

# Norman Planning Commission

## The Norman Comprehensive Transportation Plan (CTP)

April 10, 2014

# Transportation Planning for Moving Forward



- **Framework for growth**
- **Land Use/transportation interface**
- **Multi-modal considerations**
- **System Alignments/ROW Preservation/Design Standards**
- **Coordination with other agency/city plans**
- **Infrastructure and utilities coordination**
- **Capital Improvements Programming**
- **Funding of Improvements**
- **Economic benefit**
- **Statement of Community Policy**



# Guiding Principles, Goals, Objectives



## Special Place to Live

- **Vibrant** Norman Community in 2035
- Transportation and Infrastructure **focus on both people and places**
- Enhanced transportation **choices** and **accessibility**
- Create a **unique place** with **lasting value**
- **Blends** seamlessly with the character of **Norman's neighborhoods, employment centers and activity centers**

## Mobility

- Seamless system of **transportation options** and solutions
- Norman Moving Forward's emphasis on **system management and operations, context sensitive** and **complete streets designs**
- Range of **accessible and convenient, multi-modal transportation choices** that provide connections between neighborhoods and destinations

## Maintain and Preserve Existing Infrastructure

- Priority on **maintenance, rehabilitation, safety** and **reconstruction**
- **Neighborhood viability** through **maintaining streets, sidewalks, utilities, storm water systems** and other infrastructure facilities
- Investments **balance transportation needs** of the community and local neighborhoods

## Fiscal Stewardship

- Provide a **detailed roadmap of actions** for transportation and infrastructure improvements
- Investments **maximize the benefits for multiple user groups** in a way that is **fiscally and environmentally responsible**
- **Input** from the **community-at-large** and ongoing dialogue with **stakeholders**

## Enhance Economic Vitality

- Promotes economic growth while **using resources in an efficient and effective manner**
- Supports a **diverse, vibrant local economy** with a **strong tax base**
- **Reduces the fiscal burden on residents** to provide city services

# Project Overview



- CTP Input and Research
  - Existing System
  - System Needs
- Sub-Committee Work
- Plan Concepts and Refinement
- Modal Plans
- Draft CTP Document
  - Basis for the Plan
  - Transportation System Needs
  - Transportation System Master Plan
  - System Implementation Plan

## CTP Planning Process

1. Guiding Principles, Goals & Objectives

2. Assessment of Existing Systems

3. Assessment of Needs

4. Travel Forecast Modeling

5. Transportation Plan and Prioritization

6. Transportation Policies and Programs

7. Implementation

8. Documentation

# Public Input to the CTP



Dec 2012    Mar 2013    Jun 2013    Sep 2013    Dec 2013    Mar 2014    Apr 2014    May 2014

1. Guiding Principles, Goals and Objectives

2. Existing Transportation Systems

3. Assessment of Transportation Needs

4. Forecast Transportation Conditions

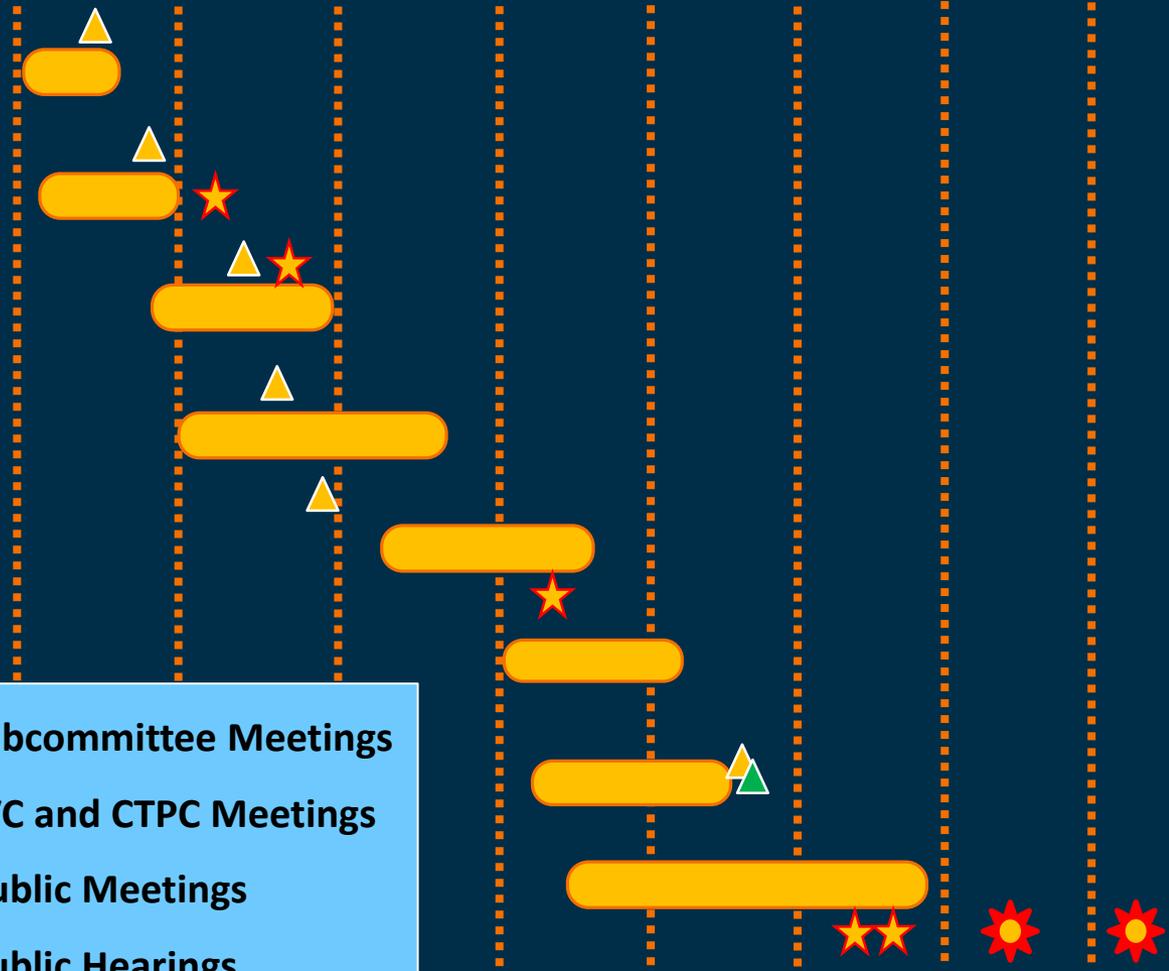
5. Develop Long Range Improvements Plan

6. Transportation Policies and Programs

7. Implementation

8. Documentation

-  Subcommittee Meetings
-  CVC and CTPC Meetings
-  Public Meetings
-  Public Hearings





# Norman Comprehensive Transportation Plan

A Multi-Modal Plan for 2035.

## *Modal Elements*

- *Thoroughfare Plan and Typical Sections*
- *Bike & Pedestrian Plan, Sidewalk Completion Plan*
- *Transit Service Plan*
- *Airport, Freight and Emergency Response*

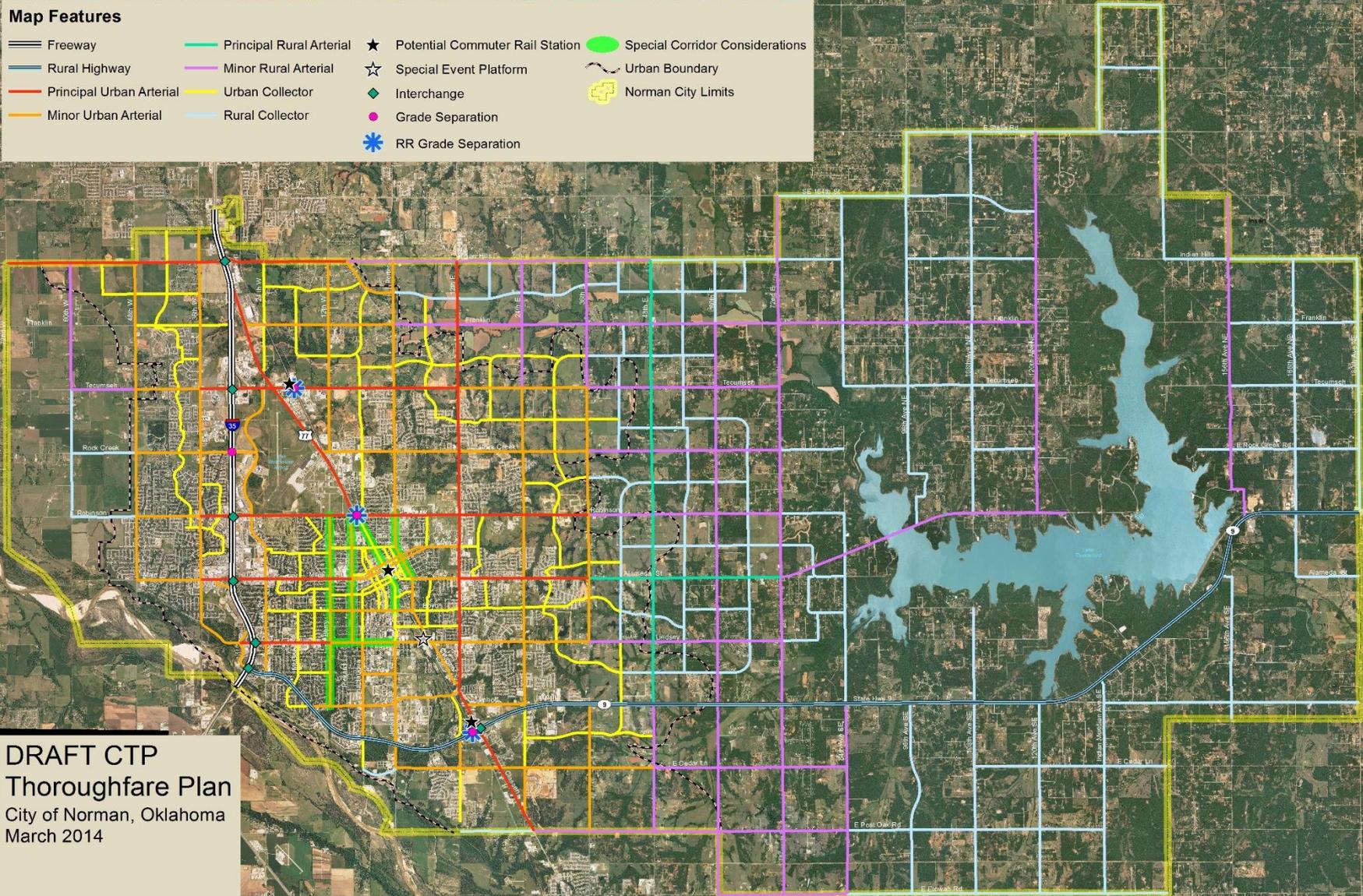


# Thoroughfare Plan

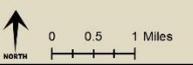


## Map Features

- |                          |                          |                                 |                                 |
|--------------------------|--------------------------|---------------------------------|---------------------------------|
| Freeway                  | Principal Rural Arterial | Potential Commuter Rail Station | Special Corridor Considerations |
| Rural Highway            | Minor Rural Arterial     | Special Event Platform          | Urban Boundary                  |
| Principal Urban Arterial | Urban Collector          | Interchange                     | Norman City Limits              |
| Minor Urban Arterial     | Rural Collector          | Grade Separation                |                                 |
|                          |                          | RR Grade Separation             |                                 |



