



City of Norman Public Meeting

***24th Avenue East Widening Project
From Lindsey Street to north of Robinson Street***



Project Team

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



CITY OF NORMAN

- Mayor Cindy Rosenthal
- Council Member Greg Heiple, Ward 1
- Council Member Jerry Lang, Ward 6
- City Manager, Steve Lewis

- Shawn O'Leary, Director of Public Works
- Scott Sturtz, City Engineer
- Tim Miles, Project Engineer

ATKINS

- Daniel Q. Humphrey, Design Consultant

OKLAHOMA DEPARTMENT OF TRANSPORTATION

- Kevin Bloss, Division III Engineer
- Ron Brown, Division III Construction Engineer
- Chad Meisenburg, Local Government Division
- Geoff Canty, Environmental Consultant

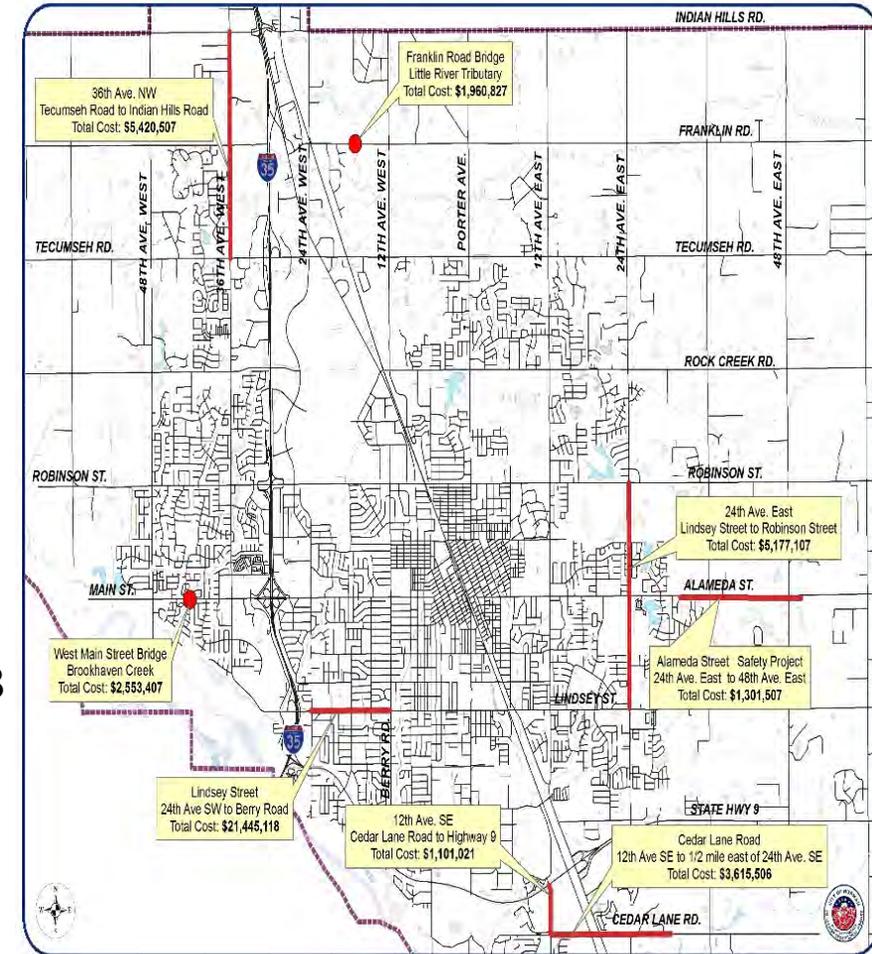
Bond Projects Overview

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



2012 General Obligation Bond Election Projects

- Cedar Lane Road – Construction Complete
- Lindsey Street – 24th Avenue West to east of Imhoff Creek – June 2016
- Franklin Road Bridge over Little River – Summer 2016
- West Main Street Bridge over Brookhaven Creek – Winter 2016
- 12th Avenue East – Cedar Lane Road to SH-9E – Spring 2017
- 24th Avenue East – Lindsey Street to north of Robinson Street – Winter 2018
- 36th Avenue West – Tecumseh Road to Indian Hills Road – 2020
- East Alameda Street – Ridge Lake Blvd. to 48th Avenue East – 2020



Project Benefits

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



- **Reduces traffic congestion**
- **Improves traffic safety**
- **ADA accessible sidewalks, including disabled and seniors**
- **Dedicated bike lanes**
- **Storm water enhancements – reduces flooding**
- **Safer intersections: Lindsey – Alameda – Robinson**
- **Improvements to public & private utilities**

Project Breakdown

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



South Mile

- Begin at the 24th Avenue East and Lindsey Street Intersection Improvements
- End at the 24th Avenue East and Alameda Street Intersection Improvements

Project Breakdown

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



North Mile

- Begin at the 24th Avenue East and Alameda Street Intersection Improvements
- End at Ashwood Lane
- North of Robinson Street

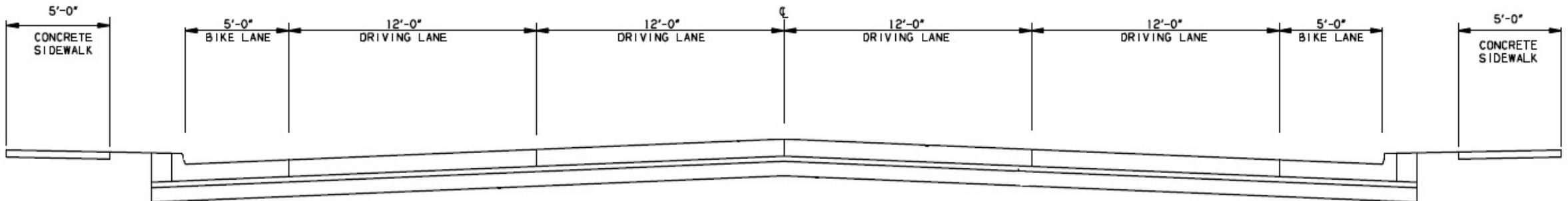
Proposed Enhancements

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



Roadway Improvements

- 2-lane to 4-lane roadway
- 12-foot driving lanes
- Improved sight distance through correcting vertical curves
- Addition of a storm water system
- Continuous sidewalks on both sides of the street
- Multimodal improvements including bike lanes



