

WELCOME

State Highway 51A in Blaine County

ODOT Public Meeting

July 28, 2015

6:00 P.M.



TEAM INTRODUCTIONS



ATKINS

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- Daniel Humphrey – Design Consultant

CC ENVIRONMENTAL

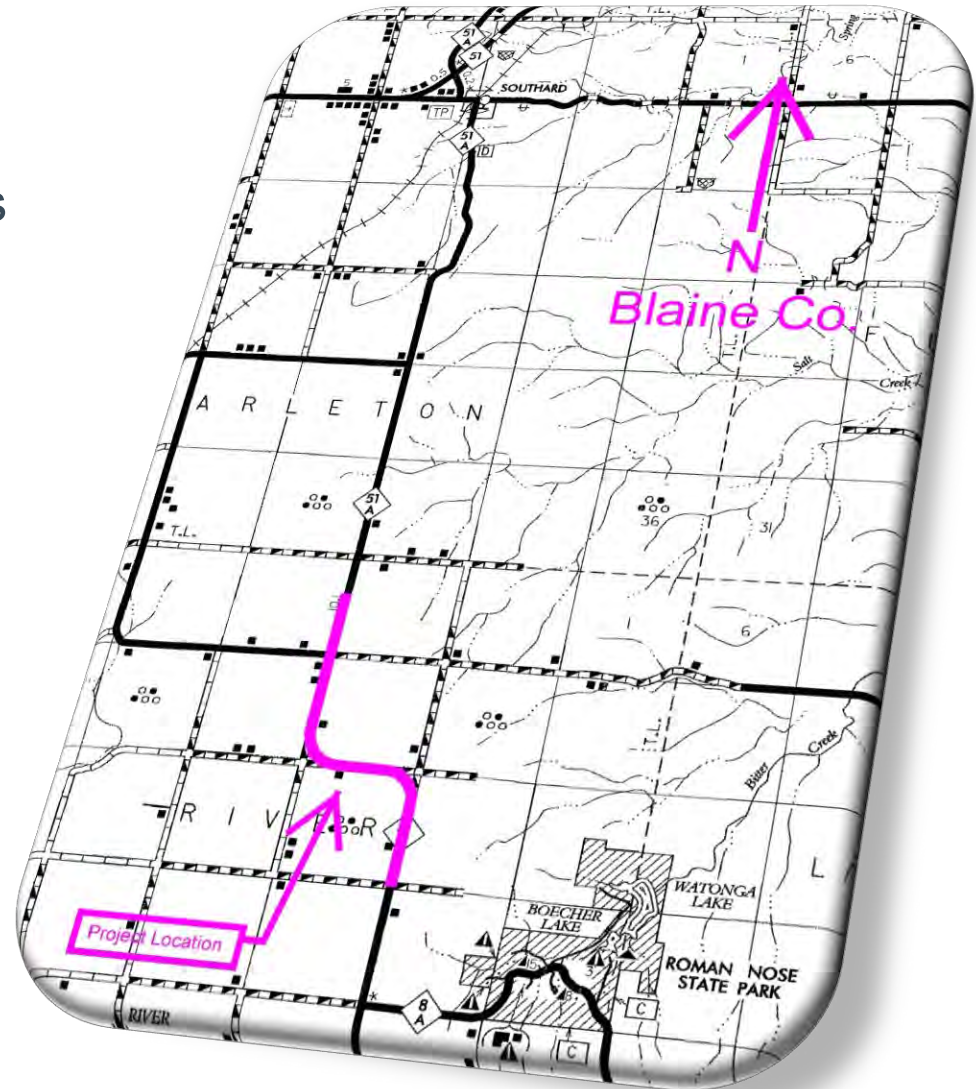
- Geoff Canty – Environmental Consultant

ODOT

- Brent Almquist – Division 5 Engineer
- Will Snipes – Division 5 Construction Engineer
- Roger Schultz – Project Manager
- Siv Sundaram – Assistant Environmental Programs Division Engineer
- Judy Dennis – Environmental Project Manager
- Diana Barlow – Right-of-Way Relocation Manager
- David Wigington – Blaine County Superintendent

PURPOSE OF THIS MEETING

- Inform the public about the need for improvement and the proposed improvements to SH-51A between EW-71 road and EW-74 road in Blaine County
- Present the proposed alternatives for the improvements
- Solicit input identifying the need of the project and selecting a preferred alternative for improvement if a need is identified

