

# SH-9 Cleveland County 72<sup>nd</sup> Ave. SE to 108<sup>th</sup> Ave. SE in Norman

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October 28<sup>th</sup>, 2014  
Little Axe Community Center, 6:00 p.m.

# Project Development Personnel

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- Oklahoma Department of Transportation
  - Paul Rachel, Division 3 Engineer
  - Ron Brown, Division 3 Construction Engineer
  - Richard Buchanan, Project Management
  - Robert Payao, Environmental Programs
  - Frank Roesler III, Public Involvement Officer
- CEC – Design Engineers
  - Taylor Barnes, P.E.
  - Don Steel, P.E. – Roadway Design
  - Amanda Baker, P.E. – Design and Noise Studies
  - Jared Bechtol – Environmental Process
  - Samantha Tepper – Environmental Process

# Purpose of Meeting

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- Present the re-evaluation of the SH-9 widening from 72<sup>nd</sup> Ave. SE to 84<sup>th</sup> Ave. SE and the proposed extension of the project to 108<sup>th</sup> Ave. SE.
- Get public input and incorporate into the design and project development

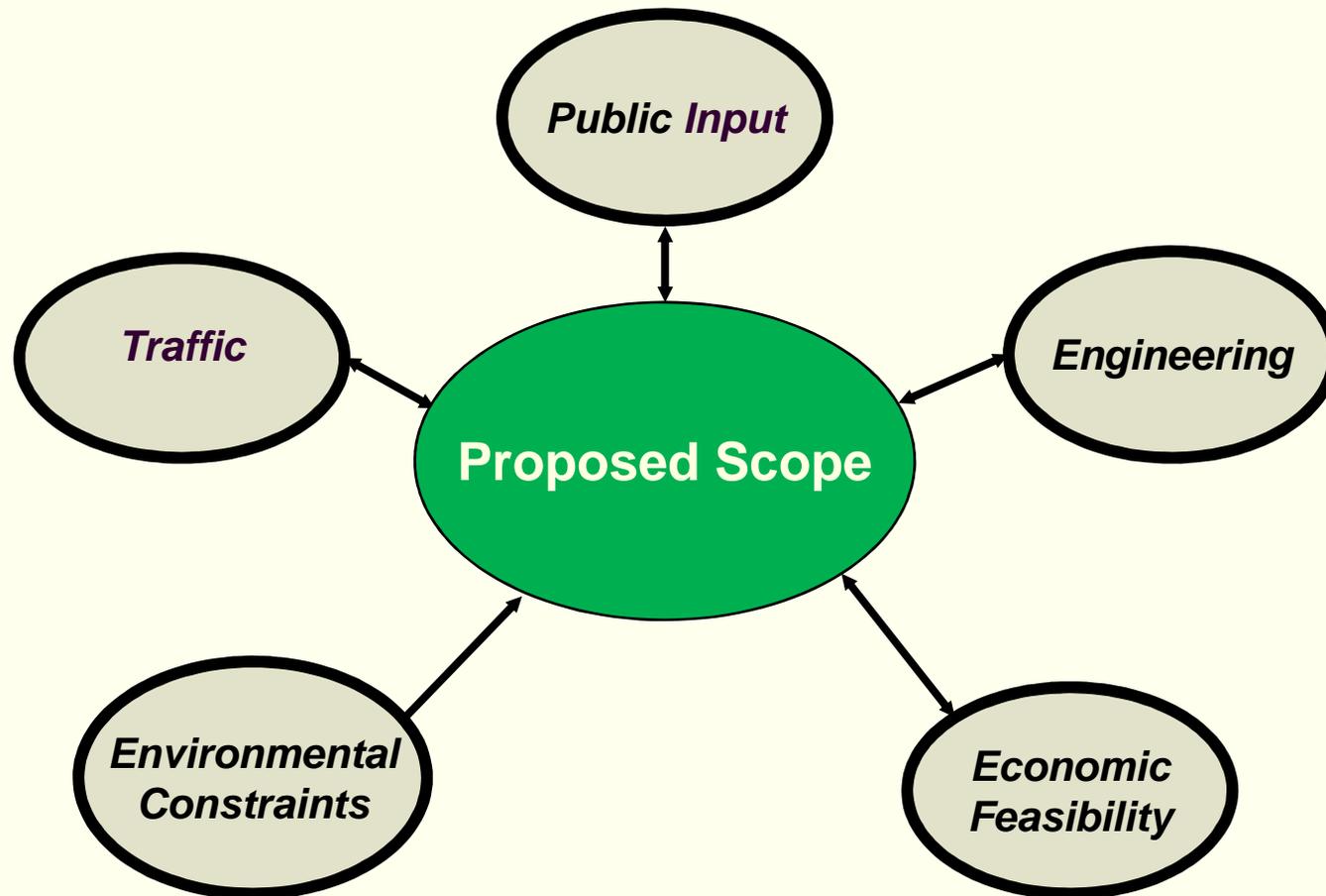
# Project Extents

## SH 9 WIDENING & IMPROVEMENTS



# Re-Evaluation Considerations

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# Typical Evaluation Criteria

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- Land Use Impacts
- Farmland Impacts
- Relocation Impacts/Rights-of-Way Acquisition
- Joint Development
- Noise Impacts
- Wetlands Impacts
- Water Body Modification and Wildlife Impacts
- Floodplain Impacts
- Wild and Scenic Rivers
- River/Creek Rechannelization
- Threatened and Endangered Species
- Archeological Sites
- Hazardous Waste Sites
- Underground Storage Tanks
- Construction Impacts
- Environmental Justice

# Noteworthy Environmental Study Findings

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- Re-Evaluation from 72<sup>nd</sup> Ave to 84<sup>th</sup> Ave.
  - Rose Rock Geologic Deposit: northeast corner of SH 9 and 72<sup>nd</sup> Ave. intersection
  - Archeological sites outside the project area will be avoided during construction
- Evaluation of additional 2 miles from 84<sup>th</sup> Ave. to 108<sup>th</sup> Ave.