Proposed Roadway Cross Section

Proposed Enhancements

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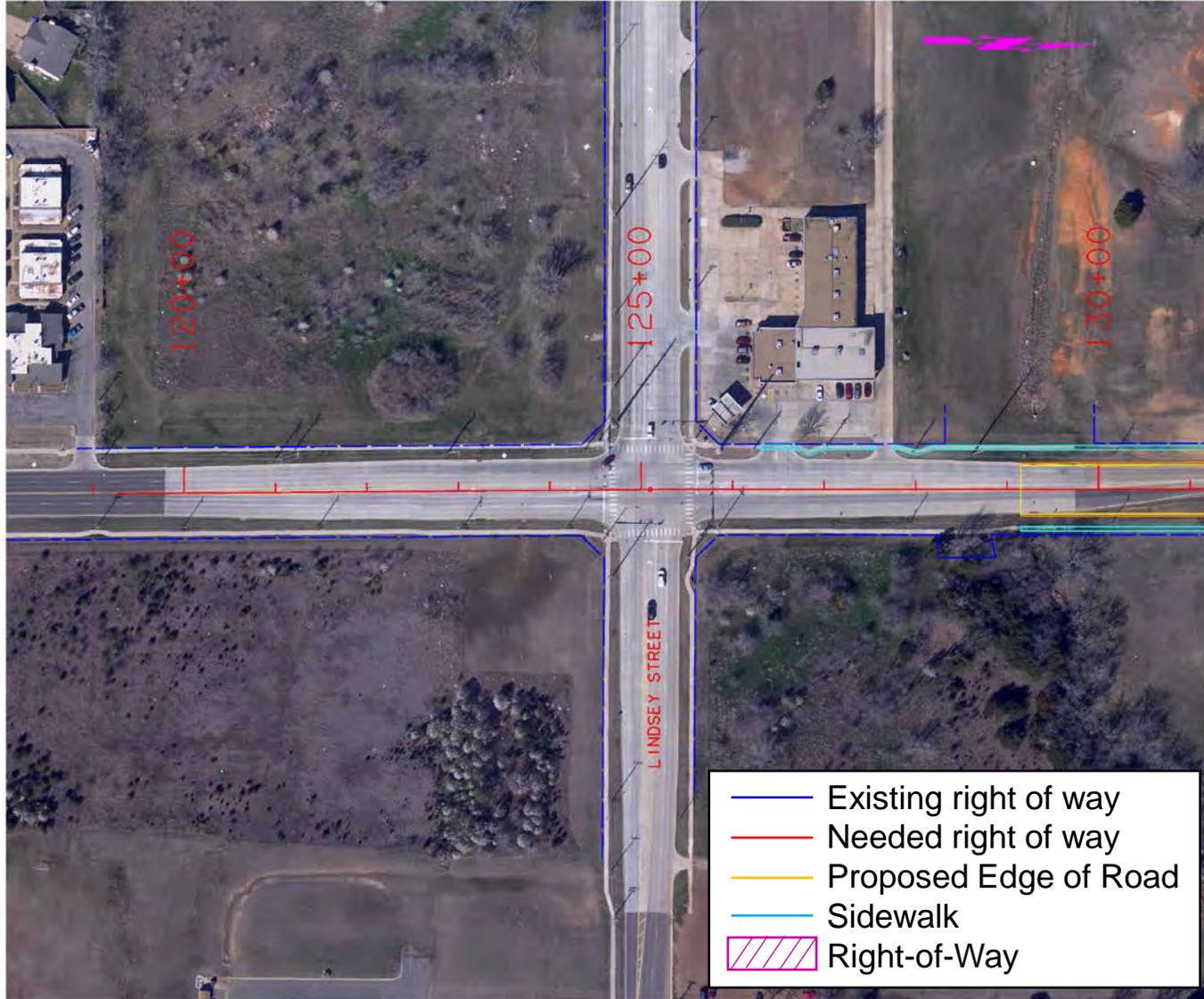
Multimodal Enhancements

- Exclusive 5-foot bicycle lanes on both sides
- Continuous sidewalks throughout the corridor
- ADA Compliance upgrades to existing facilities



Project Breakdown

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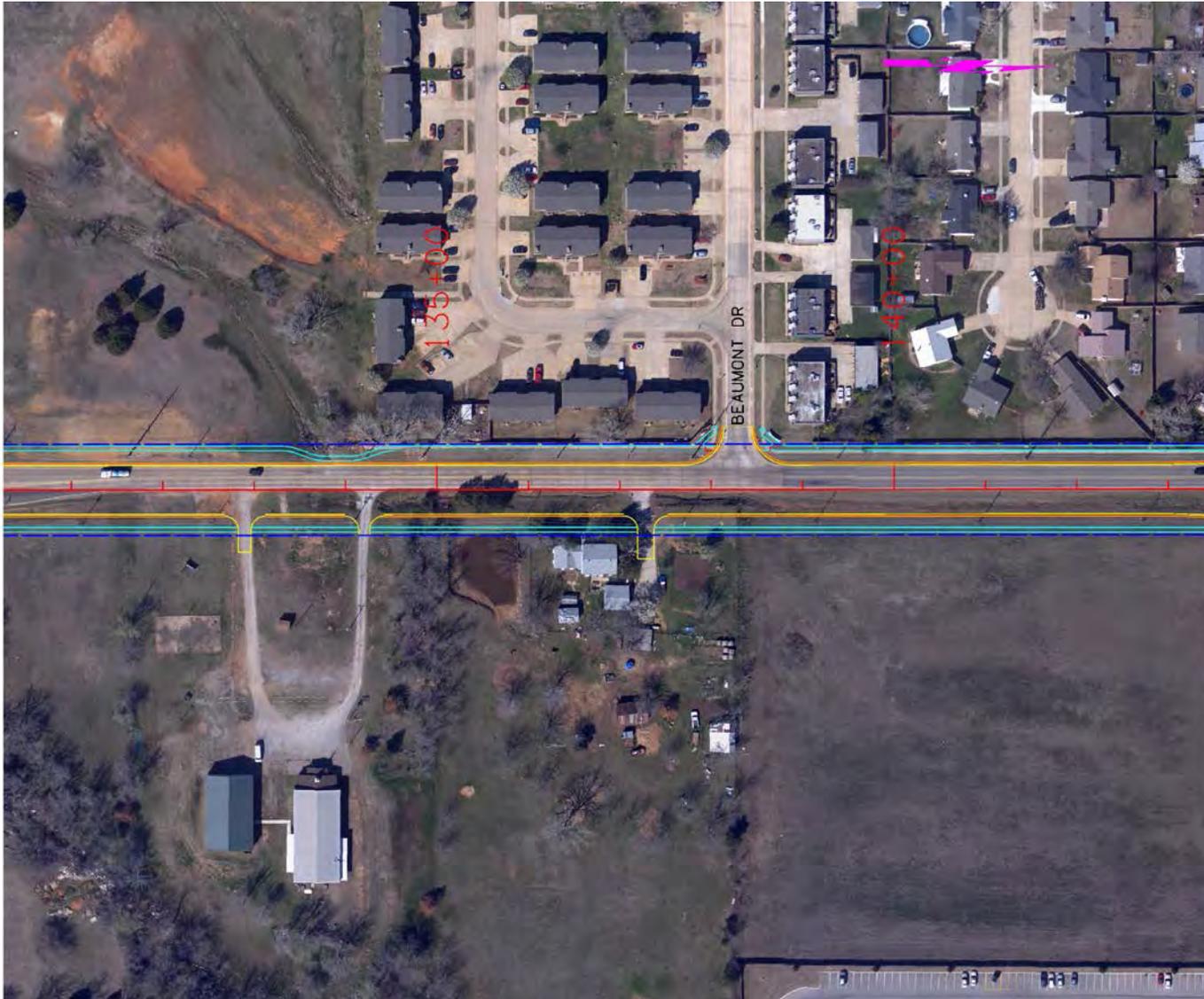


Lindsey Street Intersection

- Constructed in 2008
- 5 lane signalized intersection
- This project will tie onto the north leg of the Lindsey Street Intersection