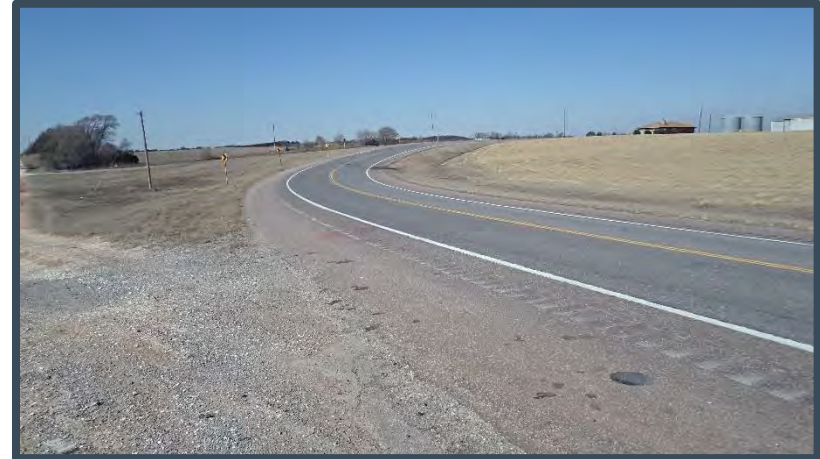


PURPOSE OF THE PROJECT



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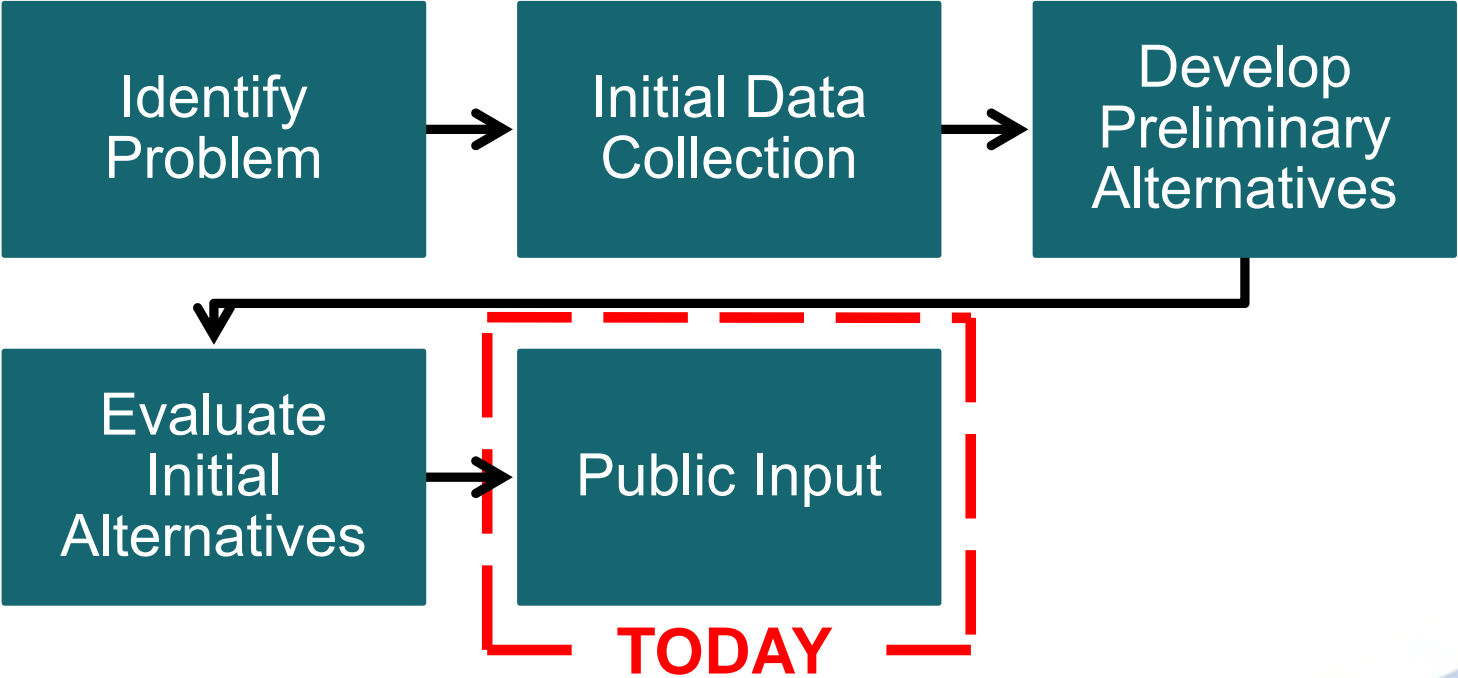
...is to Improve the Safety of SH-51A



PROJECT OVERVIEW



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EXISTING CONDITIONS



- Original Highway Construction in the 1940's
- Widened and Resurfaced in the 1990's
- 2-Lane Roadway with 8-Foot-Wide Paved Shoulders
- Substandard Horizontal & Vertical Curves (Hills, Sags, and Turns)
- Speed Limit – Posted 65 mph
- Existing Traffic (2015): 1,100 Vehicles/Day
- Projected Traffic (2045): 1,800 Vehicles/Day
- **26% Truck Traffic**

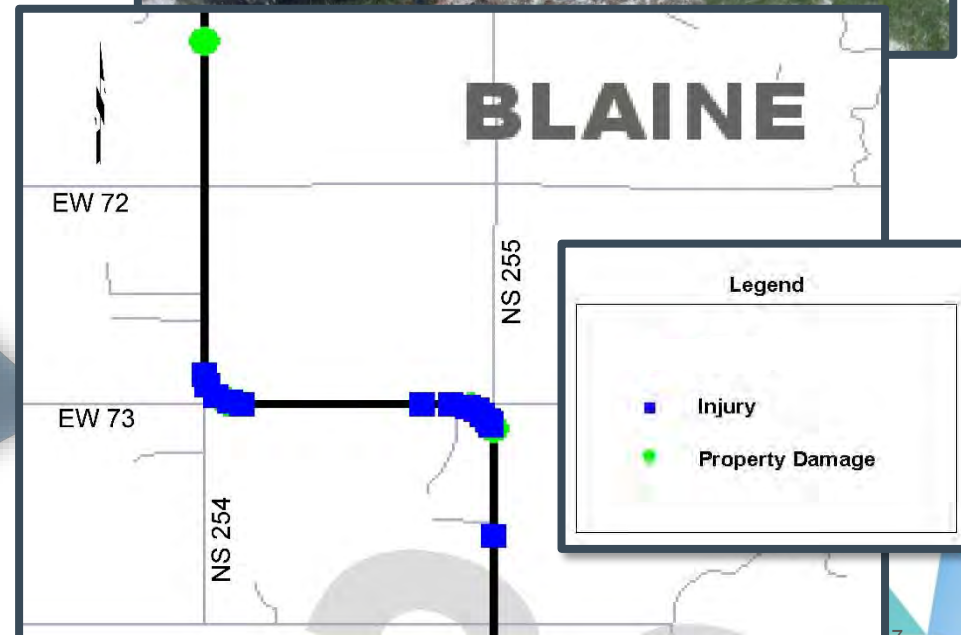
ACCIDENT DATA

Total: 26 Documented Accidents (2009-2014)

