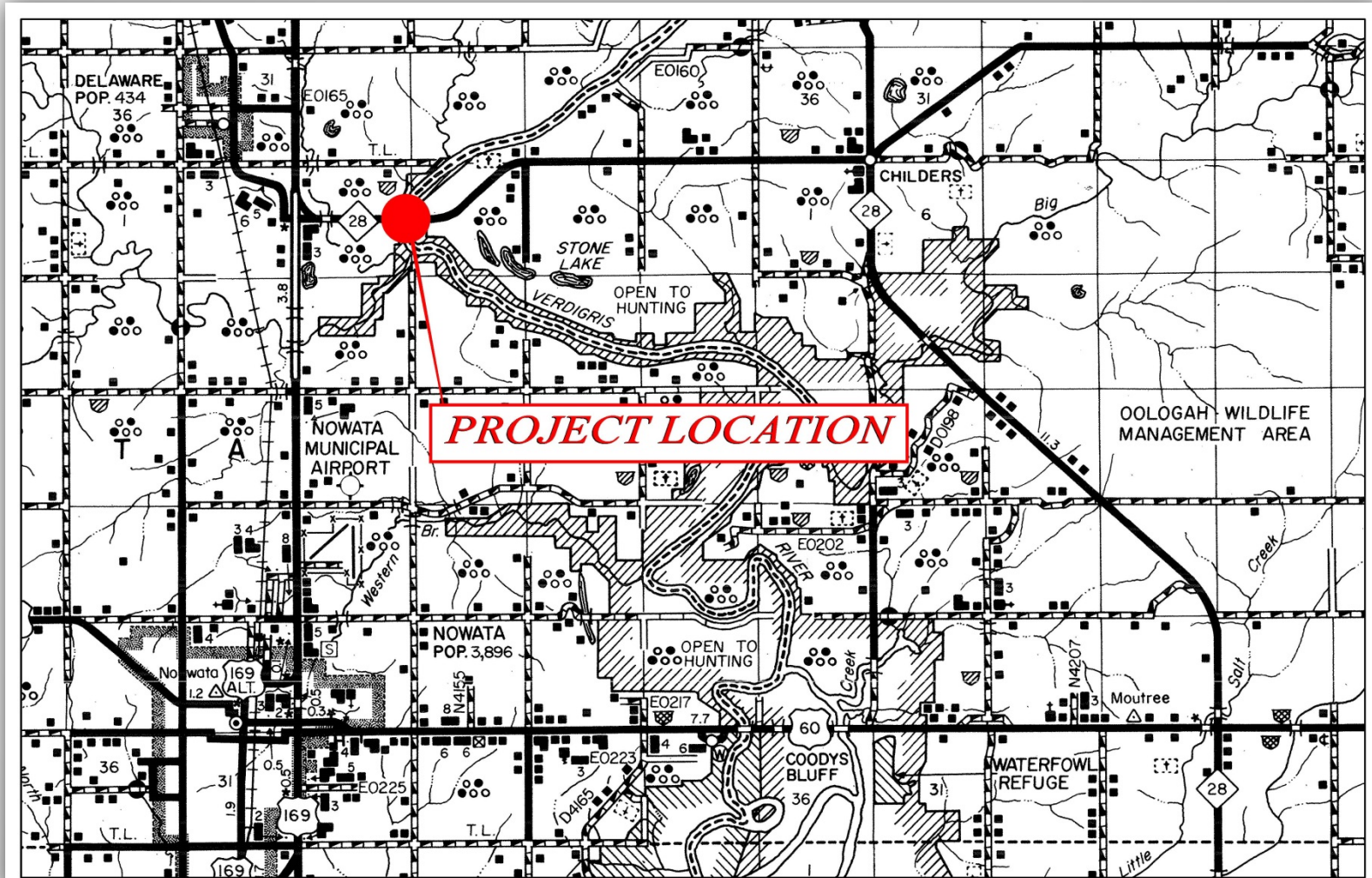


Presentation Outline

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



Project Location





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
 - 28 foot clear roadway
 - 12 foot driving lanes
 - 2 foot shoulder width
- Substandard bridge rail
- 586 foot long structure
 - 5 spans total



Existing Conditions (cont.)