**DRAFT CTP**  
**Thoroughfare Plan**  
 City of Norman, Oklahoma  
 March 2014

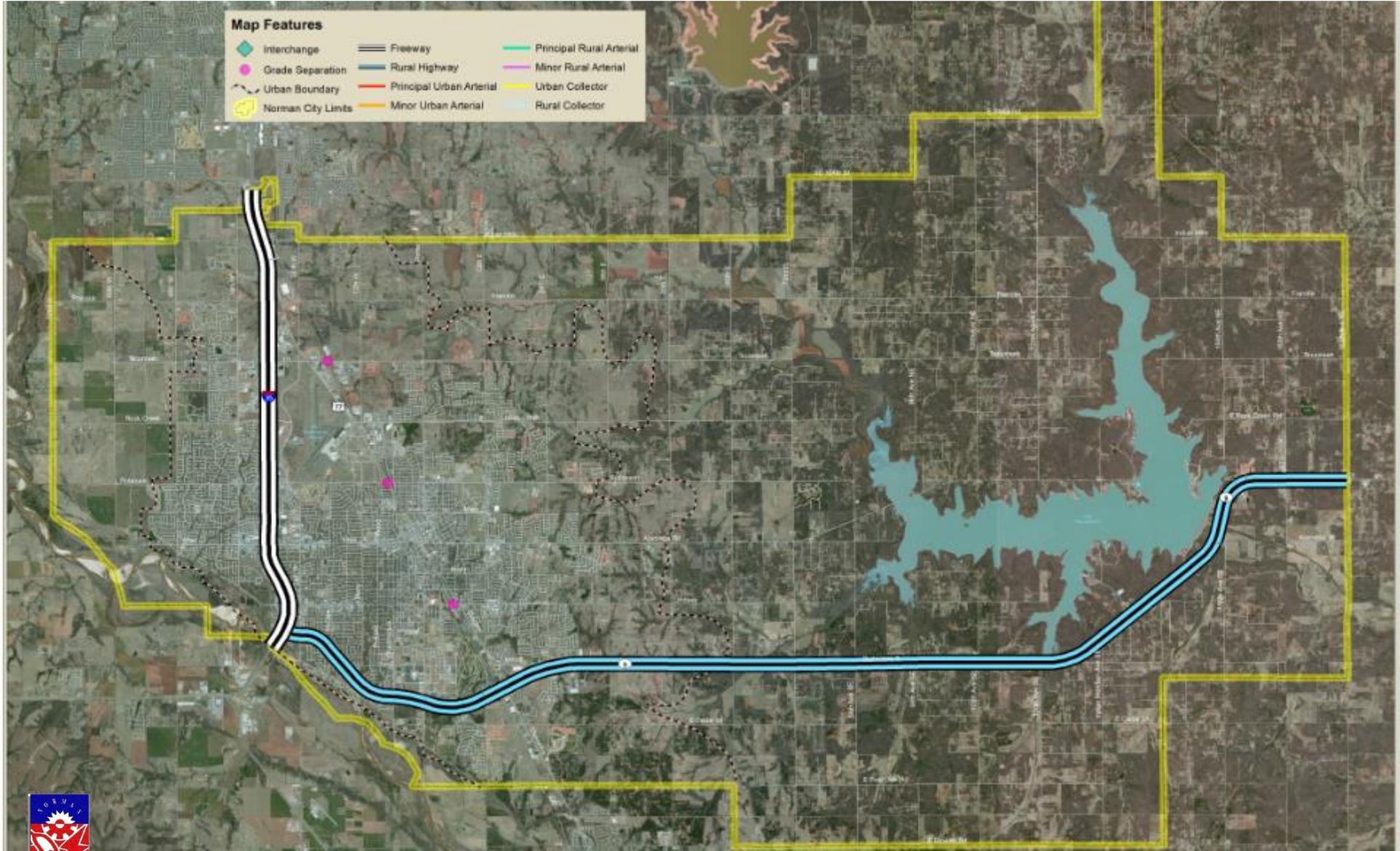


# Thoroughfare Plan



**Map Features**

Interchange	Freeway	Principal Rural Arterial
Grade Separation	Rural Highway	Minor Rural Arterial
Urban Boundary	Principal Urban Arterial	Urban Collector
Norman City Limits	Minor Urban Arterial	Rural Collector