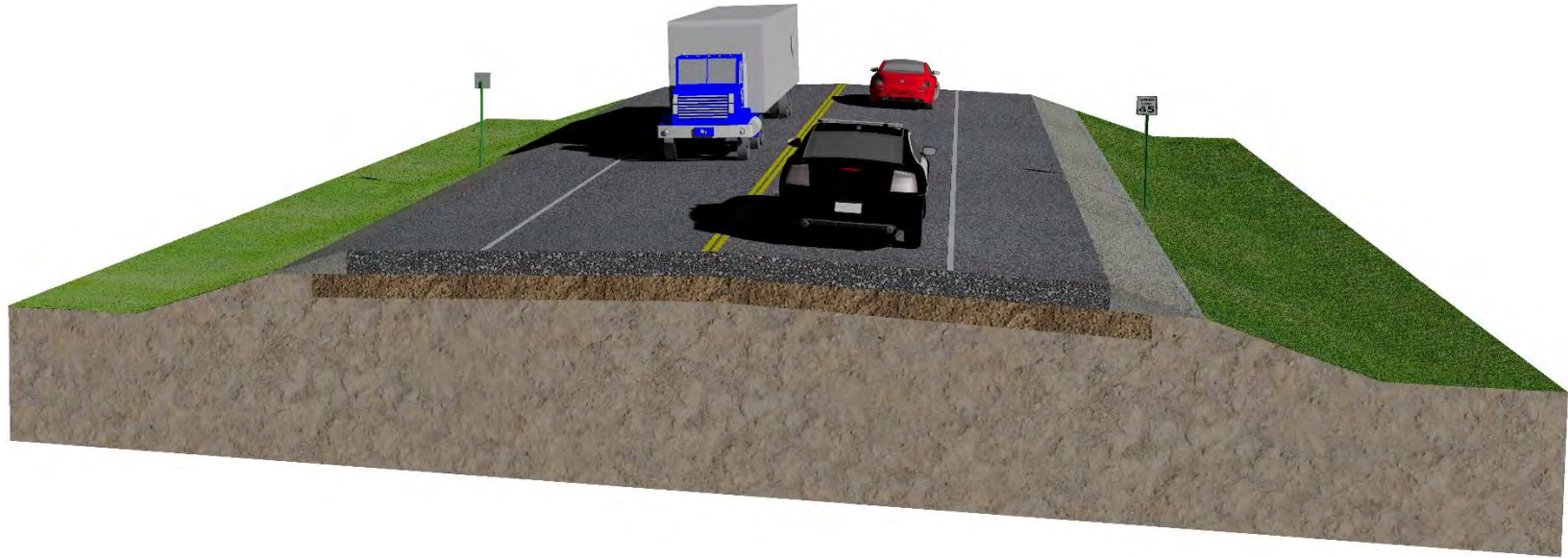
- 16 Overturn/Rollover Accidents (61.5% of Total Accidents)
- 48.3% Involved a Truck and Semi-trailer
- 20 of the Total 26 Accidents were located around the curves



Significantly Higher than the State
Average for Accidents on Rural
State Highways



PROPOSED ROADWAY



Proposed Design Criteria for all Alternatives

- Roadway Typical Sections
 - Two 12-Foot-Wide Driving Lanes
 - 8-Foot-Wide Shoulders
- Design Speed
 - 65 mph

PROPOSED IMPROVEMENTS



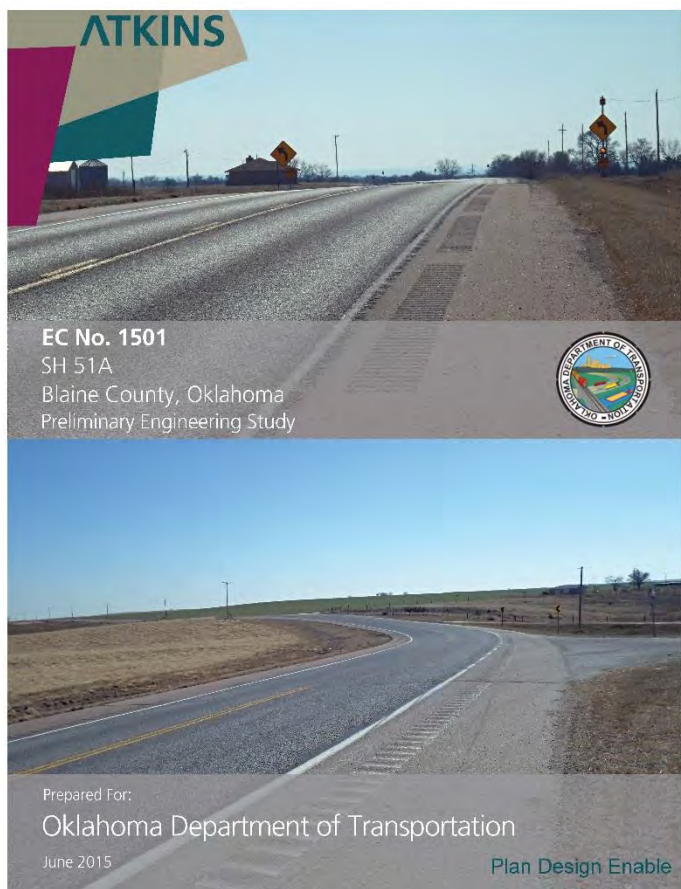
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- Improve the overall safety of SH-51A
 - Sight Distance
 - Vertical & Horizontal Curves
 - County Road Tie-ins

DESIGN / ENVIRONMENTAL CONSIDERATIONS



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- Engineering Study
- Environmental Reconnaissance
- Preliminary Alignment Study