Existing Conditions (cont.)





Highway Traffic Volume

- Current Traffic Volume (2016)
 - 1,000 Vehicles Per Day
 - 10% Truck Traffic
- Future Traffic Volume (2036)
 - 1,400 Vehicles Per Day
 - 10% Truck Traffic

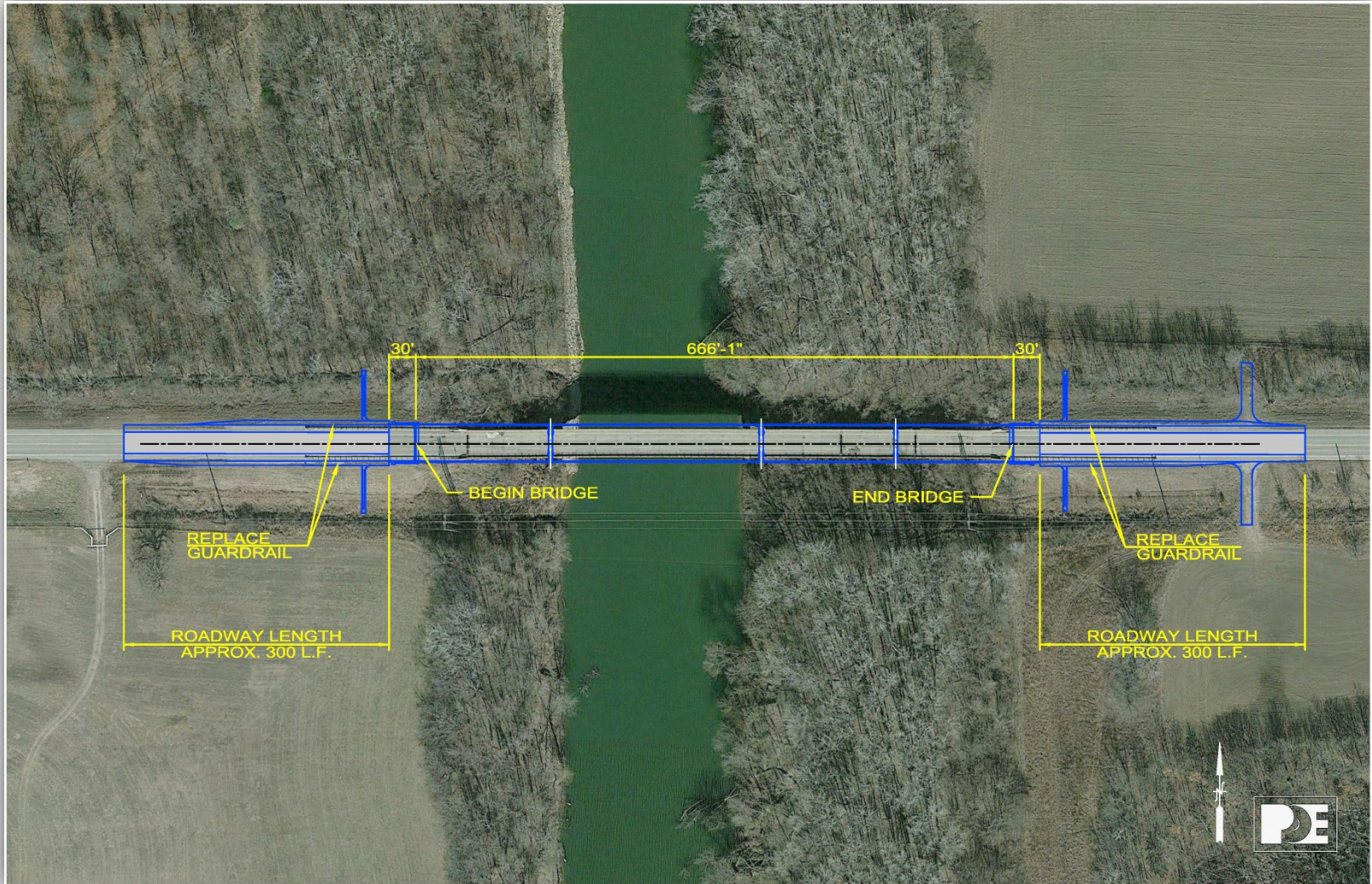


Project Scope

- Replace with new bridge:
 - 12 feet wider than current bridge
 - 40 foot clear roadway
 - 12 foot driving lanes and 8 foot shoulders
- Widen approach roadway on both sides
 - Begin approximately 300 feet west of the bridge
 - End approximately 300 feet east of the bridge
 - 40 foot roadway to match bridge
 - 12 foot driving lanes and 8 foot shoulders
 - Guardrail on approach roadway will be replaced