  - Waterways & potential wetlands; stream and small potential wetland at Jim Blue Creek require USACE review
  - Former Leaking Underground Storage Tanks near 108<sup>th</sup> Ave. intersection

# Noteworthy Environmental Study Findings

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## ■ Noise Study

- Noise analysis utilized current FHWA Traffic Noise Model in calculating existing (2014) and future (2035) noise levels based on traffic data, roadway geometry, and receiver site locations. Noise model validation based on field measurements using Type II precision sound level meter with readings obtained within project limits.
- Total of 40 receiver sites evaluated. Noise sensitive receivers include 36 single family residential dwellings, 1 bed and breakfast and 1 place of worship.
- Existing sound levels for noise sensitive receivers range from 48.1 dBA Leq(h) to 61.2 dBA Leq(h).
- Future sound levels for noise sensitive receivers range from 52.3 dBA Leq(h) to 62.7 dBA Leq(h).

# Noteworthy Environmental Study Findings

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## ■ Noise Study

- Based on proposed roadway and future traffic volumes, no receivers approach 67 dB(A) Leq(h) for FHWA Noise Abatement Criteria Activity Categories B or C and no receivers would experience substantial increase in noise levels (15 dBA) over existing conditions.
  - Highest residential sound level increase over existing conditions is 4.6 dBA
  - Bed & Breakfast sound level increase over existing conditions is 4.0 dBA
  - Place of worship sound level increase over existing conditions is 2.4 dBA
- No traffic noise impacts will occur as a result of the proposed project; therefore, noise abatement measures are not included in the project.

# SH-9 Existing Conditions

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- Original Construction Completed 1963
  - 1962 Average Daily Traffic (ADT) = 2,400
  - 1982 Average Daily Traffic (ADT) = 4,800
- Current (2014) Average Daily Traffic (ADT)
  - 10,000 vehicles per day
- Projected (2035) Average Daily Traffic (ADT)
  - 14,200 vehicles per day
- Left turn lanes added since initial construction