DEVELOPMENT OF ALTERNATIVES

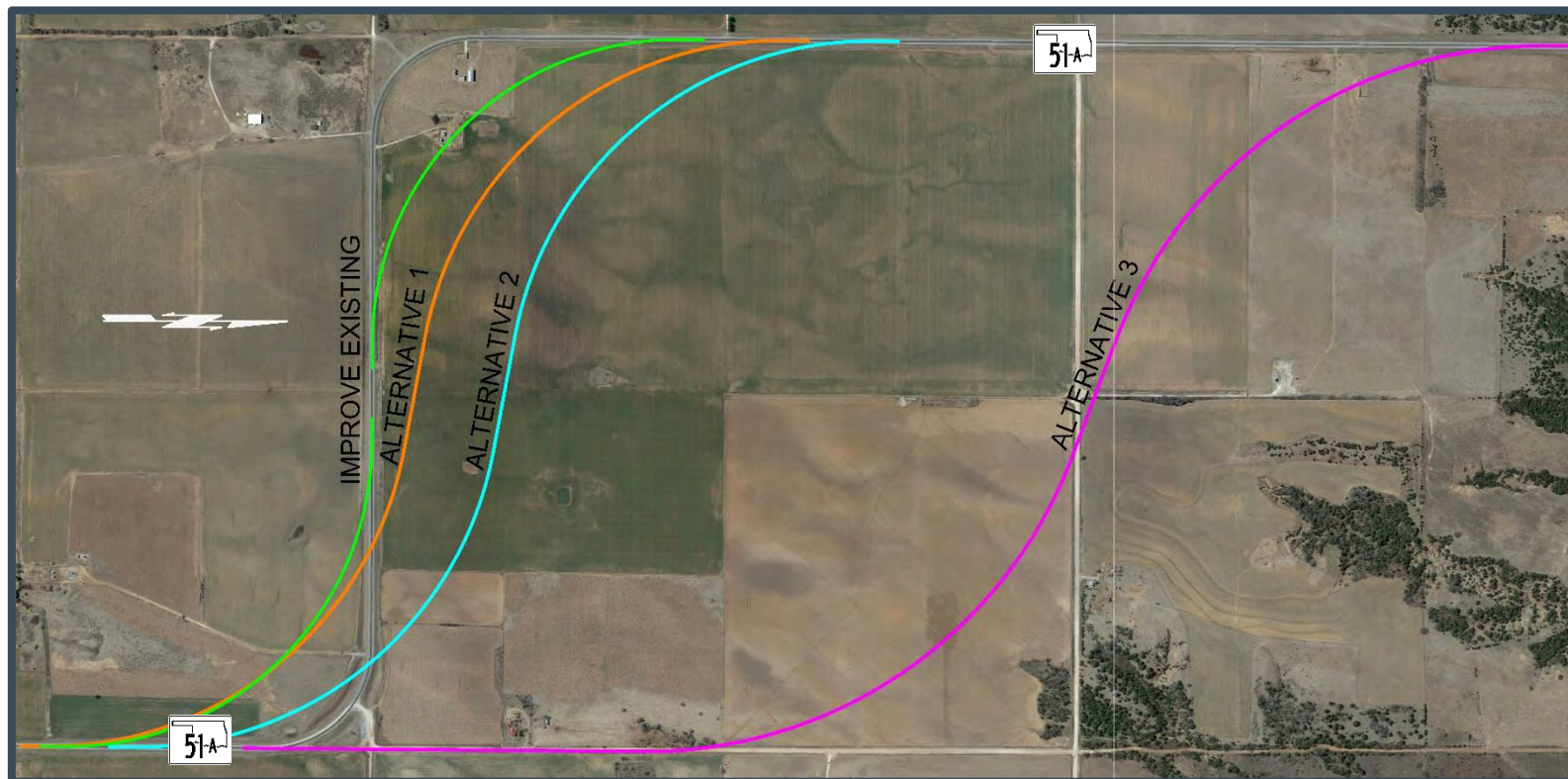


To correct the existing safety concerns, four (4) Alternatives were evaluated

Proposed Alternatives Based on:

- Engineering Design Criteria
- Constructability & Maintenance of Traffic During Construction
- Project Costs – Construction, Right-of-Way, Utilities
- Environmental Concerns (Human and Natural Environments)

DEVELOPMENT OF ALTERNATIVES *cont'd....*



Considered Three New Alignment Alternatives and an “Improve Existing” Alternative

LEGEND

- ALTERNATIVE 1
- ALTERNATIVE 2
- ALTERNATIVE 3
- IMPROVE EXISTING
- EXISTING ALIGNMENT

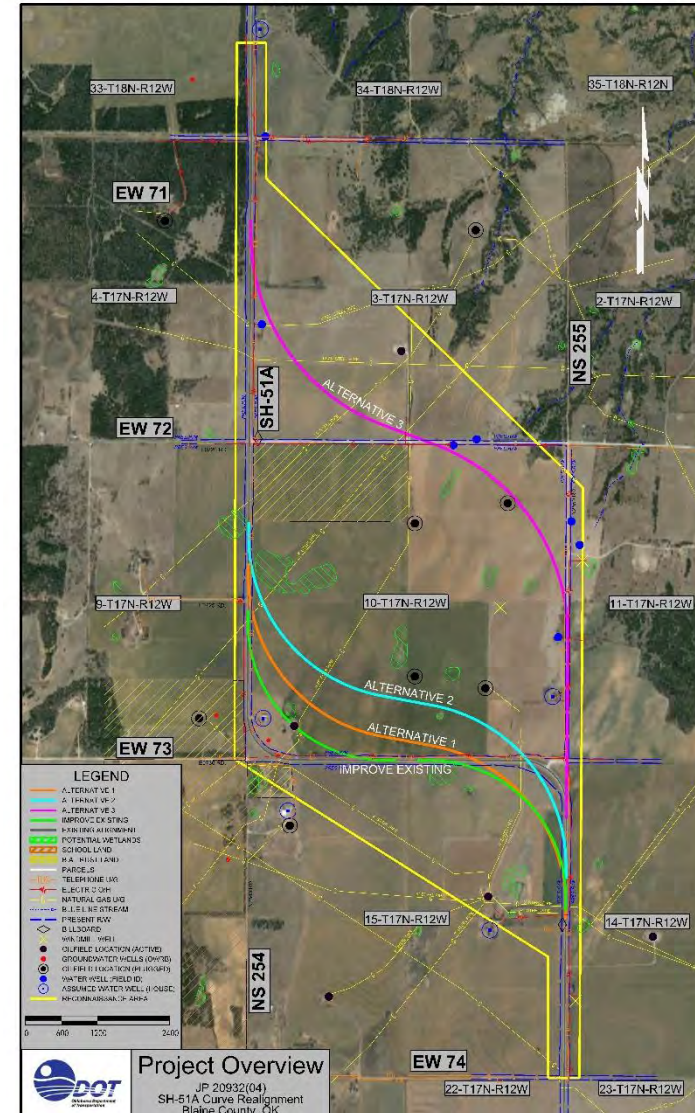
ENVIRONMENTAL RECONNAISSANCE



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Issues Considered

- Residential Relocation
- Farmland Impacts
- Tribal Concerns
- Cultural Issues
- Archeological Sites
- Hazardous Waste Sites
- Oil & Gas Sites
- Threatened & Endangered Species
- Wetlands Impacts
- Stream Impacts
- Floodplain Impacts