Project Breakdown

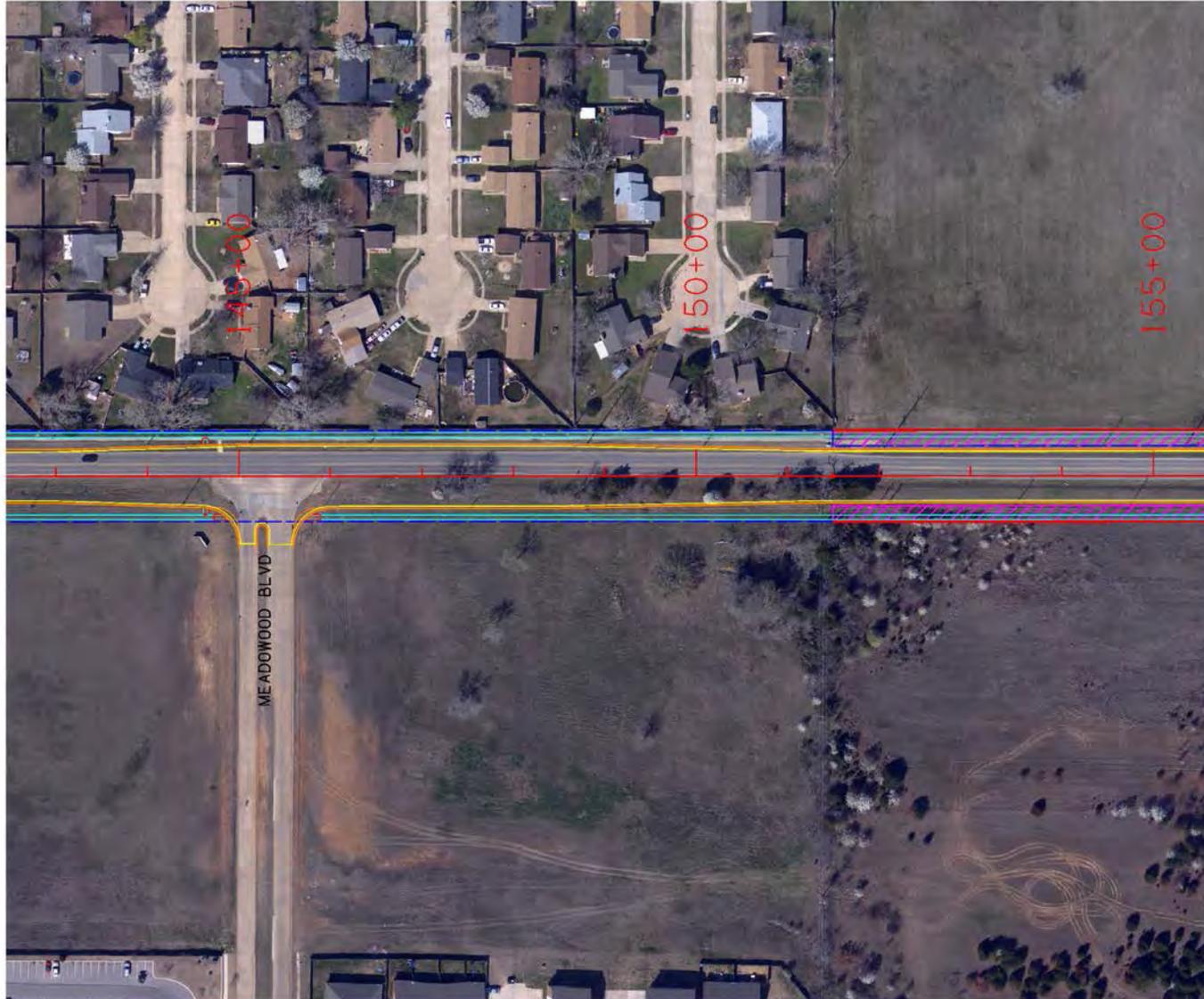
Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



- Right edge of existing roadway runs along the section line
- Improvements will extend east of the section line
- Add improved underground storm water system

Project Breakdown

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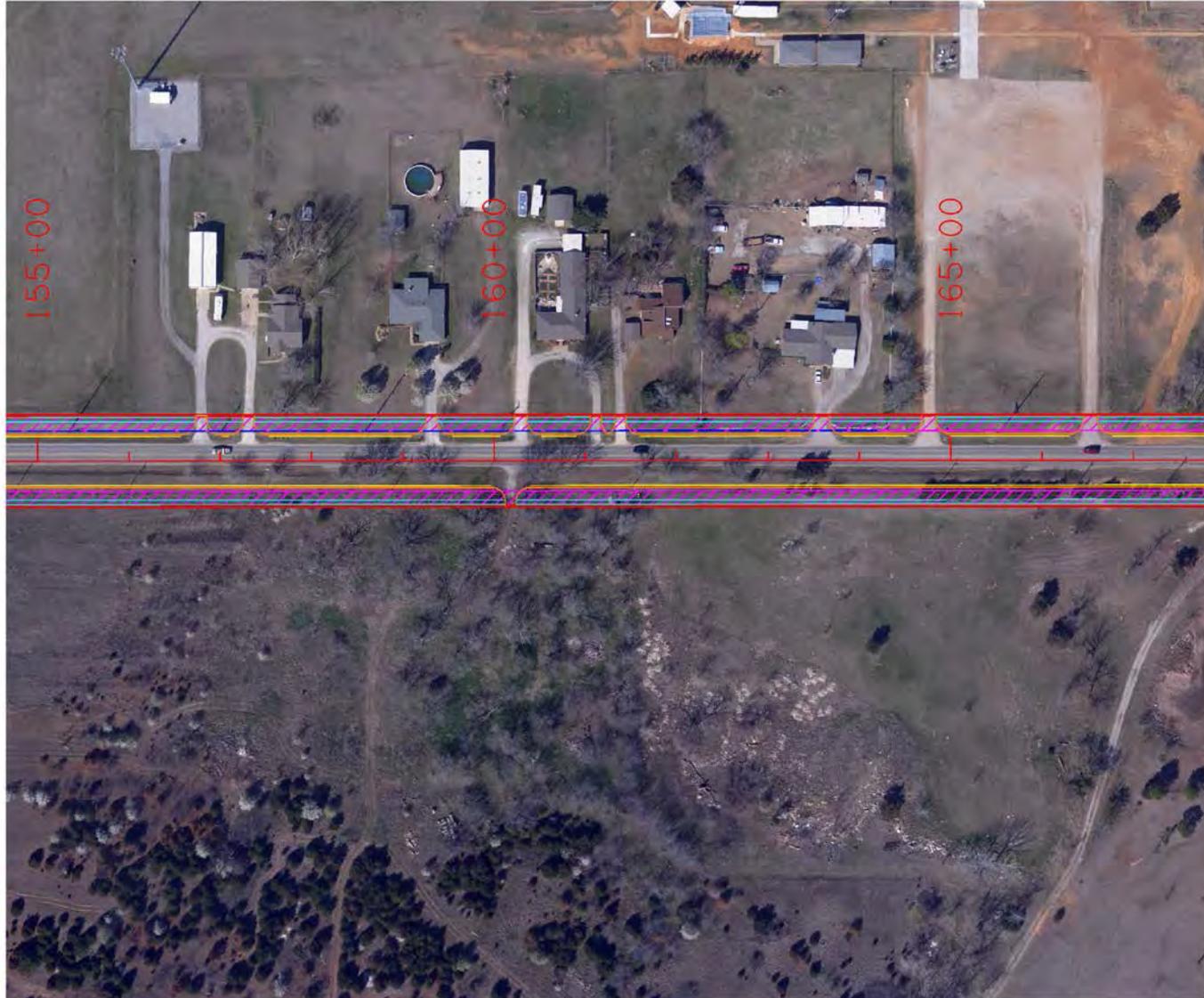


Meadowood Boulevard Intersection

- Add left turn lane for southbound traffic onto Meadowood Blvd
- Cannot signalize until traffic warrants are met
- Deferral funds and traffic impact fees will be used to fund the project once warrants are met