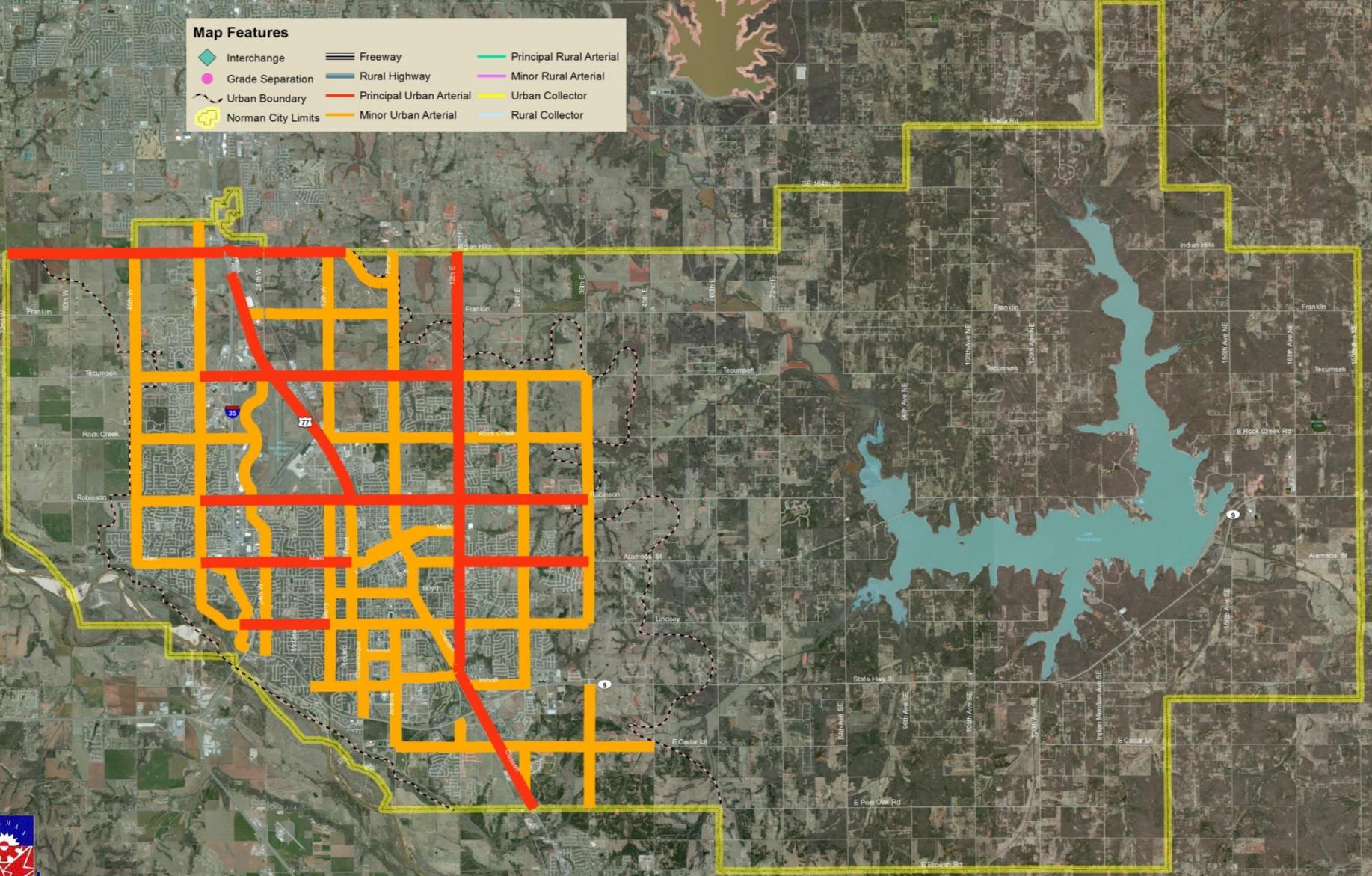


# Thoroughfare Plan



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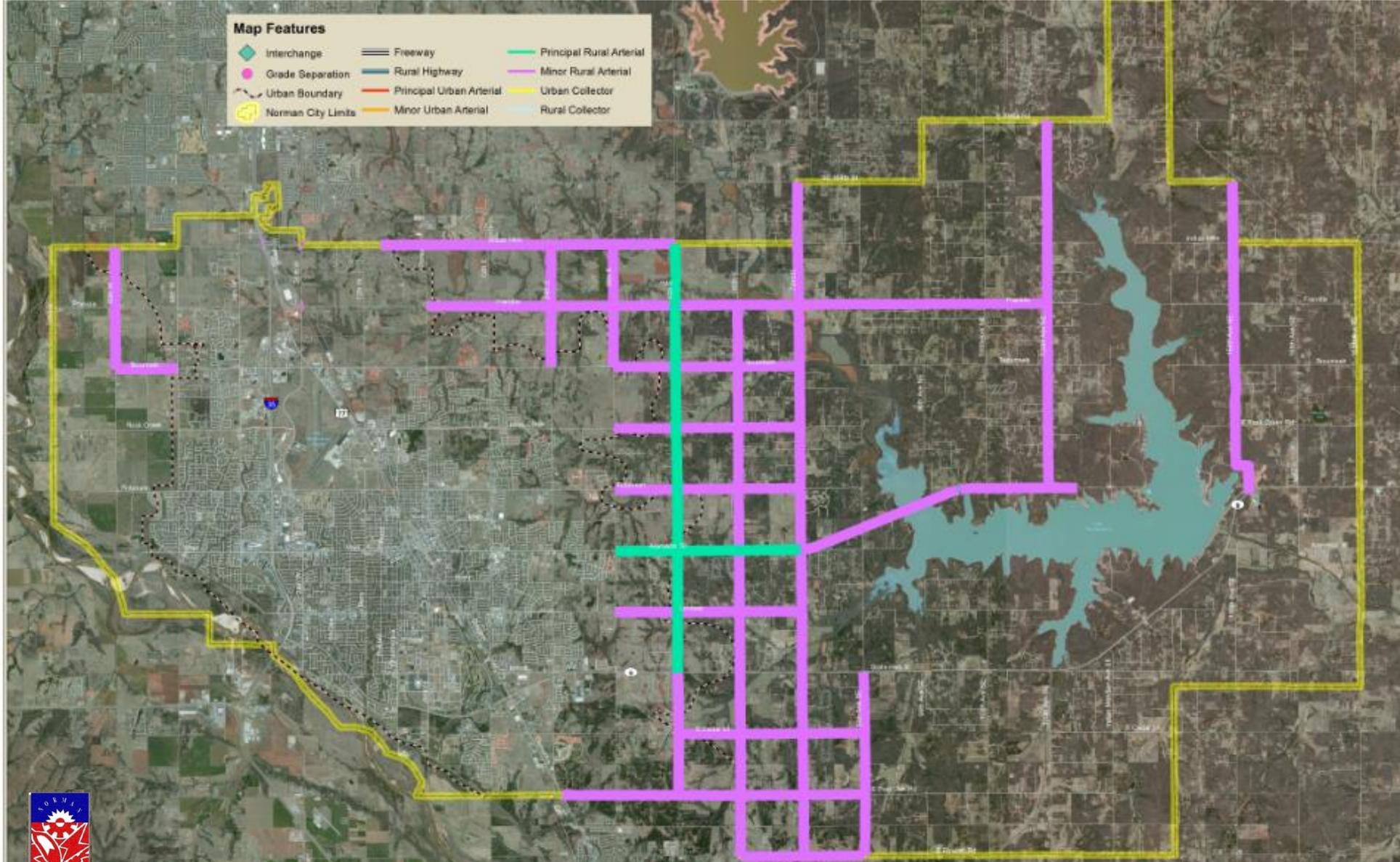


# Thoroughfare Plan



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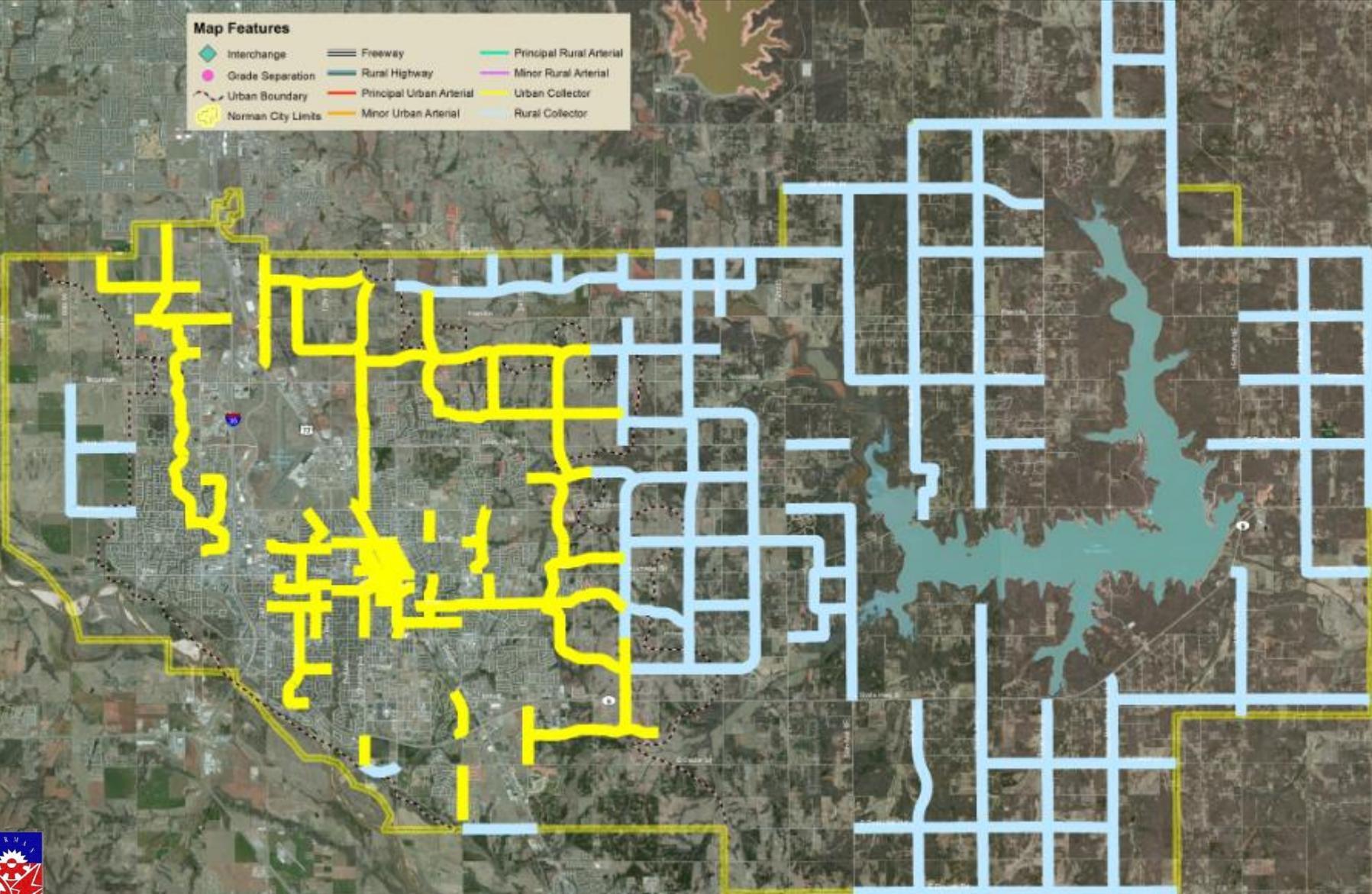


# Thoroughfare Plan



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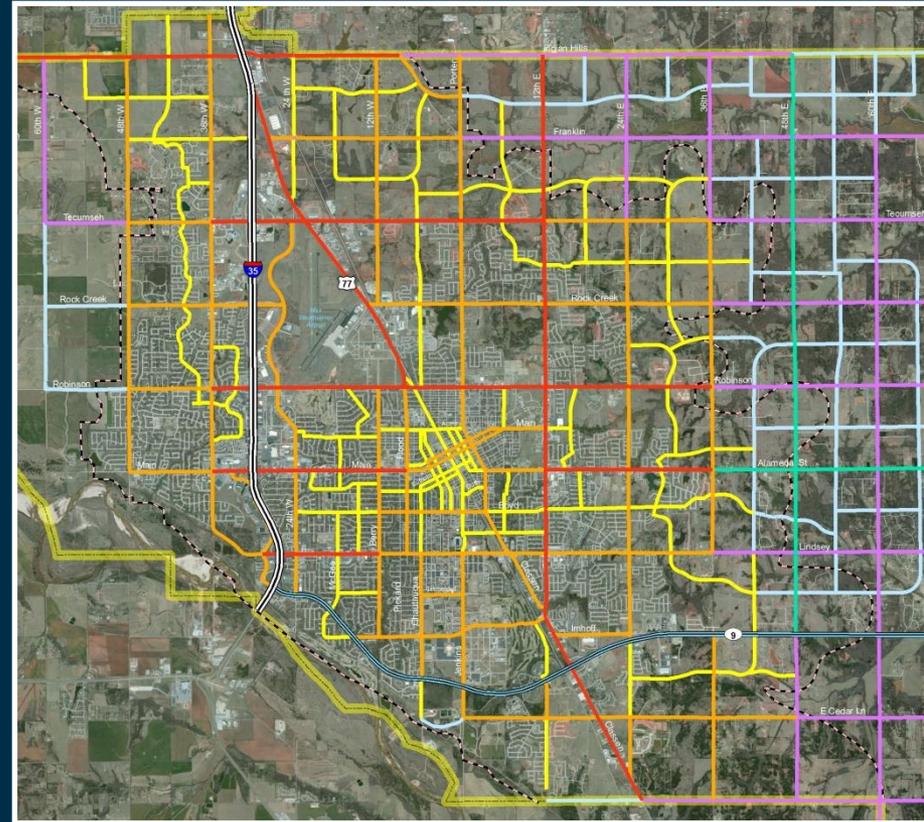
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# Highlights of the Thoroughfare Plan

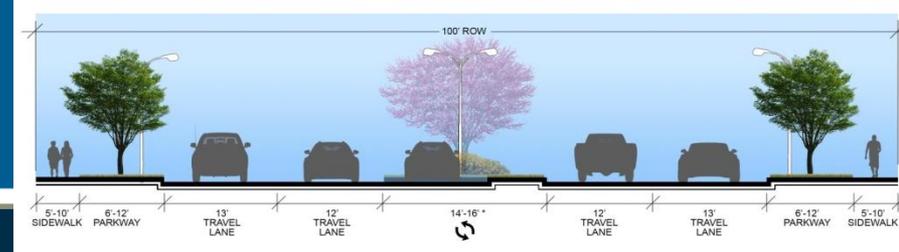


- Added definition to functional classification and network
- Design options for roadway sections
- Formalization of internal loop for regional connection
- Identification of Collector network supporting section grid
- Creation of Special Corridors
- Railroad grade separations