PROJECT CONSTRAINTS

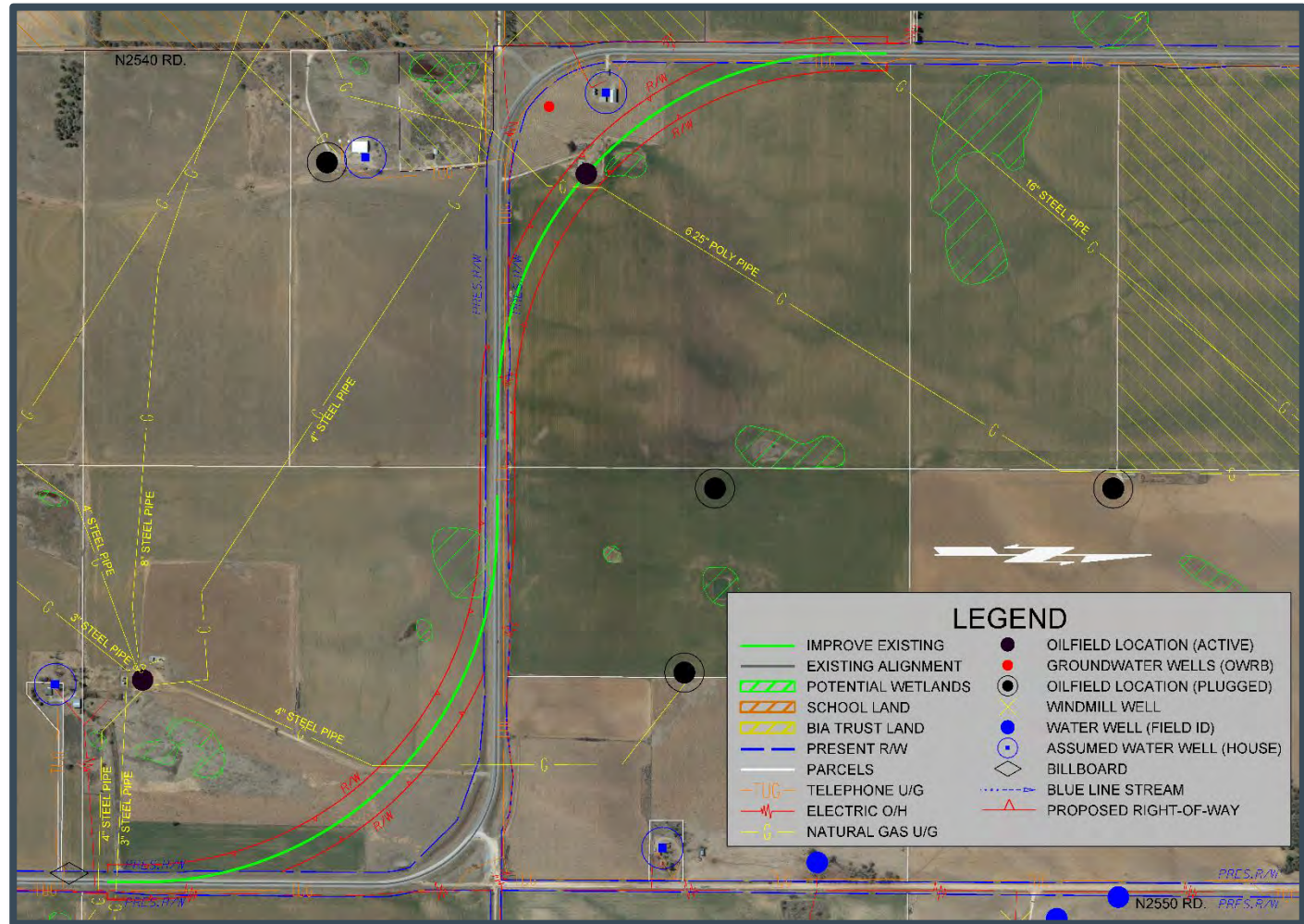
- Residences
- Bureau of Indian Affairs (BIA) Trust Land Impacts
- Oil & Gas Well Sites
- Farmland Impacts
- Section Line Road Tie-ins
- Water Wells
- Utilities



IMPROVE EXISTING ALIGNMENT ALTERNATIVE

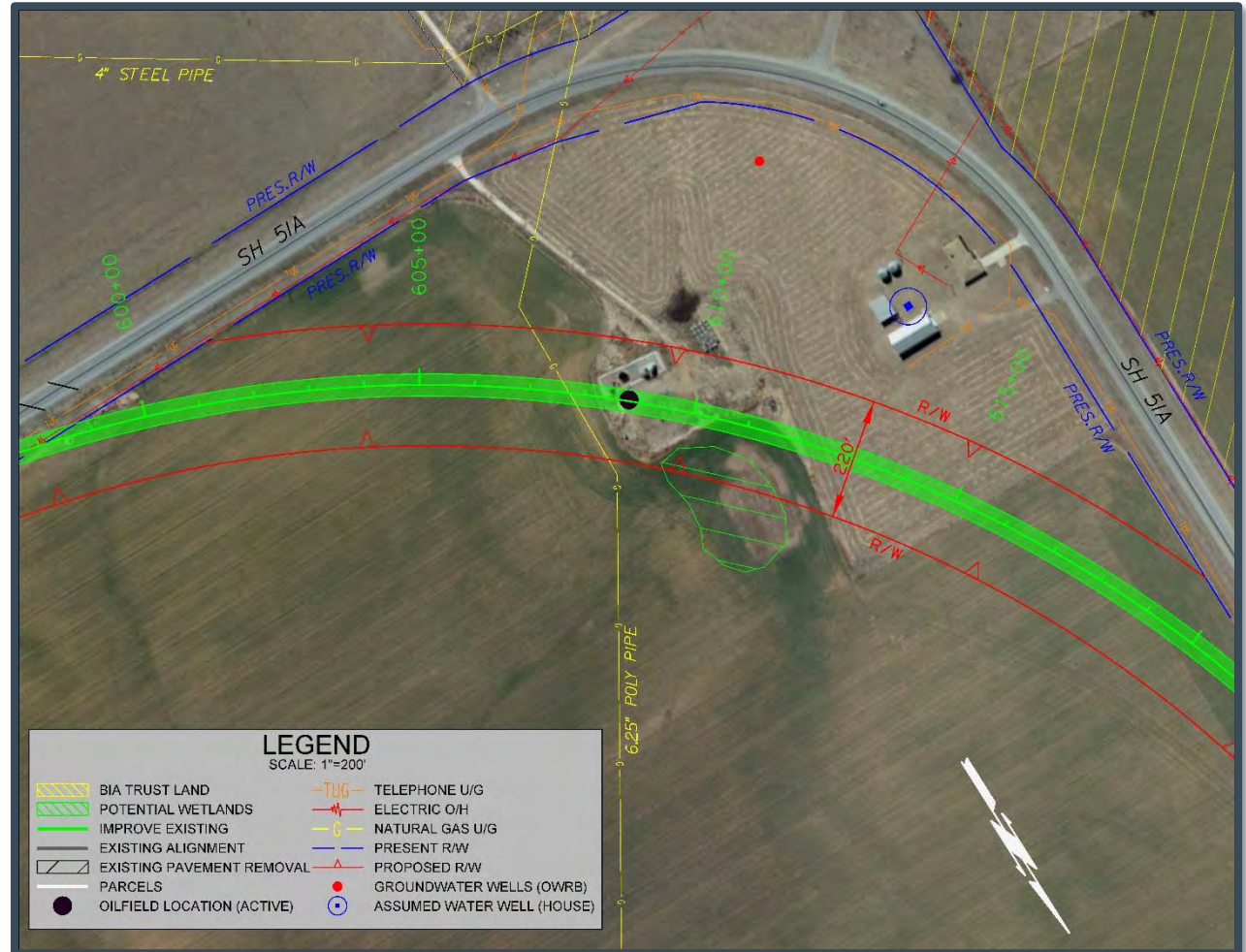
Overview

- Construction Cost: \$5.46M
- 65 mph Design Speed
- Maintains Existing SH-51A Alignment
- Approx. 29 Acres of new Right-of-Way (Smallest amount)
- Sharpest / Steepest Curves
- Crosses an Active Oilfield Location
- No Potential Residential Relocations
- 1 Acre Potential Wetland Impact