Project Breakdown

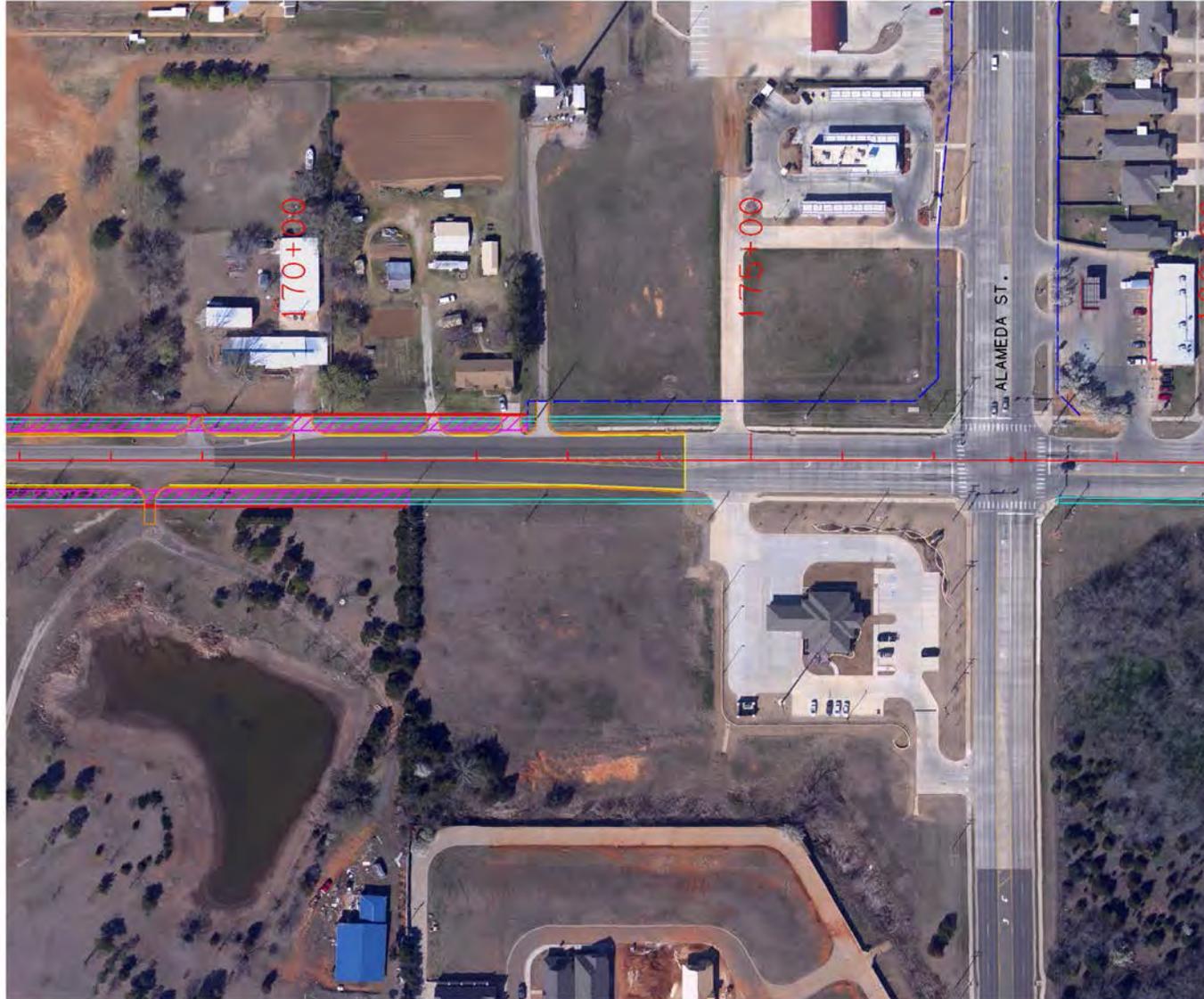
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- Reconstruct driveways into the sports complex
- Reconstruct residential driveways
- Improved storm water system

Project Breakdown

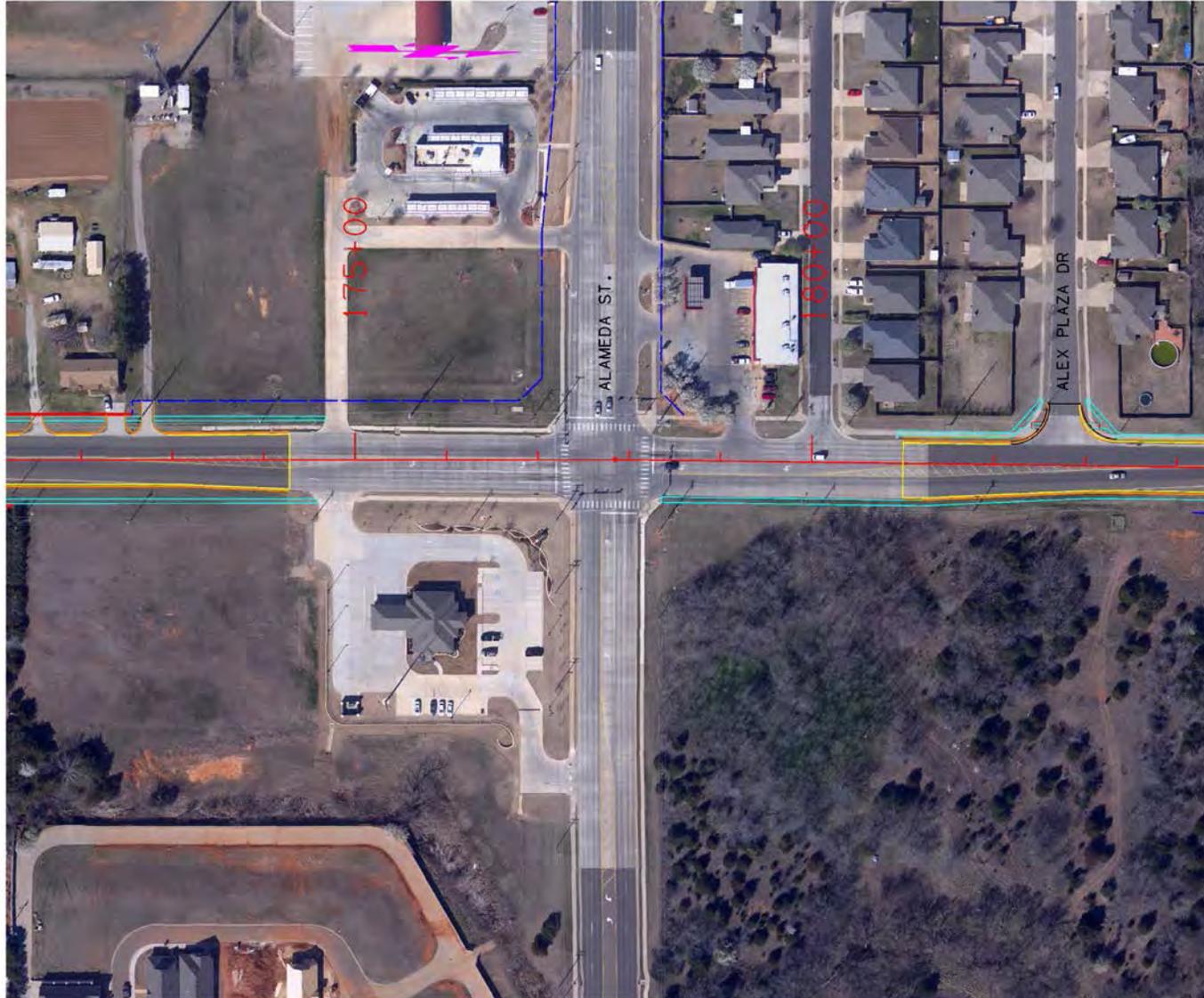
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- Tie into Alameda Street intersection improvements