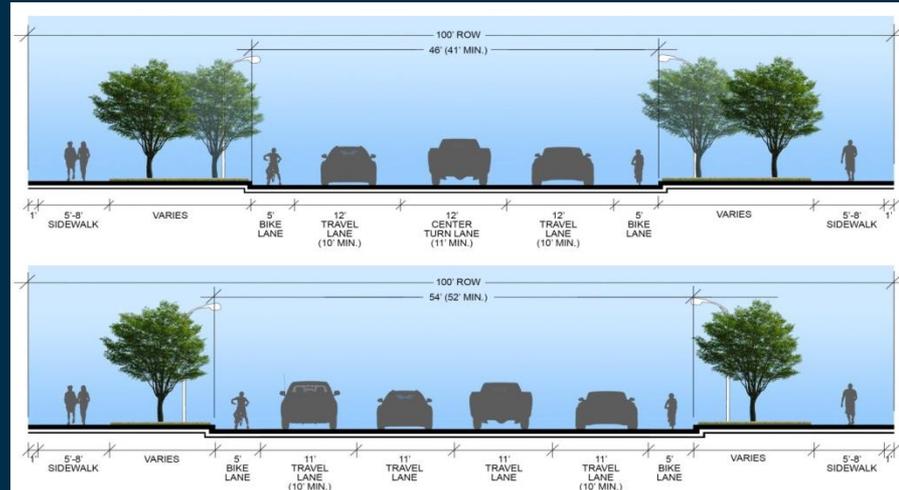


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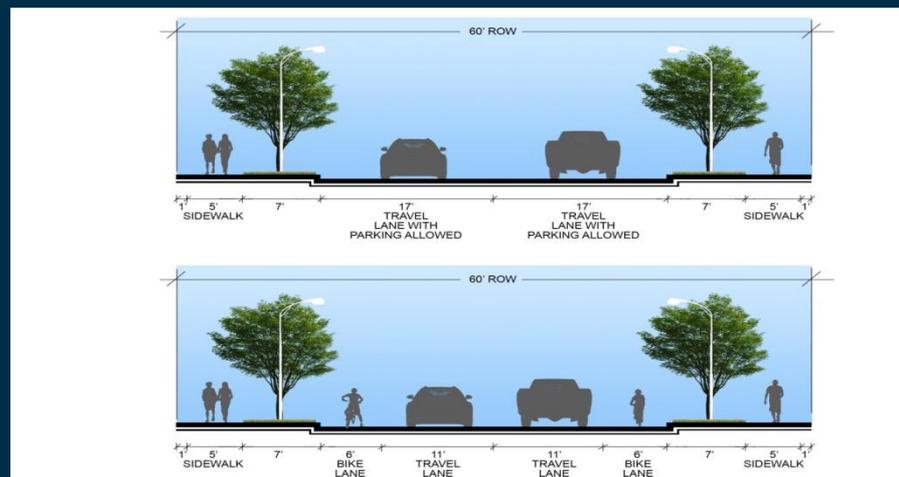
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Principal Urban Arterial



Minor Urban Arterial



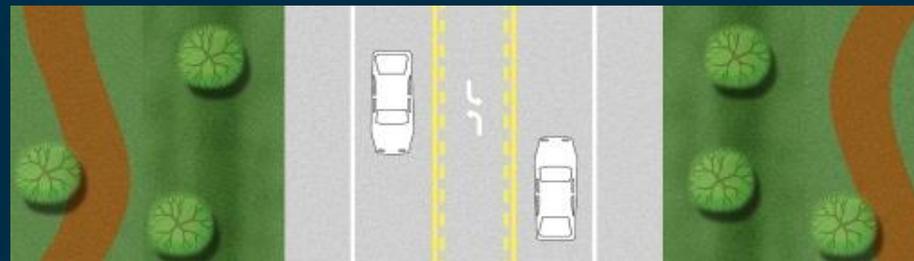
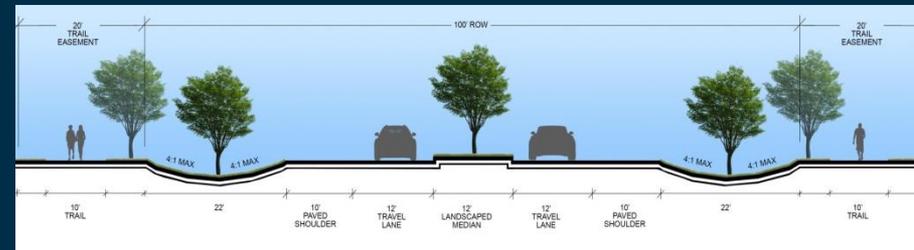
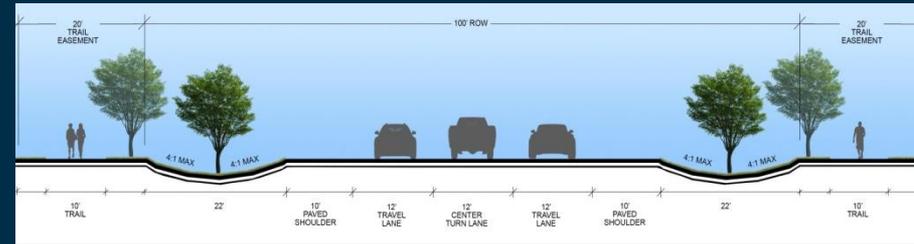
Collector

# Highlights of the Thoroughfare Plan



- Added definition to functional classification and network
- **Design options for roadway sections**
- Formalization of internal loop for regional connection
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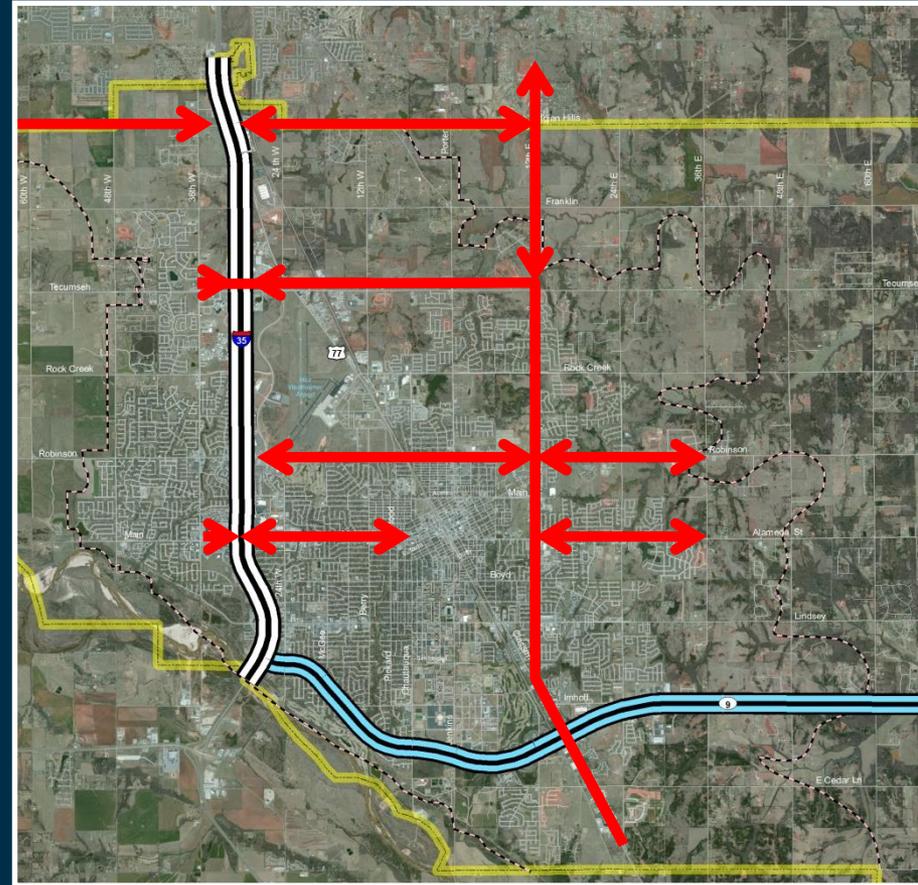
## Principal Rural Arterial