IMPROVE EXISTING ALIGNMENT ALTERNATIVE *cont'd...*

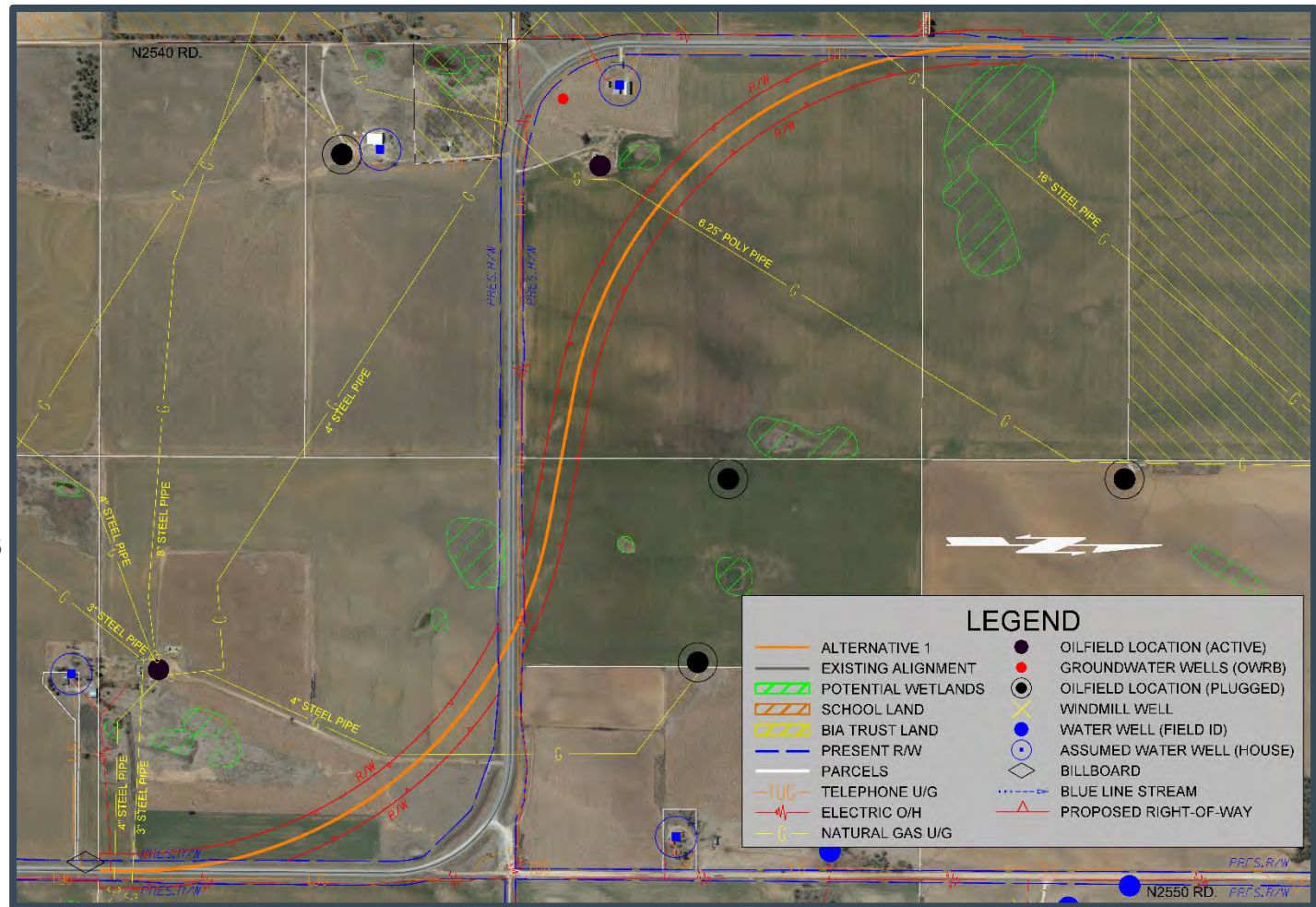
- Approx. 29 Acres of new Right-of-Way
- Direct Impact to an Active Oil Well
- 4 Gas Line Crossings
- 5 Property Impacts
- No Potential Residential Relocations
- 1 Acre Potential Wetland Impact