Intersection Improvements

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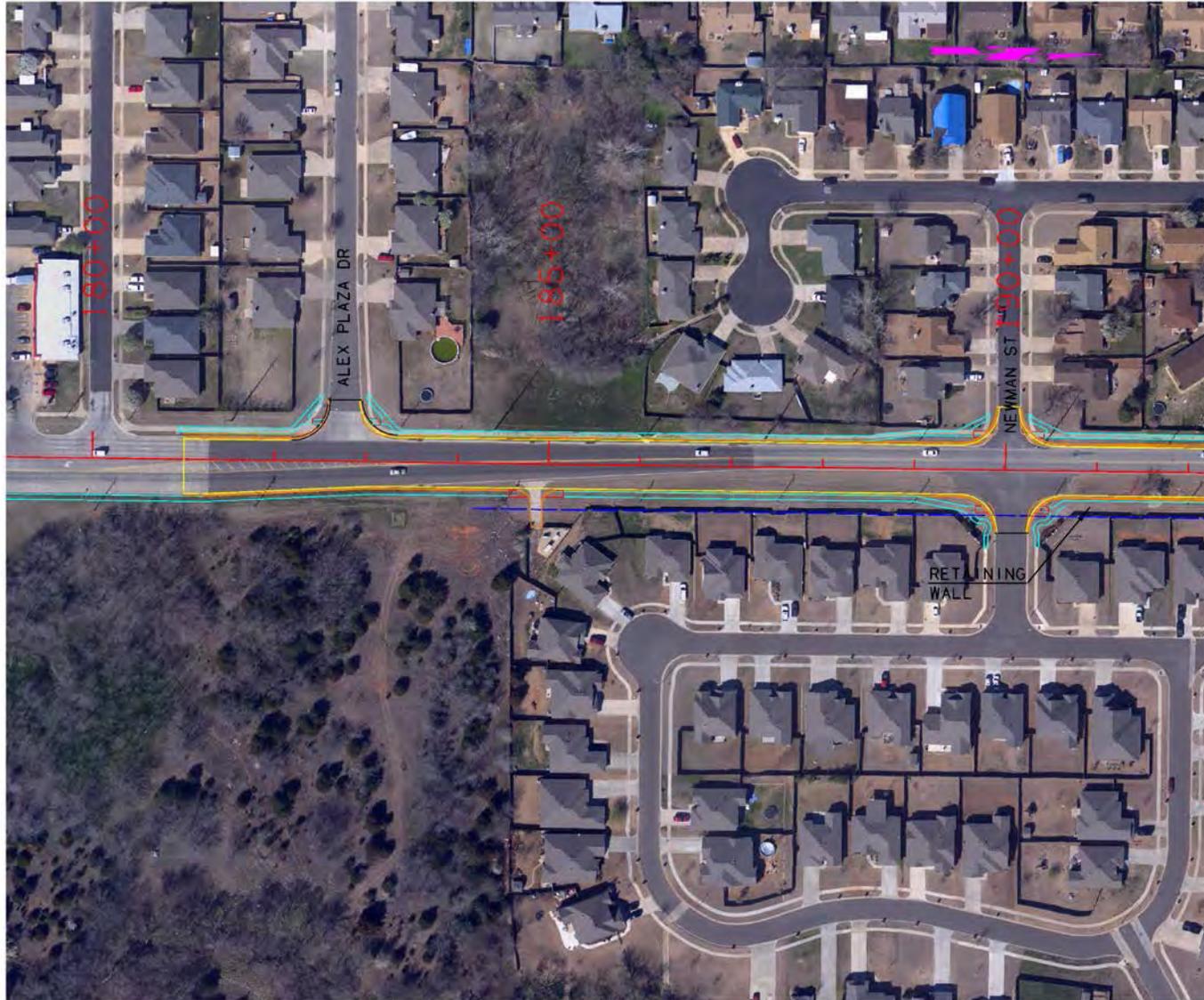


Alameda Street Intersection

- Constructed in 2005
- 5 lane signalized intersection
- Dedicated right turn lane from eastbound Alameda to southbound 24th Avenue

Project Breakdown

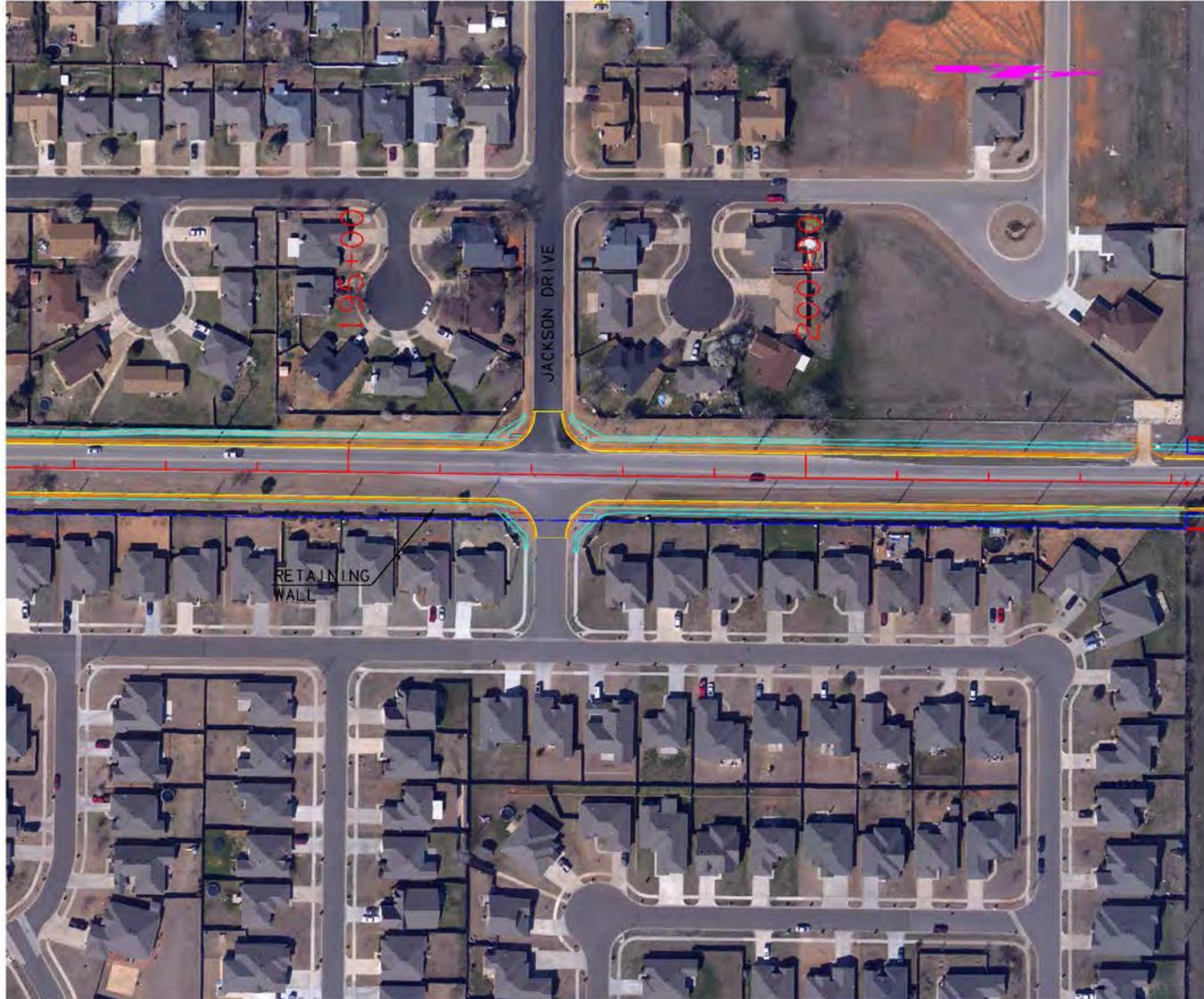
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- Begin the north mile at the Alameda Street intersection improvements
- Begin construction of retaining wall at Newman Street

Project Breakdown

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- Complete retaining wall construction at Jackson Drive
- Adjust road elevation north of Jackson Drive to improve sight distance