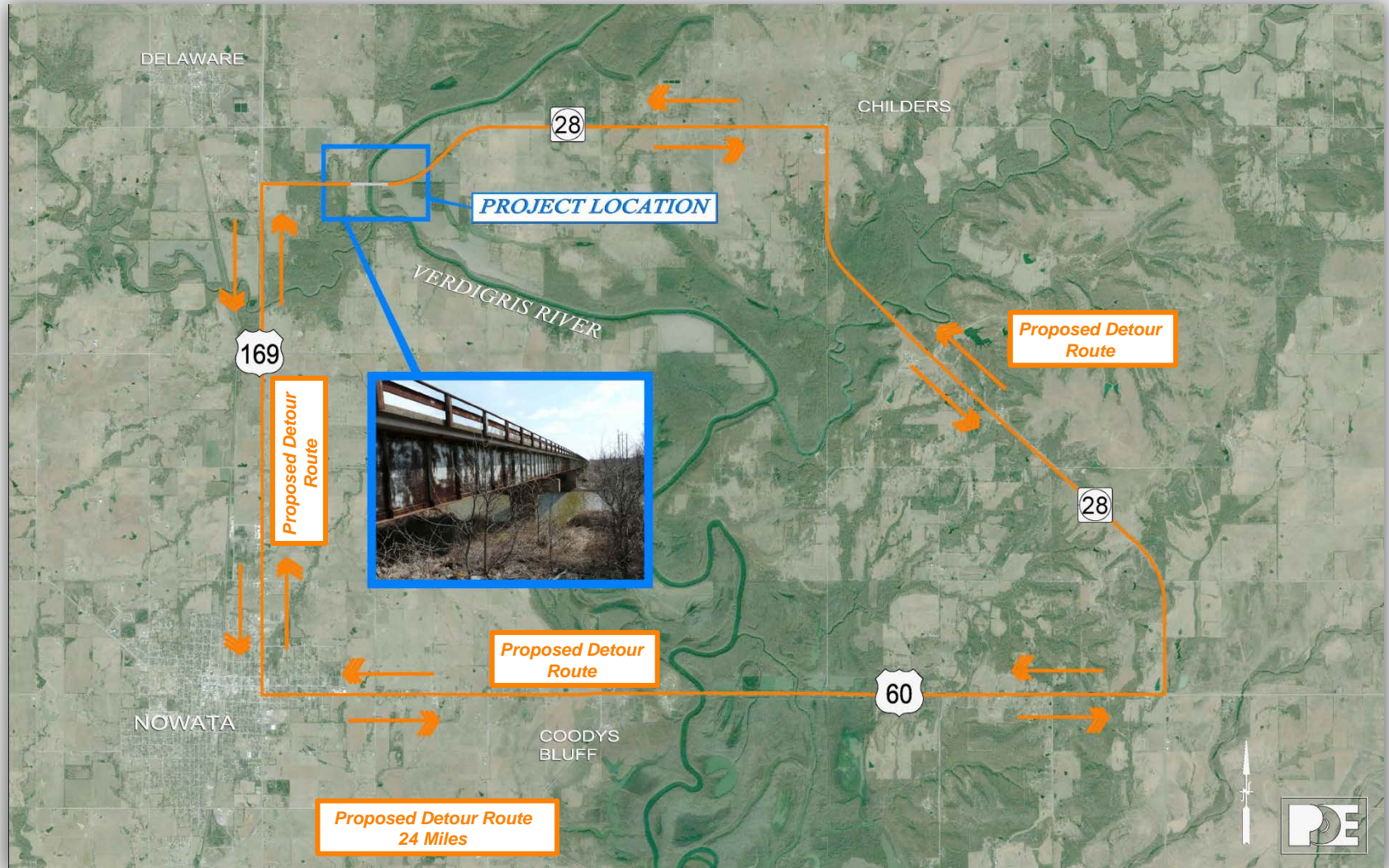


Project Scope



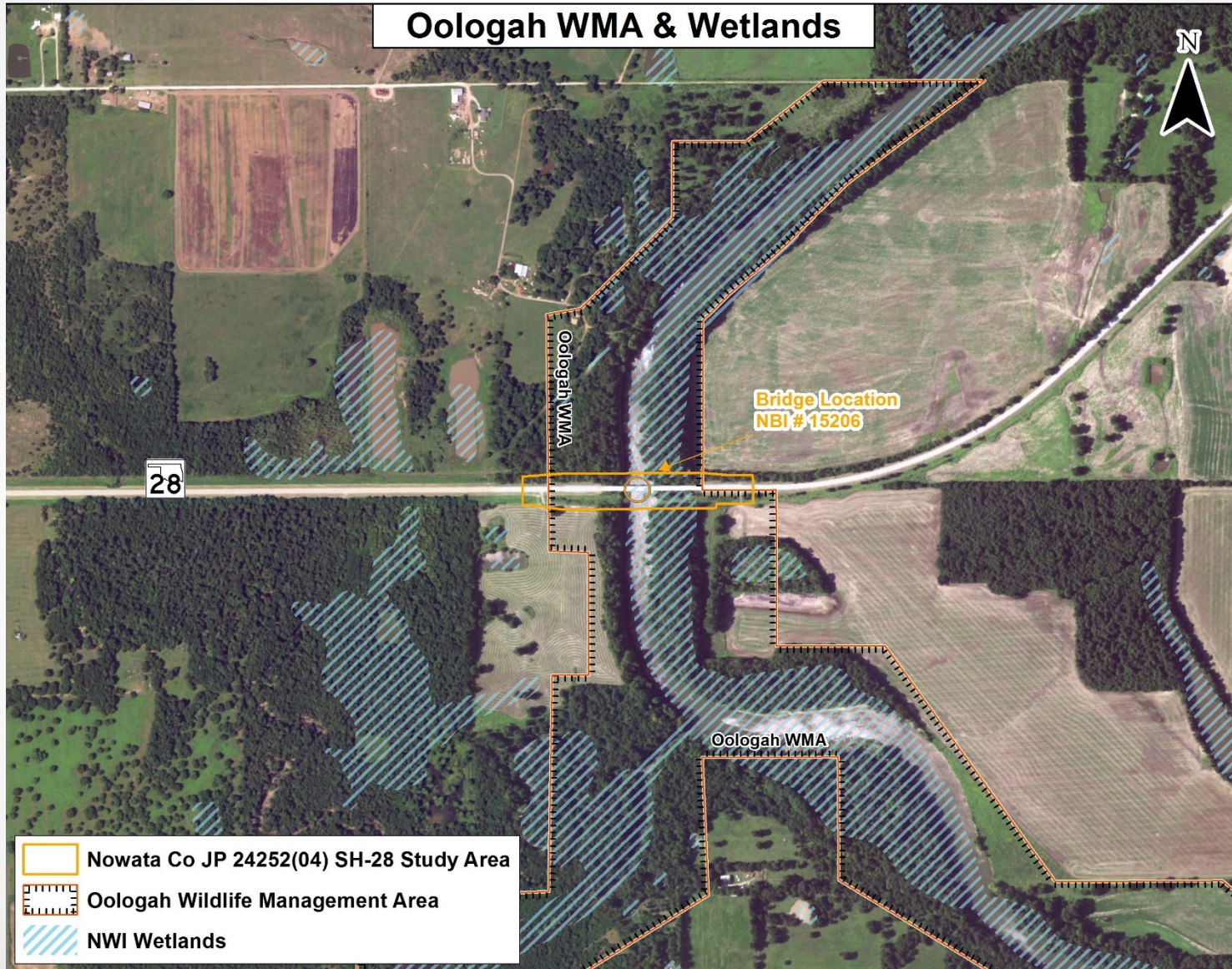


Project Scope





Project Constraints





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)

Bridge Rehabilitation Option

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



Bridge Replacement Option(s)

Preferred Option

- *Reconstruct 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

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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.....**