# Highlights of the Thoroughfare Plan



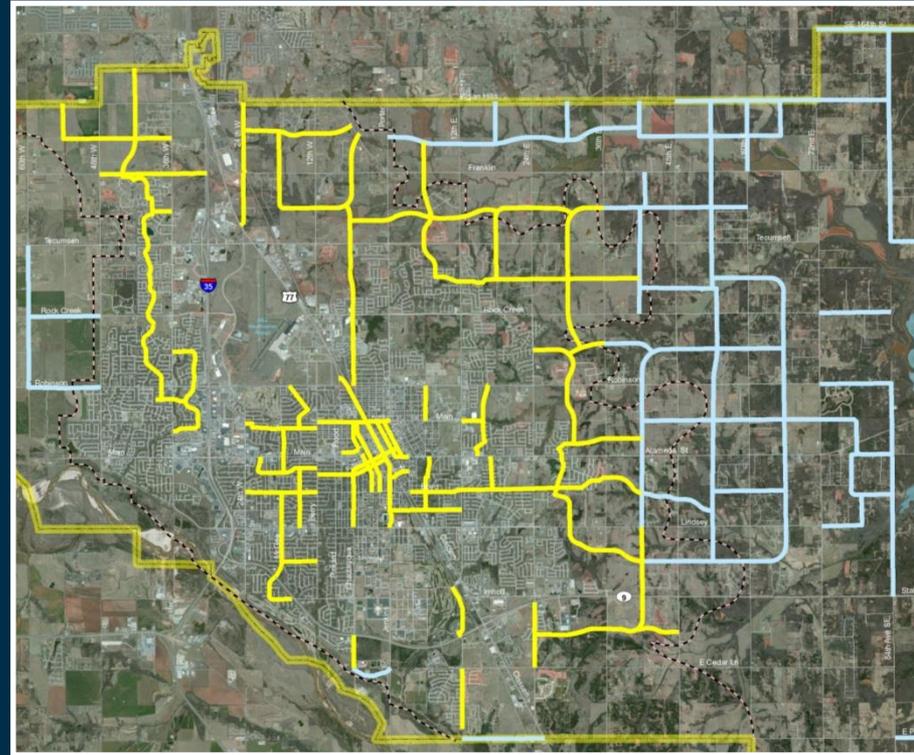
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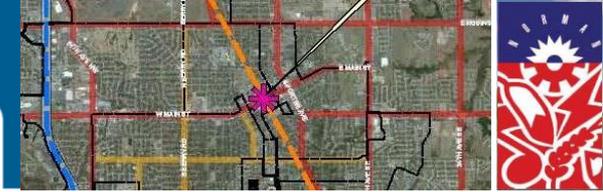
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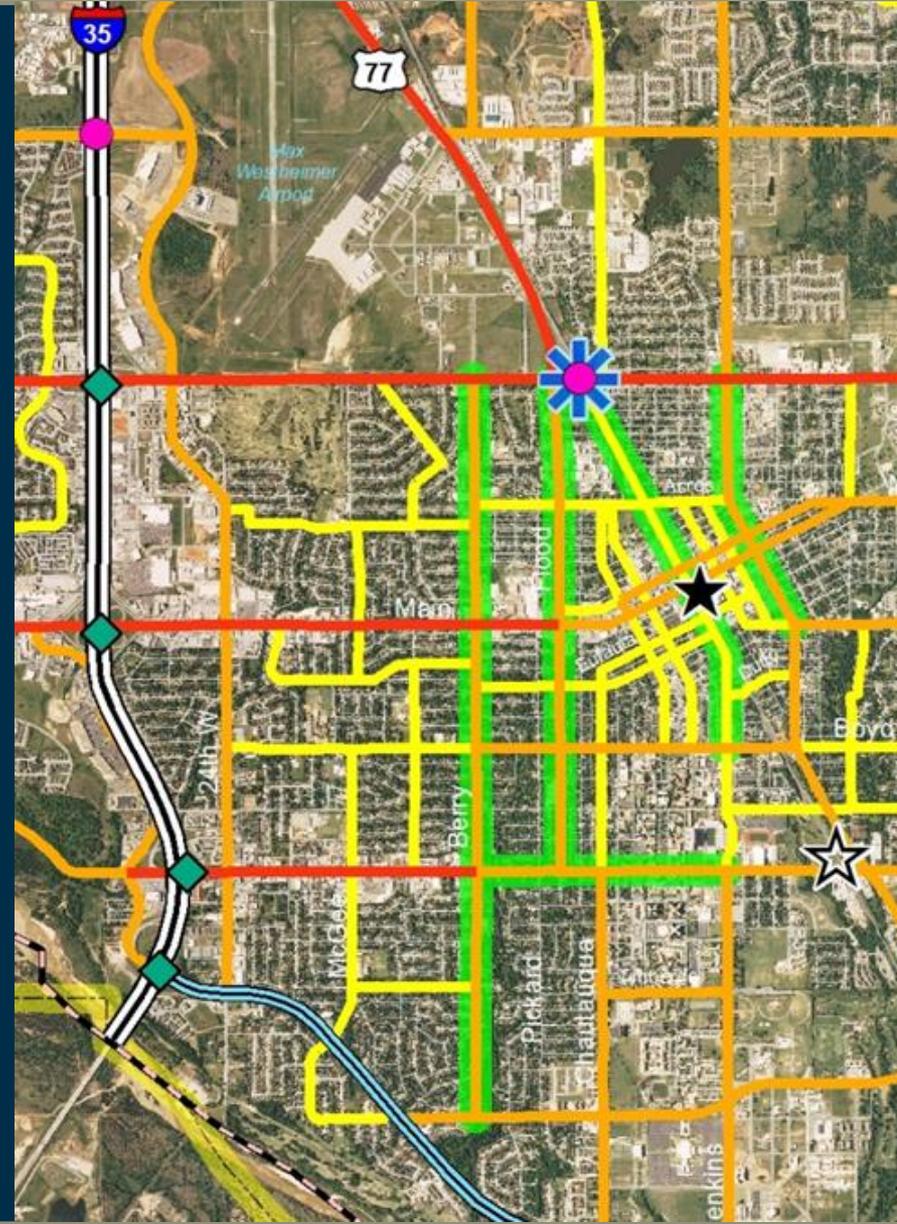
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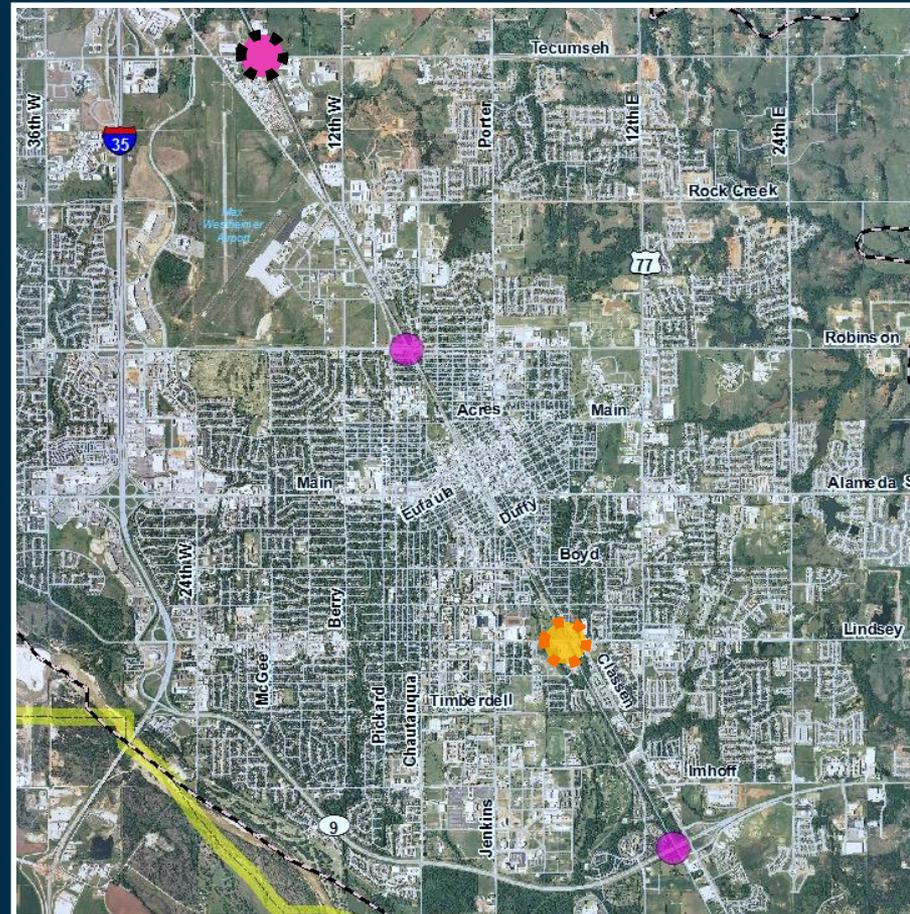
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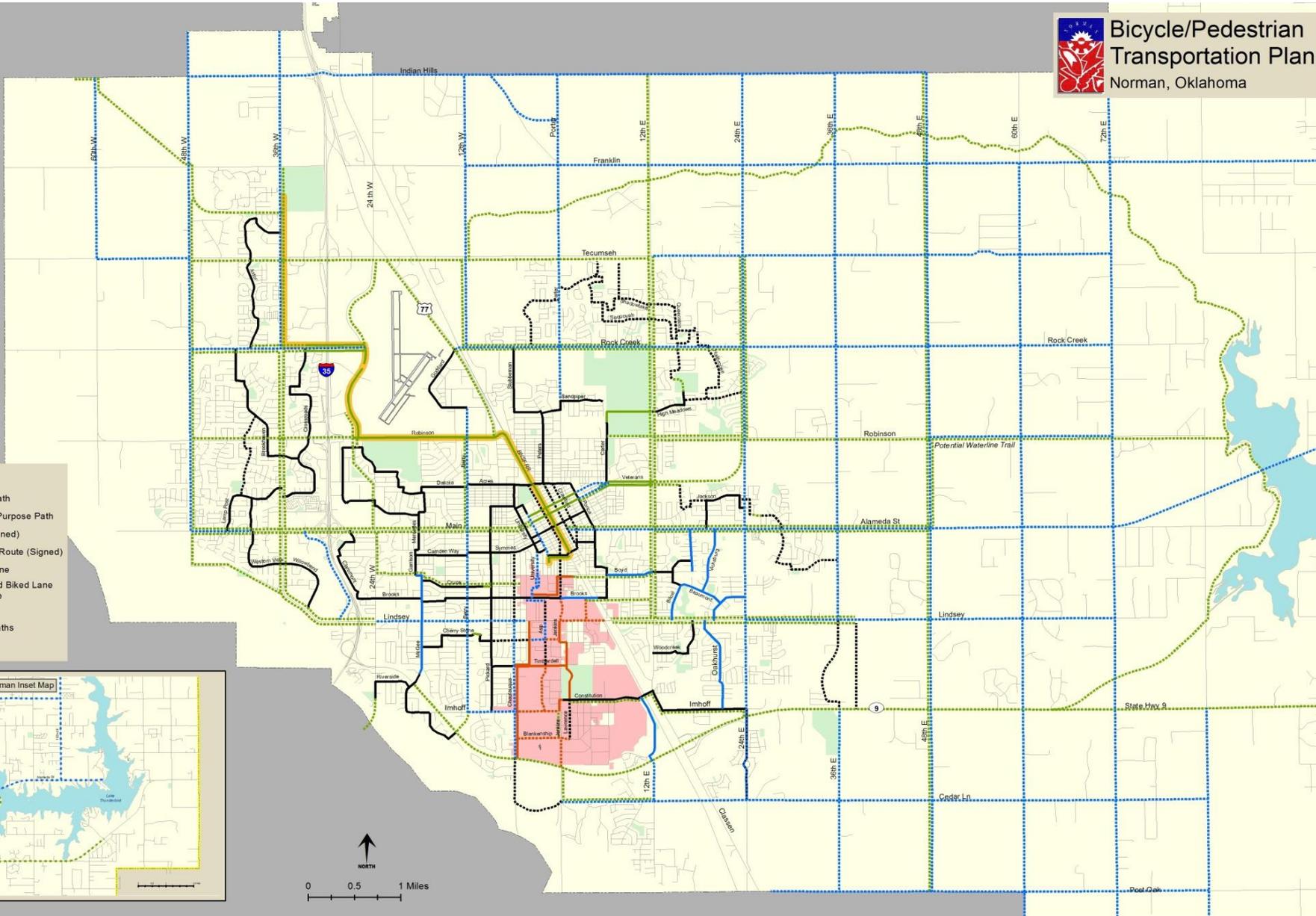
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- **Railroad grade separations**