Project Breakdown

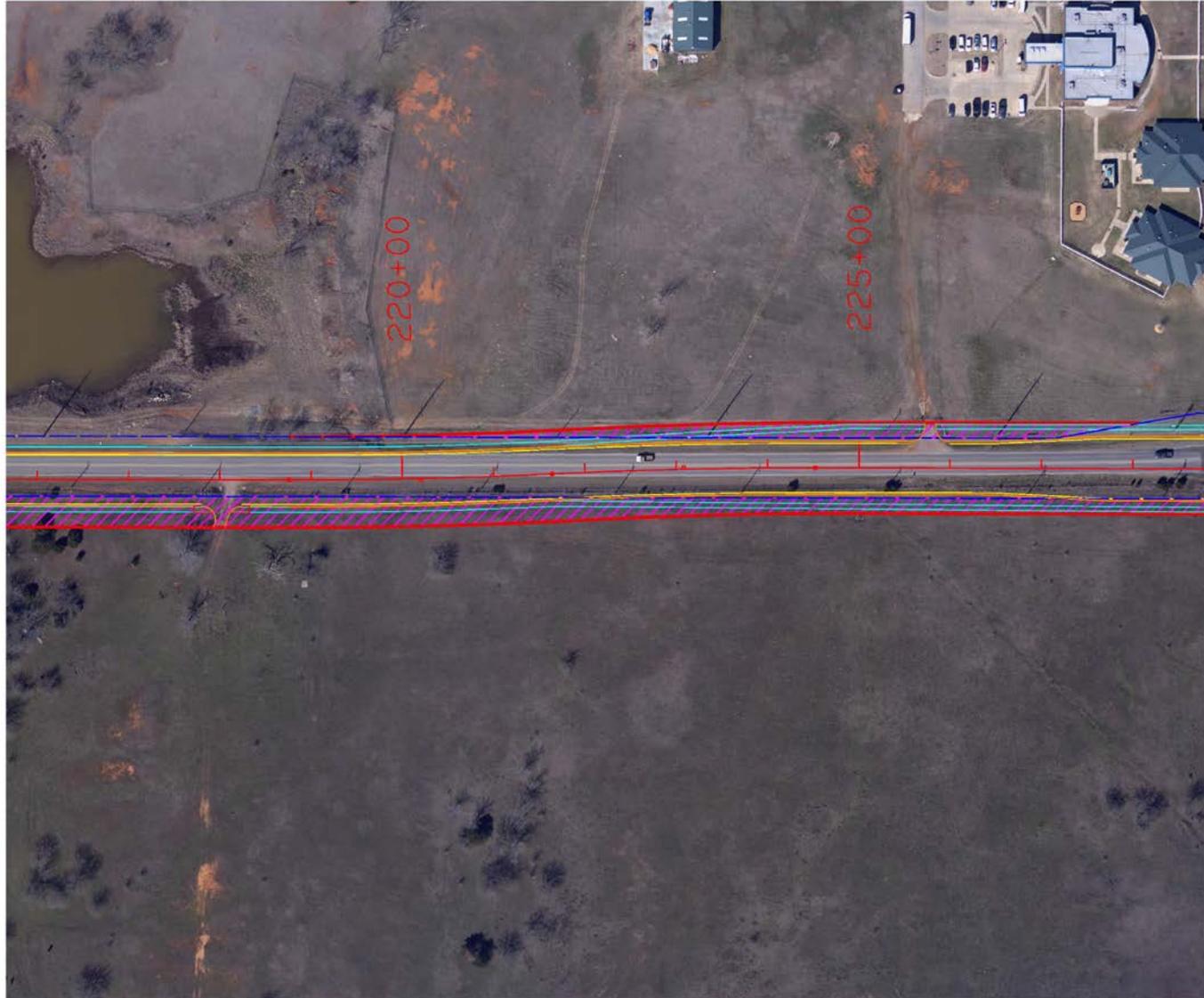
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- Begin roadway shift to avoid JD McCarty dam
- Relocate City water line and sanitary sewer
- Construct improved storm water drainage crossing from dam

Project Breakdown

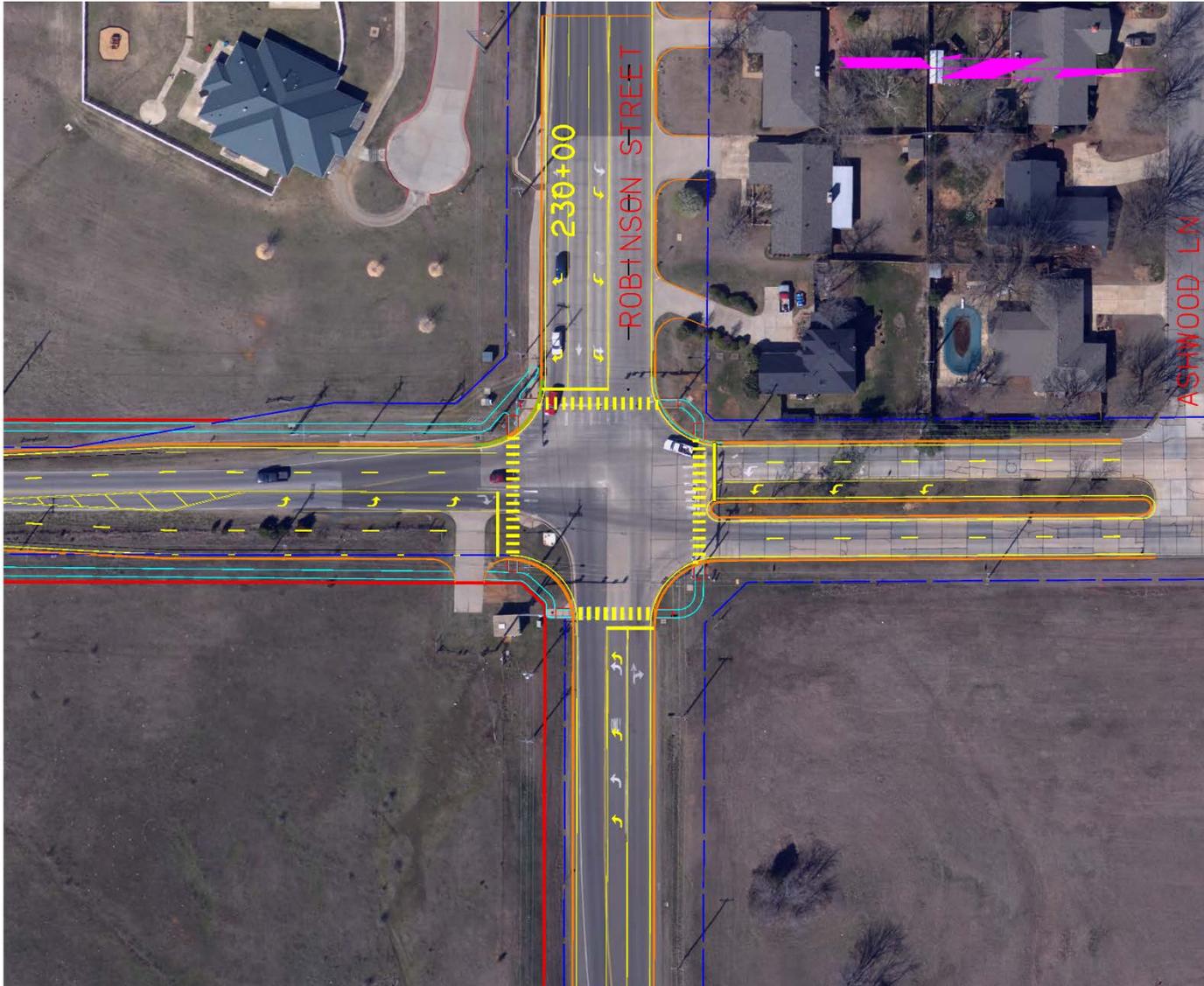
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- Shift roadway back into alignment
- Begin widening for intersection improvements