ALTERNATIVE 1

Overview

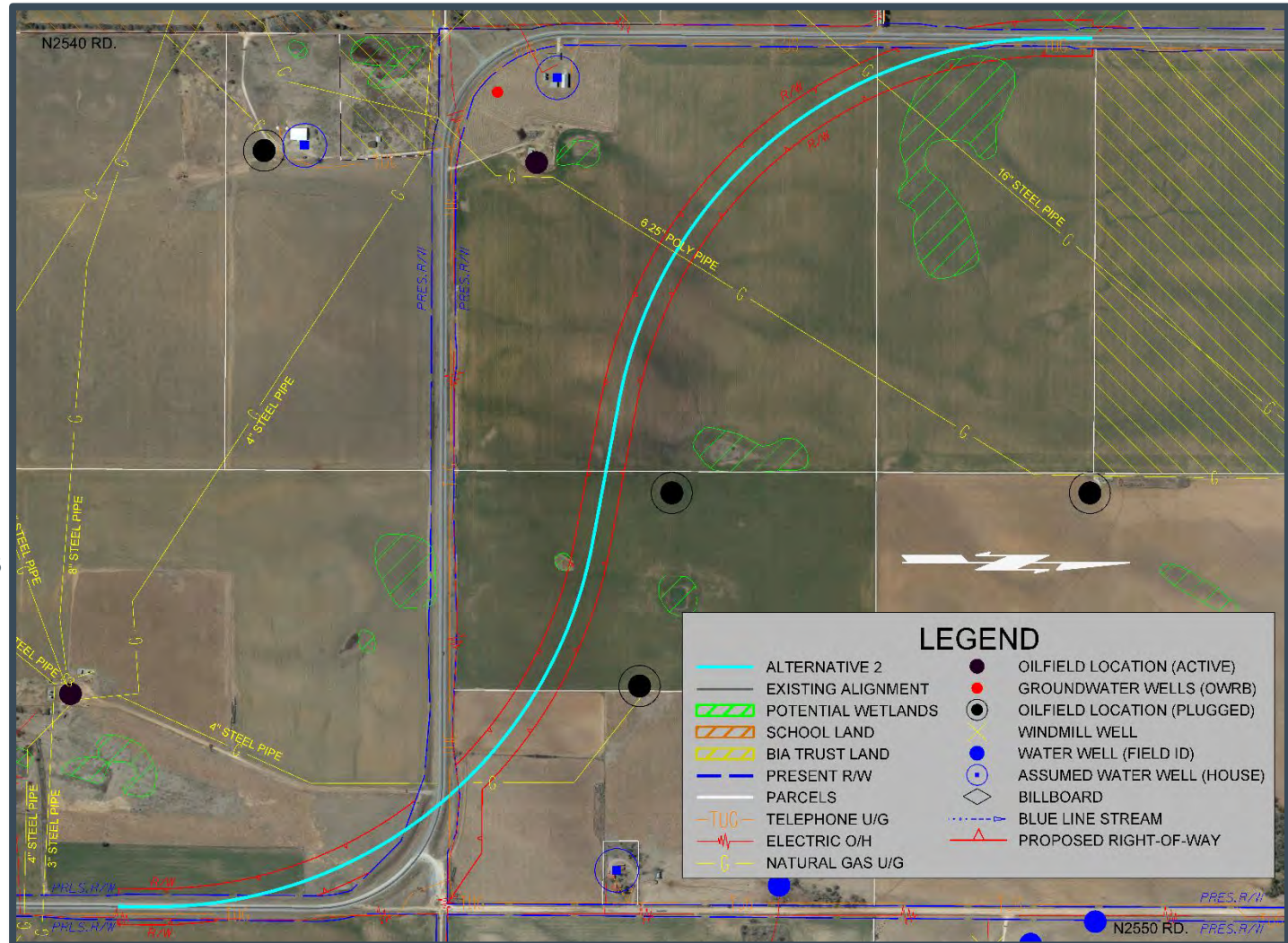
- Construction Cost: \$5.94M
- 65 mph Design Speed
- Approx. 37 Acres of new Right-of-Way
- 5 Gas line Crossings
- 7 Property Impacts
- No Potential Residential Relocations



ALTERNATIVE 2

Overview

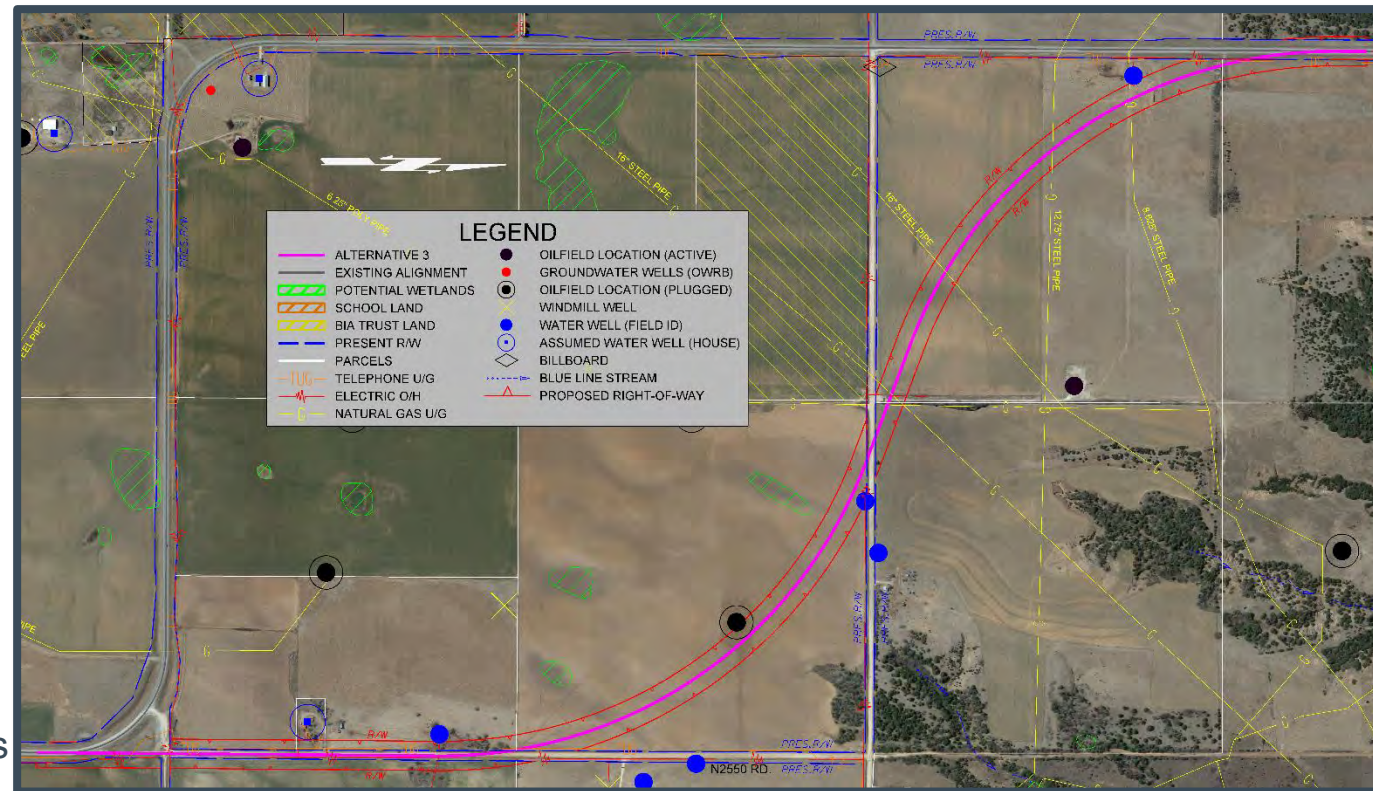
- Construction Cost: \$5.96M
- 65 mph Design Speed
- Approx. 39 Acres of new Right-of-Way
- 3 Gas Line Crossings (Fewest number)
- 6 Property Impacts
- No Potential Residential Relocations
- 0.6 Acre Potential Wetland Impact