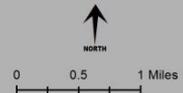
# Bicycle/Pedestrian Plan



Bicycle/Pedestrian  
Transportation Plan  
Norman, Oklahoma

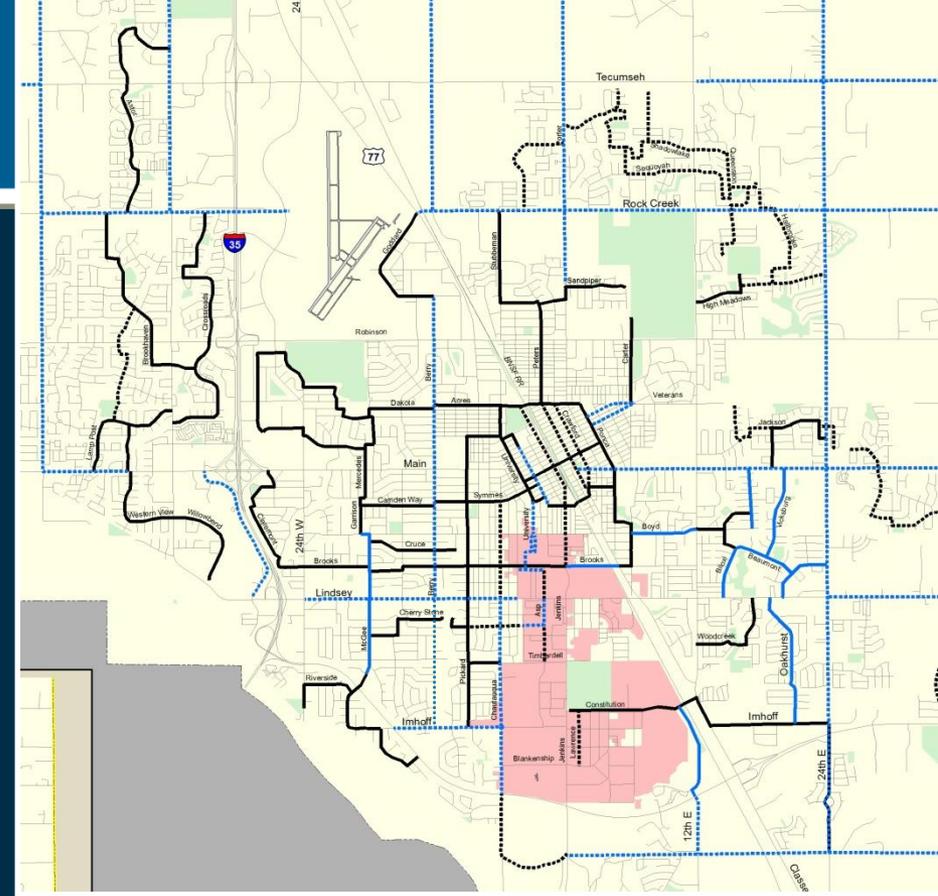


- Legend**
- Multi-Purpose Path
  - Proposed Multi-Purpose Path
  - Basic Route (Signed)
  - Proposed Basic Route (Signed)
  - Striped Biked Lane
  - Proposed Striped Biked Lane or Shoulder Lane
  - OU Paths
  - Proposed OU Paths
  - Legacy Trail



# Highlights of the Bicycle/Pedestrian Plan

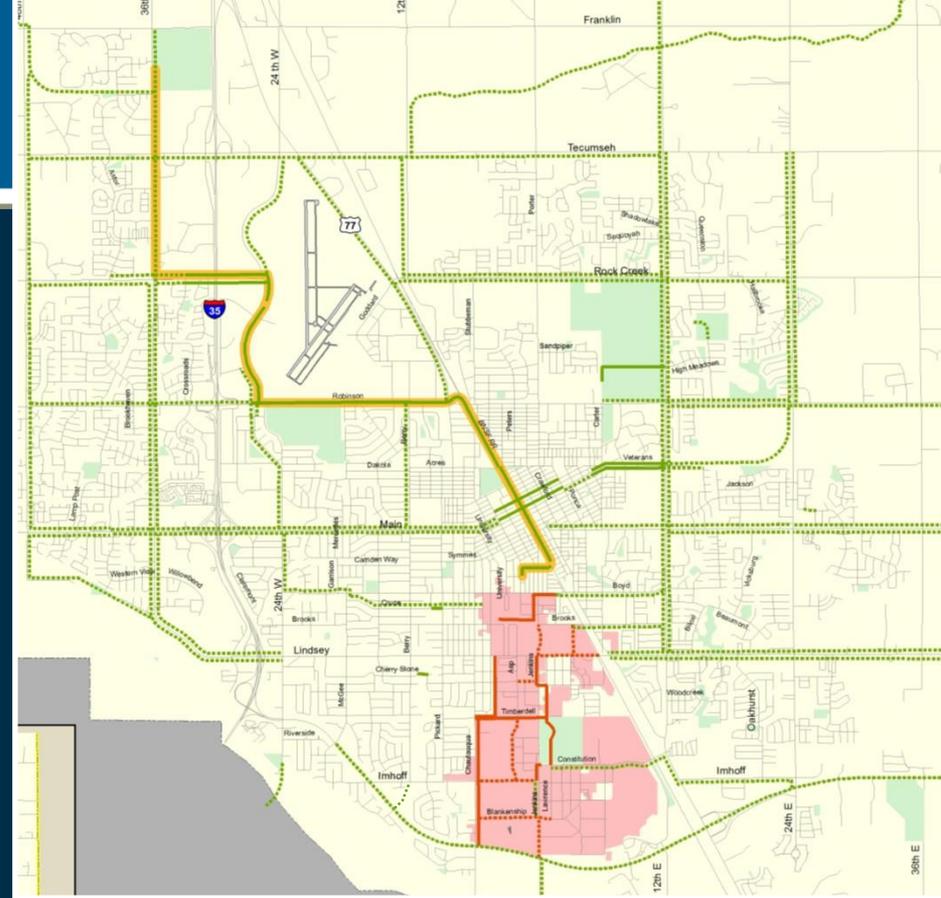
- Side-paths: 8-10' along roadway
  - 12<sup>th</sup> Ave. E
  - 48<sup>th</sup> Ave. E (thru rural Norman)
  - Lindsey (12<sup>th</sup> Ave. E to Classen)
  - Robinson /Main corridor
- Multi-use paths: 10-12' off road
  - Extension of Legacy Trail around Max Westheimer Airport
  - SH 9 Path
  - Robinson Waterline Path
- On-Street Facility Standards
  - Bike lanes on urban minor arterials
  - Shoulder bike lanes on all rural principal/minor arterials



- Notable Bike Lanes along:
  - Berry Road (Lindsey to Robinson)
  - Lindsey (Elm to 24<sup>th</sup> Ave. W)
  - Rock Creek Road, E and W of Airport
  - University/Webster