Intersection Improvements

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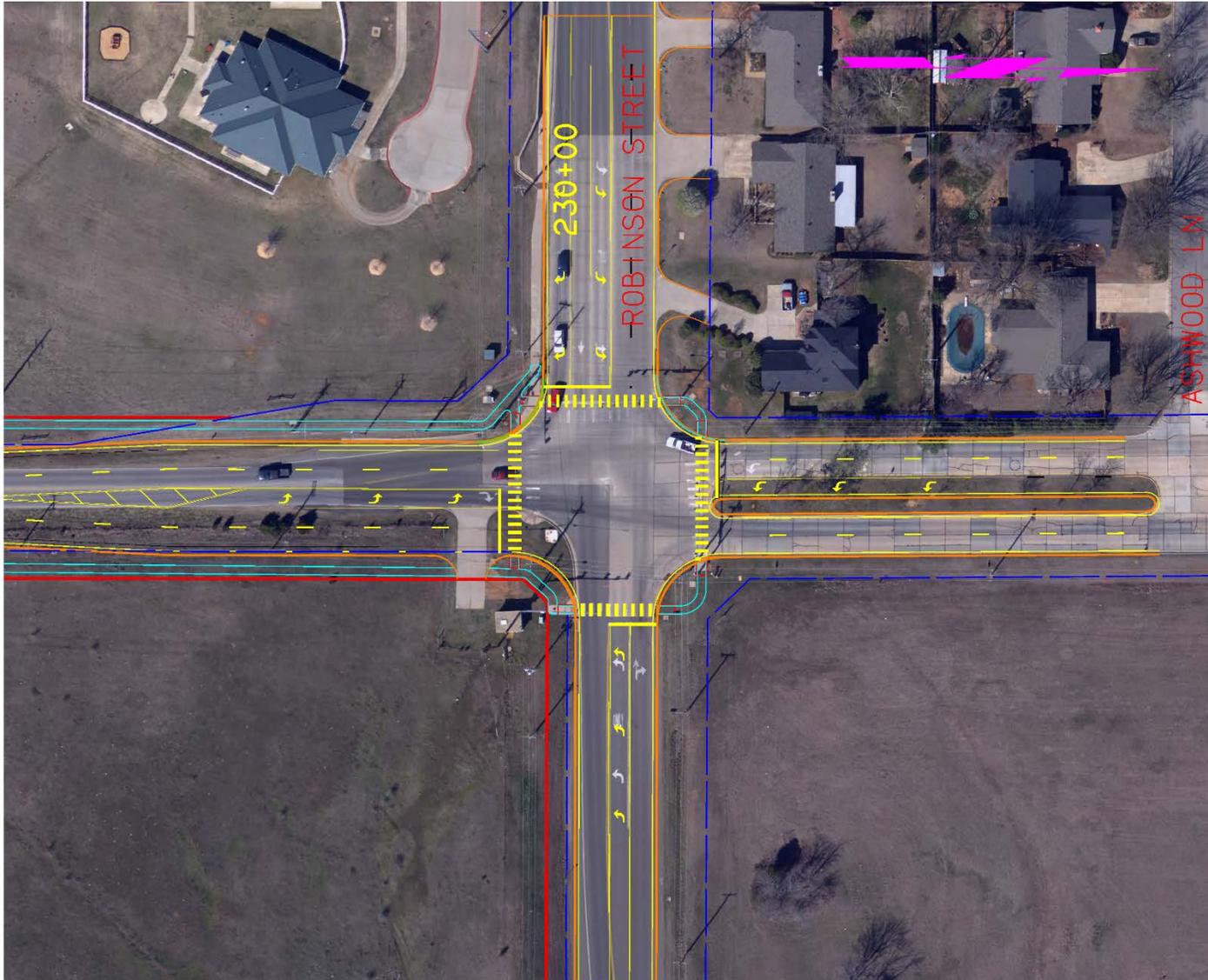


Robinson Street Intersection

- Reconstruct the Robinson Street intersection back to Ashwood Lane
- Reconstruct Robinson Street to 300 feet either side of 24th Avenue
- Adjust Robinson Street cross slope for a safer transition through the intersection
- Align the northbound lanes to match the Hall Park northbound lanes

Intersection Improvements

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Robinson Street Intersection

- Reduce center median width to add a protected left turn lane for southbound 24th Avenue traffic
- Modify existing signals to meet the new intersection layout
- Add pedestrian poles and push buttons
- Construct ADA Compliant sidewalk ramps and install crosswalks

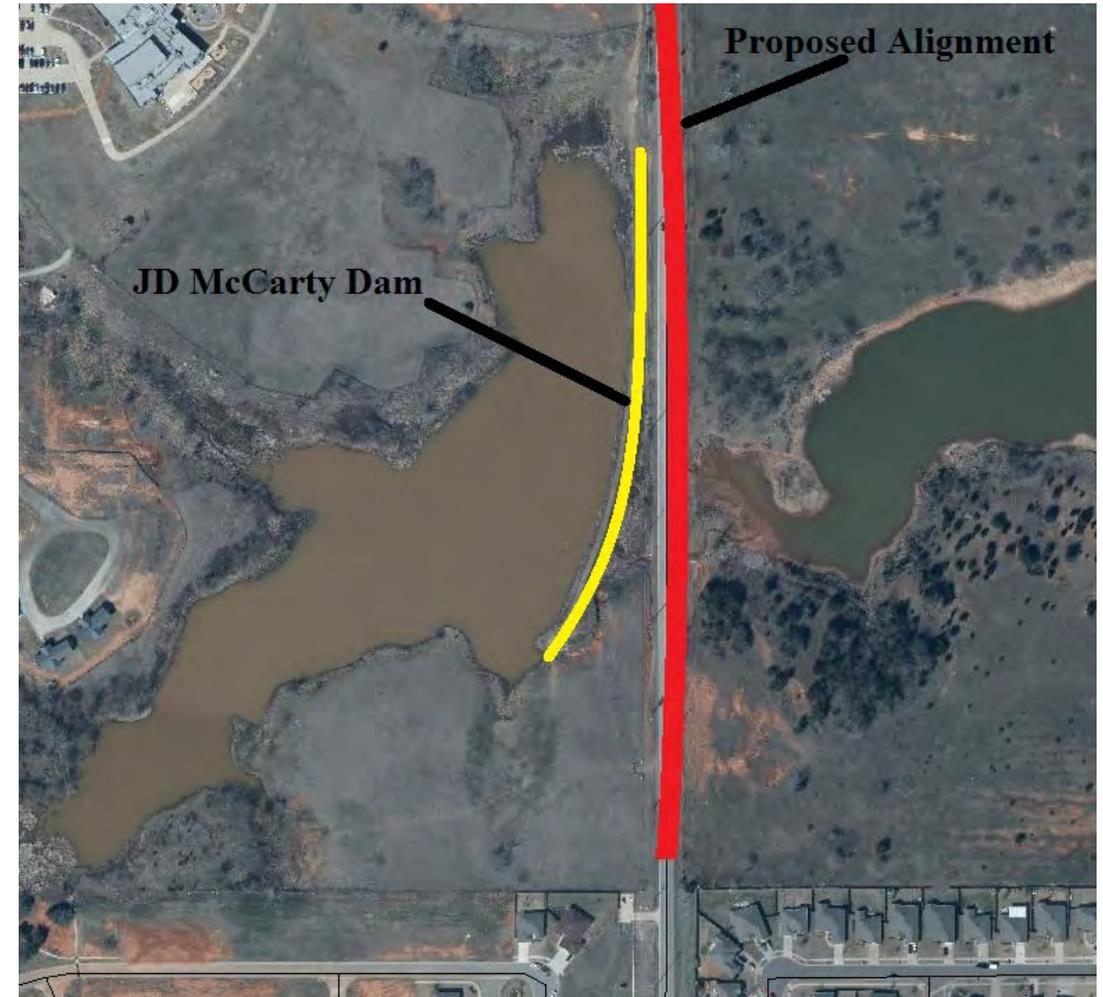
Specific Project Concerns

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JD McCarty Pond Dam

- Roadway will shift to the east to avoid the dam
- Roadway will be elevated with adequate drainage pipes installed