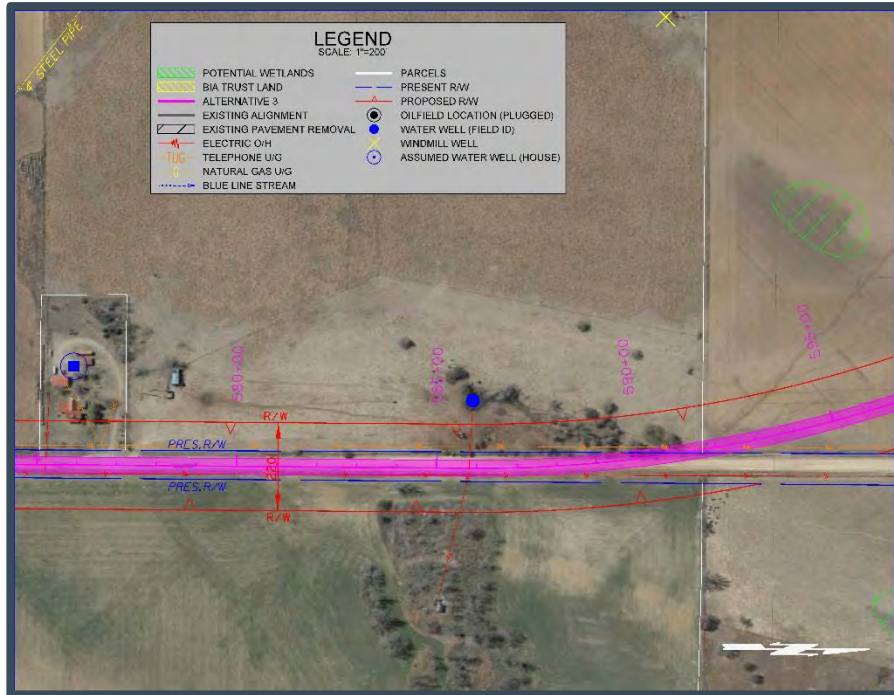
ALTERNATIVE 3

Overview:

- Construction Cost: \$8.31M
- 65 mph Design Speed
- Wider Curves
- Requires the Longest Addition of Roadway
- Highest Right-of-Way & Utility Cost
- Most Environmental Impacts
 - Approx. 50 Acres of new Right-of-Way
 - 1 Water Well Impact
 - 1 Plugged Oilfield Well Site
 - 5 Gas Line Crossings
 - 10 Property Impacts
 - 1 Potential Residential Relocation

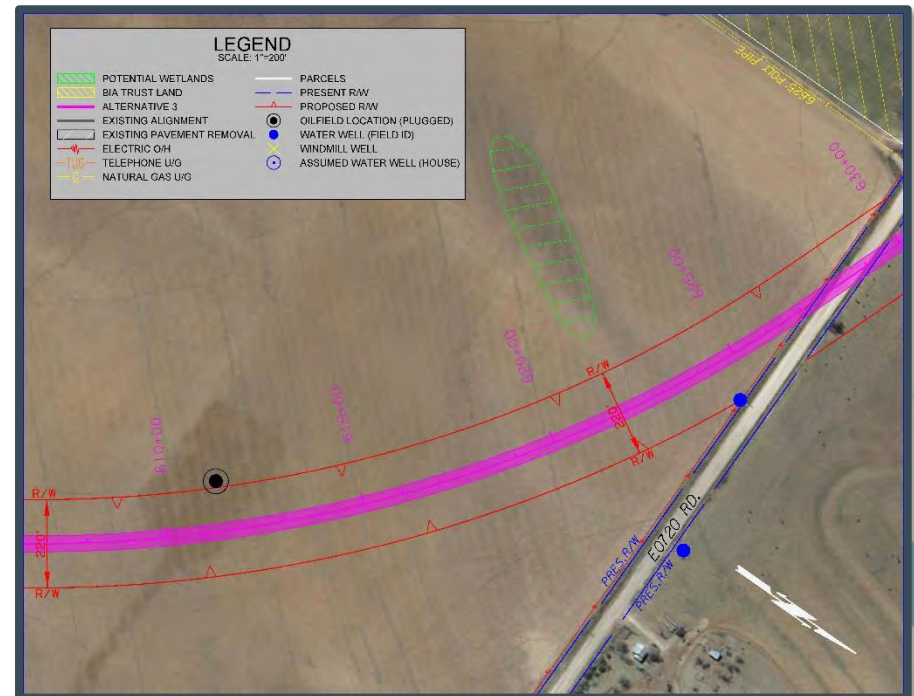


ALTERNATIVE 3 *cont'd...*



- Oilfield Site (Plugged Well)
- Water Well Impact

- Potential Relocation of Residential Property



ALTERNATIVE COMPARISON



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PROJECT SUMMARY MATRIX									
JP 20932(04)									
SH-51A, approximately 7.5 miles south of Southard, Blaine County, Oklahoma									
	Total Construction Cost	Right-of-Way Cost	Utility Cost	Total Alternative Cost (1)	Utility Type & Impact	Approximate Right-of-Way	Hazardous Waste Issues	Potential Residential Relocations	Potential Wetland Impacts
					Crossing(s)	Acres	Wells / Pipelines	Number of Relocations	NWI Mapped Acres
IMPROVE EXISTING	\$5,464,000	\$44,000	\$191,000	\$6.27M	OH Electric: 1 Natural Gas: 4 Telephone: 2	29	1 / 4	0	1
ALTERNATIVE 1	\$5,939,000	\$56,000	\$239,000	\$6.86M	OH Electric: 1 Natural Gas: 5 Telephone: 2	37	0 / 5	0	0
ALTERNATIVE 2	\$5,962,000	\$58,000	\$143,000	\$6.78M	OH Electric: 1 Natural Gas: 3 Telephone: 3	39	0 / 3	0	0.6
ALTERNATIVE 3	\$8,306,000	\$146,000	\$239,000	\$9.56M	OH Electric: 3 Natural Gas: 5 Telephone: 3	50	1 / 5	1	0

(1) Includes a 10% Contingency
All Alternatives Have a Low Impact Potential for Cultural Resources and Threatened & Endangered Species



THANK YOU!

QUESTIONS & COMMENTS

- More information is available online at www.odot.org/publicmeetings
- Comments may be provided as follows:
 - Leave your comment form here tonight
 - Download and fill out a form online
 - Mail or fax forms to ODOT at:

Oklahoma Department of Transportation
Environmental Programs Division
200 NE 21st Street
Oklahoma City, OK 73105
Fax No. (405) 522-5193
- Email comments to:

environment@odot.org
- Comments due by August 11, 2015