# Highlights of the Bicycle/Pedestrian Plan

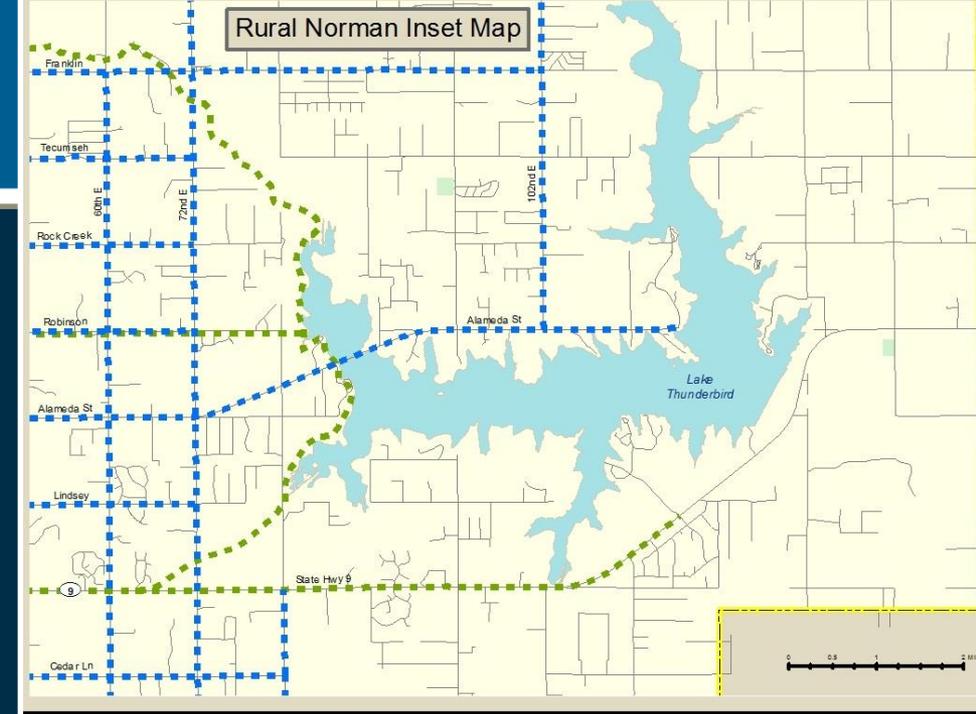
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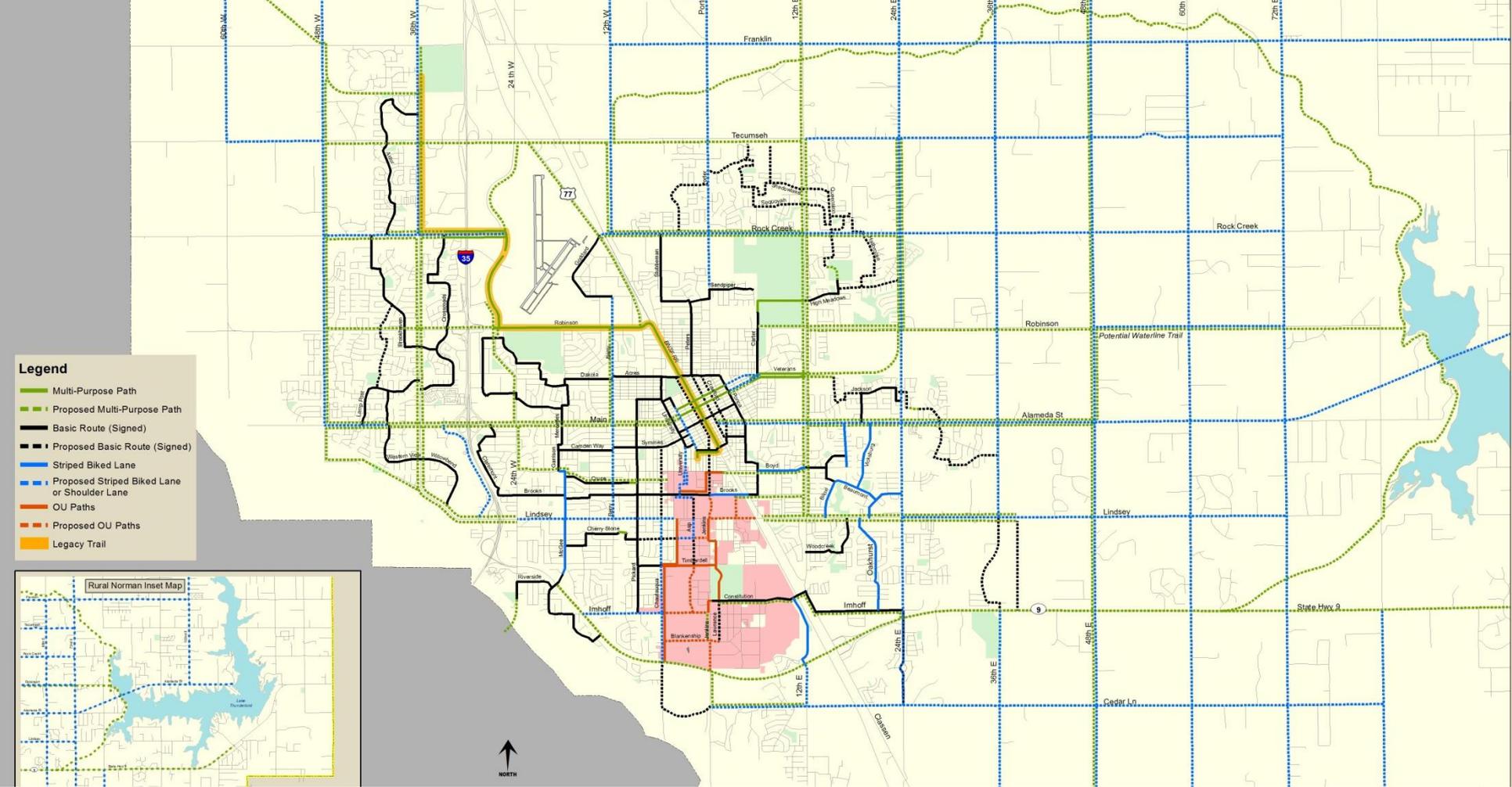


- **Notable Bike Lanes along:**
  - Berry Road (Lindsey to Robinson)
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- **On-Street Facility Standards**

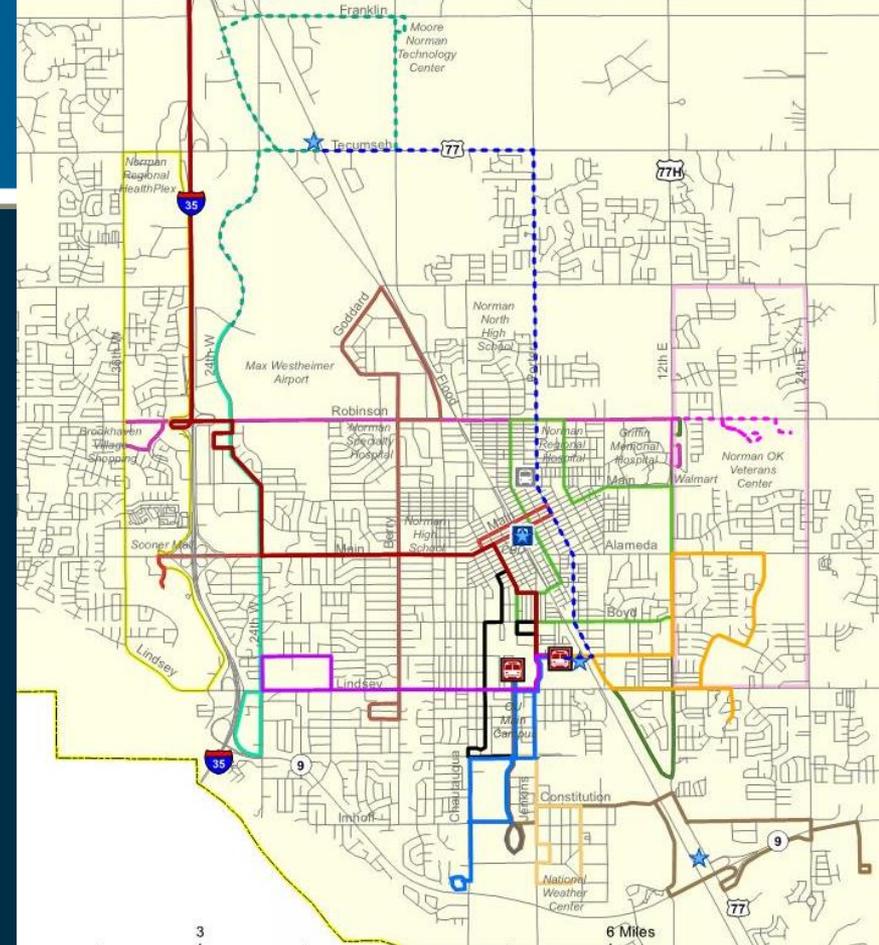
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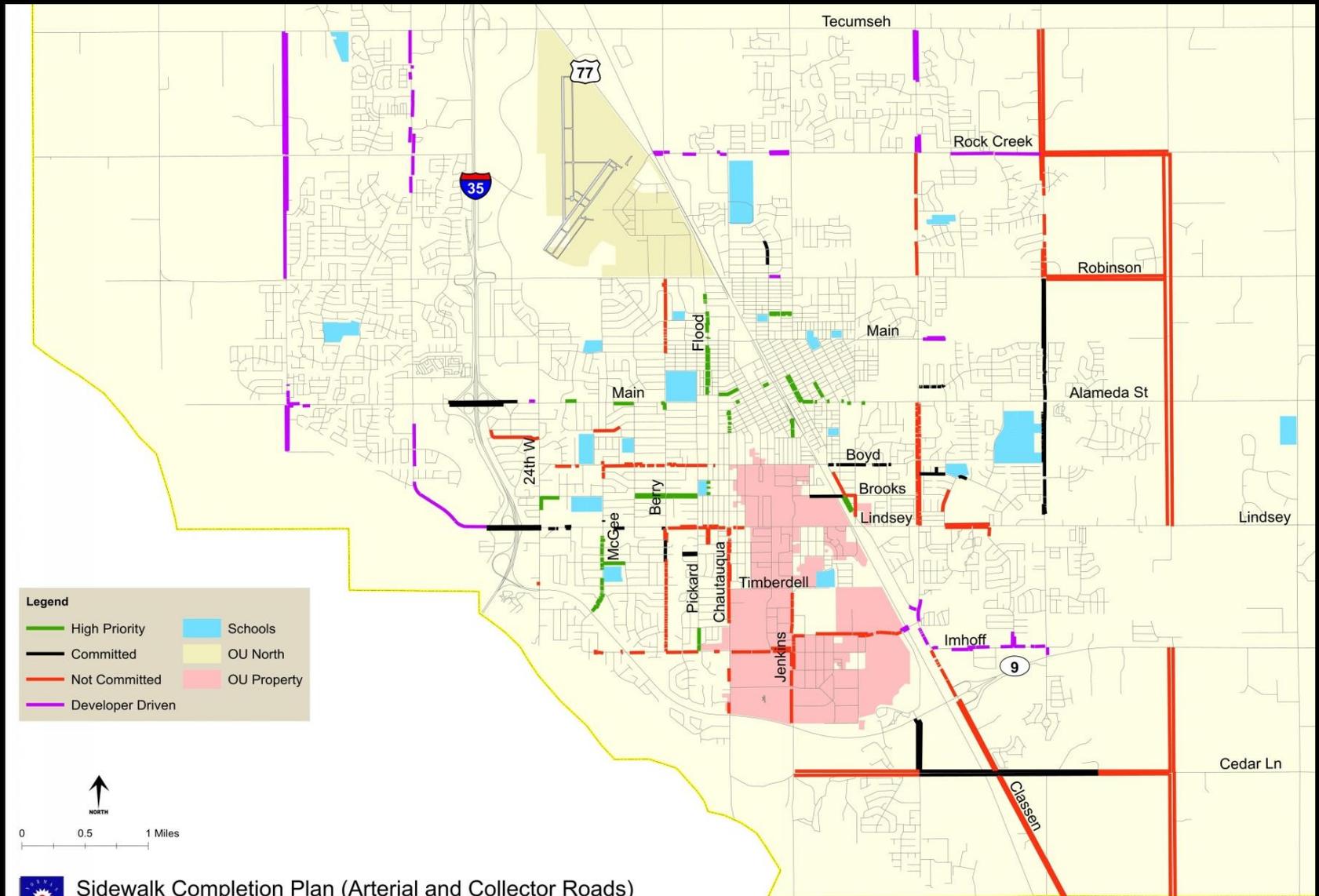
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- Lindsey (Elm to 24<sup>th</sup>Ave. W)
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# Highlights of the Transit Plan

- 2008 CARTS Plan; enhanced for:
  - Porter-Classen corridor
  - Moore Norman Technology Center
  - University North Park
  - SH9/Cedar Lane area
- Increased service frequency and hours of operation
- Better accommodation of patrons with wheelchairs
- ADA compliance at stops
- Corridor-focused grid of routes
- Regional Commuter Rail Stations