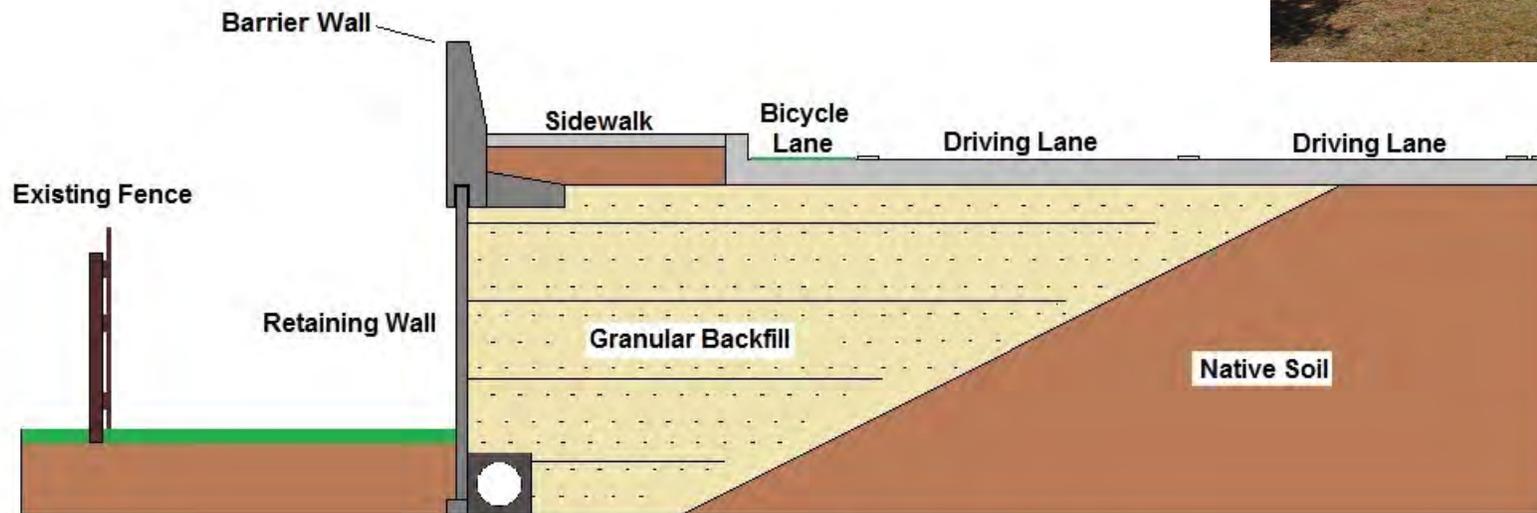
Specific Project Concerns

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Royal Oaks Addition

- Located between Newman St. and Jackson Dr.
- Elevation difference varies 3 to 10 feet
- Retaining wall will be constructed to allow for widening



Retaining Wall Typical Section
at Royal Oak Addition

Utility Relocations

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City Utilities

- Water Line
- Sanitary Sewer

Privately Owned Utilities

- OG&E Transmission Line
- ONG Gas Line
- Phone and communications

Utility construction will begin approximately one year before roadway construction



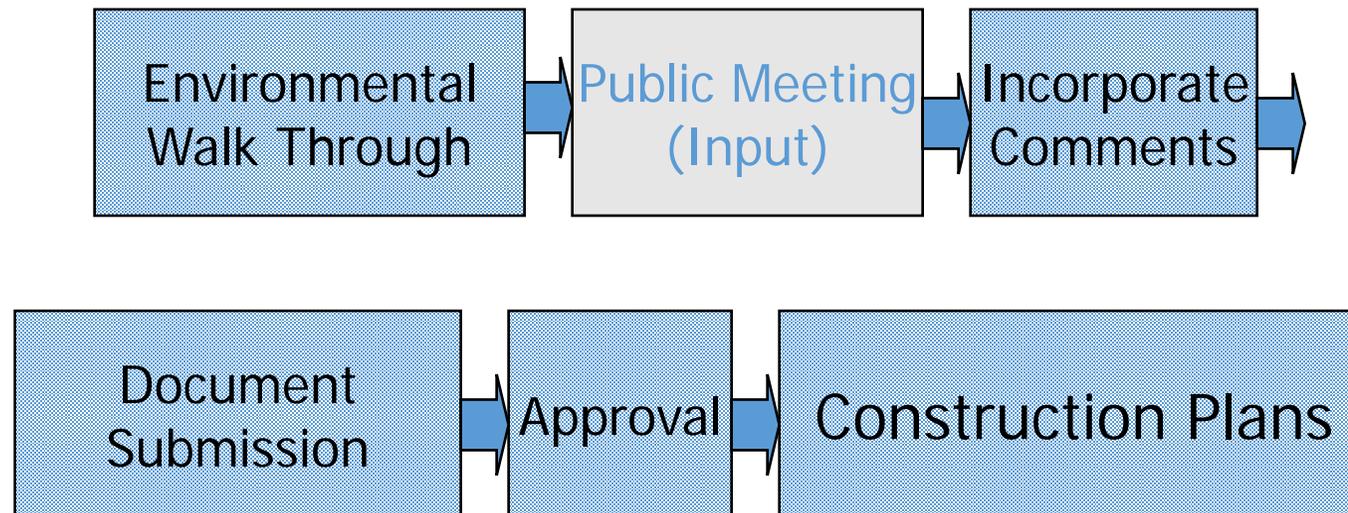


Right-of-Way Needs

- 16 permanent easements will be needed to construct the improvements
 - 11 easements from individual property owners
 - 3 easements from the State of Oklahoma
 - 2 easements from Norman School District
- Permanent easements will incorporate the front 17 feet of the property
- Potential additional utility easements
 - OG&E Transmission Line relocation
 - Impact will be determined after OG&E completes a relocation design
- Platted additions
 - Donated permanent and utility easements during platting process
 - Should not be impacted by right-of-way



Environmental Process



Environmental Review

Public Meeting for 24th Avenue East Project from Lindsey St. to north of Robinson St.



- National Environmental Policy Act (NEPA)
- Decision Making Process
- NEPA is required when federal funding is provided for transportation projects





Environmental 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 Review

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Right-of-Way Impacts

- Some right-of-way required
- No residential or commercial displacements

Stream & Wetland Impacts

- Impacts to waters anticipated
- Requires Army Corps of Engineers review

Cultural Issues & Archeological Sites

- No cultural or archeological impacts



Noise Study

- Completed in accordance with FHWA regulations and the ODOT noise policy
- Utilized the FHWA Traffic Noise Model in predicting existing and future noise levels based on roadway geometry, traffic data, receiver location, and general terrain features
- Modeled receiver input being a location where frequent exterior human activity occurs such as a patio, playground, or pool area
- For residential dwellings, an exterior impact occurs when future noise levels meet or exceed 66 dBA or when there is a substantial increase in future noise levels that exceed existing levels by 15 decibels



Noise Study – Results of the Preliminary Analysis

- For the existing condition, 18 residential receivers are impacted with noise levels meeting or exceeding 66 dBA. Those impacted near receivers occur within Colonial Estates and Alameda Plaza Suite Addition residential developments.
- Based on the proposed project and future traffic, 59 residential receivers will be impacted with future noise levels ranging from 66.0 to 70.1 dBA. The highest increase over existing sound levels is 7.7 dBA.
- Future impacts occur to the near receivers in Colonial Estates, Alameda Plaza Suite Addition, Alameda Park Addition, and Royal Oaks



Noise Study – Noise Mitigation Considerations

- Noise mitigation in the form of a free standing noise wall within the existing right-of-way was considered for the impacted residential dwellings.
- For those impacted receivers within Colonial Estates, Alameda Plaza Suite Addition, and Alameda Park Addition noise mitigation was determined not feasible due to overhead and underground utility conflicts. For these areas, additional right-of-way would be required for construction of sound walls being located approximately 20 feet outside the existing right-of-way line resulting in the displacement of several homes and, in addition, reduction of “useable” space in every backyard
- For those impacted receivers identified within Royal Oaks Addition, based on the latest design information, further barrier analysis is needed to determine if mitigation is feasible and reasonable.

Project Schedule

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Schedule

- Receive comments from public thru March 17, 2016
- Complete environmental documents May 2016
- Begin right-of-way acquisition & utility relocations October 2016
- Project Bid Opening October 2018
- Construct project Winter 2018

Questions & Comments

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Question & Comments

- Copy of this presentation at www.normanok.gov
- Comments may be provided as follows:
 - Leave your comment form here tonight
 - Mail forms to:
City of Norman
Attn: Tim Miles
201 W. Gray St, Bldg. A
Norman, OK 73069
 - Email comments to: Tim.Miles@normanok.gov
- Comments due by March 17, 2016

Thank You

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THANK YOU