# SH-9 Existing Conditions

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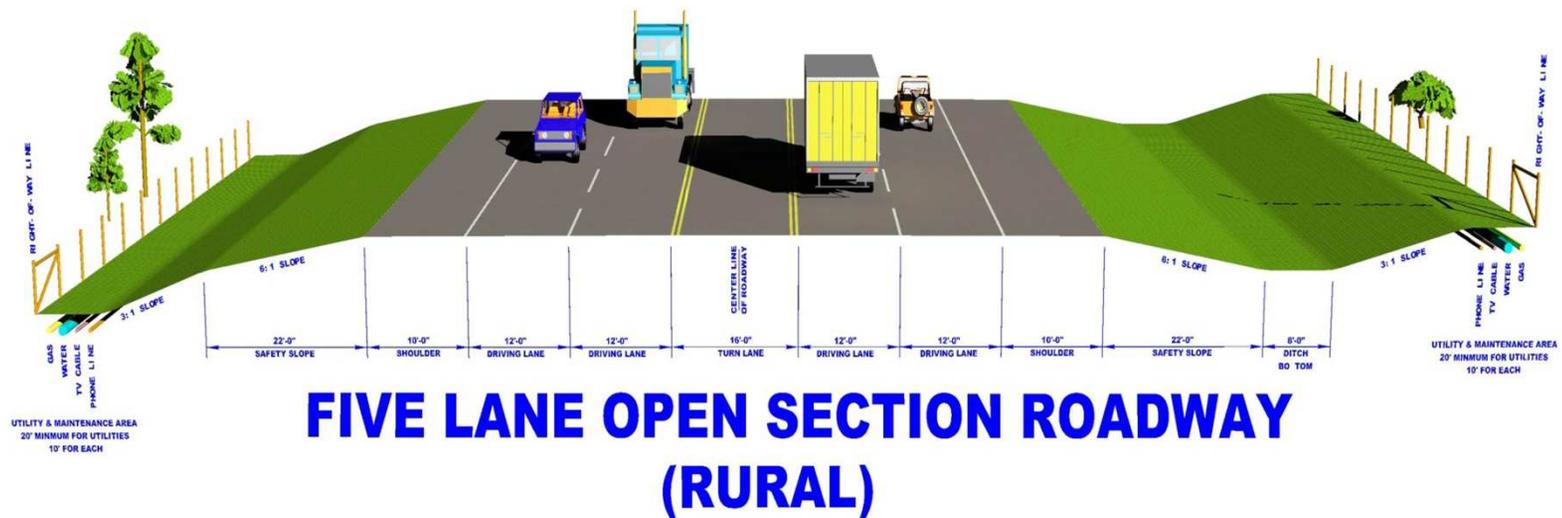
- Accident History
  - 136 collisions, January 2004 to January 2014
  - Highest Accident Locations
    - 24 at 72<sup>nd</sup> Ave. intersection
    - 15 at 84<sup>th</sup> Ave. intersection
    - 3 at 96<sup>th</sup> Ave. intersection
    - 3 at Oak Ridge/Morning Glory intersection
    - 11 at 108<sup>th</sup> Ave. intersection

# Project Purpose

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- SH 9 Corridor Improvements
  - Re-evaluation from 72<sup>nd</sup> Ave. to 84<sup>th</sup> Ave. of Environmental Assessment completed in 2011 from 24<sup>th</sup> Ave. to 84<sup>th</sup> Ave., and an additional 2 miles for this proposed project from 72<sup>nd</sup> Ave. to 108<sup>th</sup> Ave.
  
- Safety Improvements
  
- Increase Capacity and Travel Efficiency

# Proposed Improvements



- Bridge Replacement at Jim Blue Creek
  - Replace existing bridge-size reinforced concrete box (RCB)

# During Construction

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- Maintain one lane of traffic each direction during construction
- Occasional night time construction
- Notifications ahead of temporary closures

# Proposed Improvements

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- ODOT 8 Year Construction Work Plan
  - Right-of-way acquisition and utility relocation scheduled for Federal Fiscal Year 2017
  - Construction contract award scheduled for Federal Fiscal Year 2020
  - \$13 million currently programmed
    - Right-of-Way acquisition, utility relocation, & construction
  - 18 month estimated construction duration

# Next Steps

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- Receive comments from public
- Complete environmental re-evaluation document and obtain approval from FHWA
- Preliminary design
- Right-of-way acquisition and utility relocation
- Final design
- Construction

# Question & Answer

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- Please provide comments
  - now in open forum
  - in writing on the forms provided
  - by email to:
    - [environment@odot.org](mailto:environment@odot.org)
  - comments due by November 11, 2014

# Thank You!

## SH 9 WIDENING & IMPROVEMENTS