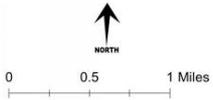


# Sidewalk Completion Plan



**Legend**

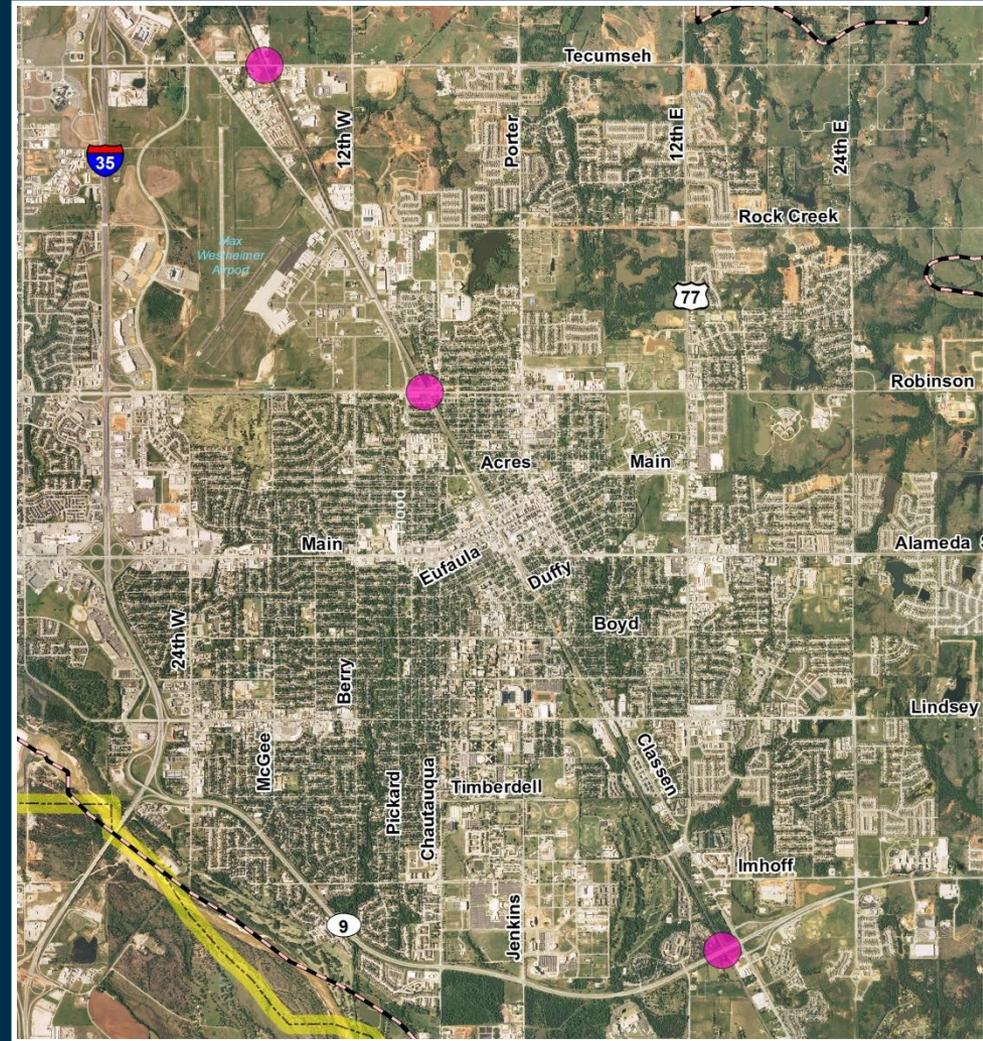
High Priority	Schools
Committed	OU North
Not Committed	OU Property
Developer Driven	



# Airport, Freight and Emergency Response Needs



- Protect zoning around airport and industrial districts to serve freight, rail and air transportation needs
- Additional grade separated crossings with railroad
- Corridor enhancements
- Land use coordination



# System Implementation Plan



- Implementation Strategy
  - Immediate, Ongoing
  - Short Range (0 to 5 years)
  - Medium Range (5 to 10 years)
  - Long Range (10 to 20 years)
- Actions to Achieve CTP Goals
  - Institute design standards and procedures
  - Focus on Goals & Objectives, Performance Measures
- Prioritized Projects and Programs
  - Special Corridors
  - Strategic funding opportunities
- Funding Sources
  - Local and Public – Private Partnerships
  - Regional & State
  - Federal



## *Comprehensive Transportation Plan Upcoming Meetings March-May 2014*

	Planning Commission Meeting	City Council Study Session	Planning Commission Public Hearing	City Council Public Hearing
<b>Thursday, March 13, 2014</b>	<b>6:30 p.m.</b>			
<b>Tuesday, March 18, 2014</b>		<b>5:00 p.m.</b>		
<b>Thursday, April 10, 2014</b>			<b>6:30 p.m.</b>	
<b>Tuesday, May 13, 2014</b>				<b>6:30 p.m.</b>
<b>Public Input</b>	—————→			

# Changes to the 2/13/14 Draft CTP



- Input received from the CTP Sub-Committee (Feb. 24<sup>th</sup>), the Planning Commission (Mar. 13<sup>th</sup>) and the City Council (Mar. 18<sup>th</sup>) include:
  - **Thoroughfares**
    - Added reference to the 2002 Study of Two-Way Main Street (Chapter 2)
    - Added Berry Road as a Special Corridor (Chapter 3)
    - Advanced James Garner Extension from Medium to Short Range (Chapter 4)
    - Changed Lindsey Road Grade Separation to a study only (Chapter 4)
    - Moved both railroad separation studies to Long Range (Chapter 4)



# Changes to the 2/13/14 Draft CTP



- Input received from the CTP Sub-Committee (Feb. 24<sup>th</sup>), the Planning Commission (Mar. 13<sup>th</sup>) and the City Council (Mar. 18<sup>th</sup>) include:

- **Transit**

- Modified description of transit service needs (Chapter 2)
- Enhanced Transit Master Plan summary description (Chapter 3)
- Added considerations for bus pullovers on Arterials (Chapter 3 &4)
- Added Action to adopt the Transit Plan (Chapter 4)
- Expanded upon the Actions to implement the Transit Plan (Chapter 4)
- Added Action to study dedicated transit funding



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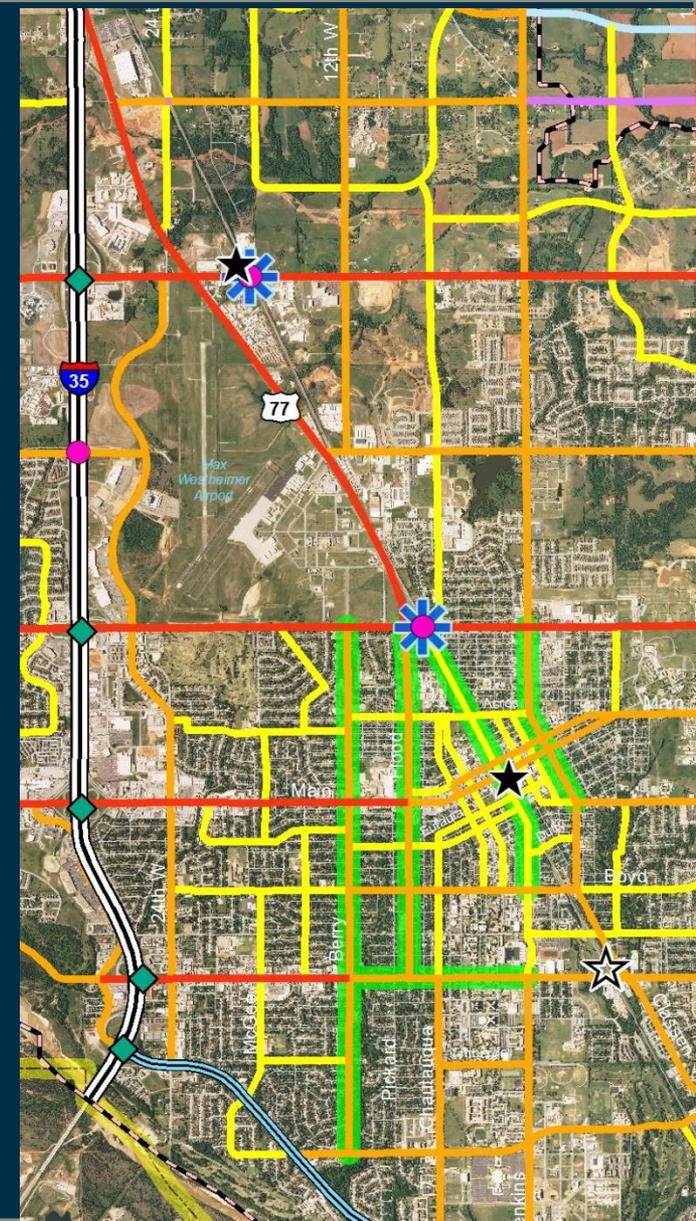


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    - Extended bike lanes on Berry Road, from Lindsey to Imhoff
    - Added Berry Road trail connector to SH 9 trail

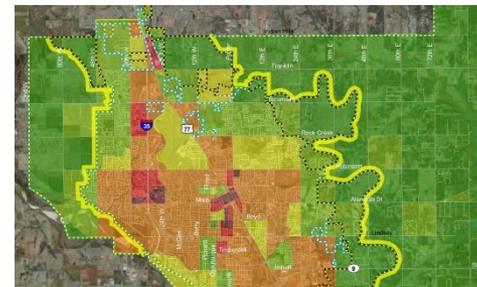
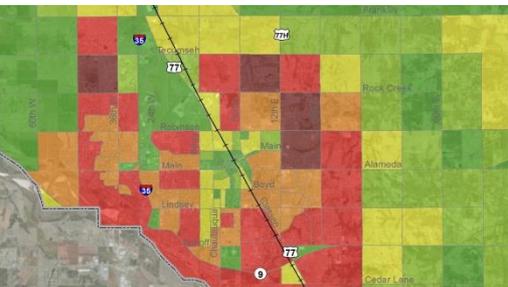




- Questions, Comments and Discussion on the Draft Final Norman CTP Report
- Seeking Recommendation of the Norman CTP to the City Council



Norman Comprehensive  
Transportation Plan  
*Moving Forward*



# Norman Comprehensive Transportation Plan

**Thank You!**

**April 10, 2014**