

Cedar Lane Road Extension from Jenkins Avenue to ½ mile east

**Community Planning & Transportation
Committee**

March 23, 2023





Intersection
Improvements

66' ROW

Intersection
Improvements

170' x 50' Bridge


North Half - 33' ROW
South Half - 50' ROW

66' Statutory ROW





Cedar Lane Road Existing Conditions

- Classified as Minor Arterial, Urban in Comprehensive Transportation Plan (CPT)
 - Requires a bridge to cross Bishop Creek
 - Existing Right of Way (ROW)
 - From Jenkins Avenue to end of improved section (approx. ½ mile) - 66 foot statutory right of way (ROW)
 - North half from end of improved section to 12th Avenue SE - 33 foot statutory ROW
 - South half from end of improved section to 12th Avenue SE - 50 foot ROW
 - Fences in Eaglecliff Addition are placed approx. 20' north of the property lines in the 50 foot ROW
 - Existing Paving
 - From Jenkins Avenue to end of improved section (approx. ½ mile) - no paving
 - North half from end of improved section to 12th Avenue SE – one lane no curb
 - South half from end of improved section to 12th Avenue SE – one lane with curb and sidewalk
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Jenkins Avenue Existing Conditions

- Classified as Minor Arterial, Urban in Comprehensive Transportation Plan (CPT)
- Existing Right of Way (ROW)
 - 66 foot statutory right of way (ROW)
- Existing Paving
 - 2 lane rural road



Highway 9 and Jenkins Avenue Intersection Existing Conditions

- South leg lanes
 - 1 lane southbound
 - 1 lane northbound and left turn
 - 1 dedicated right turn
- Signalization
 - 2 heads for northbound traffic
- All work will require coordination and approval with ODOT



Jenkins Avenue and Cedar Lane Road Intersection Existing Conditions

- Alignment of Cedar Lane Road intersects Bratcher Miner Road and a private road
 - Bratcher Miner Road enters at odd angle
 - Private road enters at odd angle
 - The oil field equipment will need to be relocated
 - Potential site distance issues to be resolved



Jenkins Avenue and Cedar Lane Road Intersection Photos



Photo of the intersection
looking south



Photo of the intersection
looking east showing the
oil field equipment

Jenkins Avenue and Cedar Lane Road Intersection Photos



Photo of the intersection looking north
showing the possible site distance issue

Typical Roadway Section

Minor Arterials, Urban

- Both roadways are minor arterial roadways in the CTP
- Three lane section meets traffic projections for Cedar Lane Road
 - Section from Jenkins Avenue to 12th Avenue SE needs to be improved for extension to function properly
- Four lane section needed on Jenkins Avenue for additional truck movements

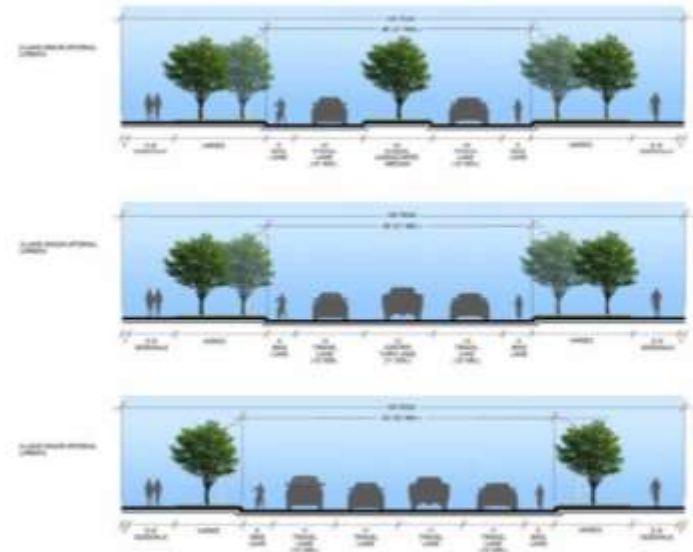


Figure 3.3 Typical Sections of Minor Urban Arterial Roadways

Bridge Requirements

- Will cross Bishop Creek
- Deep channel
- Requires Flood Plain Permit
 - Must cause no rise in base flood elevation (BFE)
- Must pass 100 YR flood event
- May require USACE 404 permitting
- Estimated size 170' long by 50' wide



Constitution Street Bridge Photos



Bridge over Bishop Creek



Bridge over Tributary of Bishop

Bridges at the OU Golf Course

Highway 9 Bridge Photo

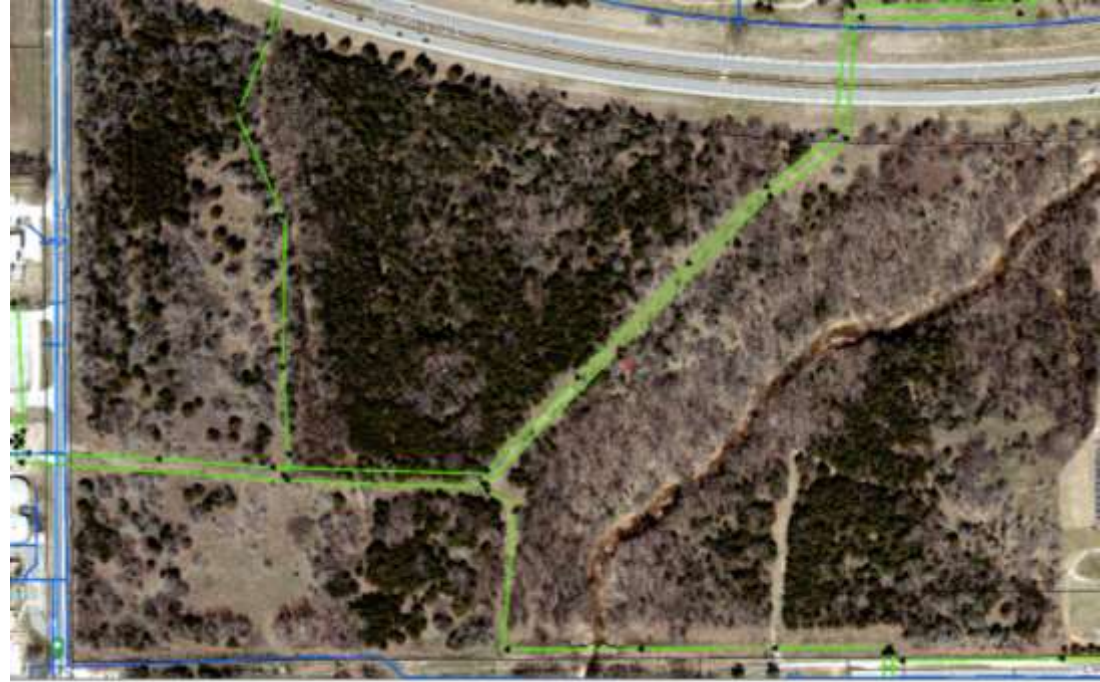


Bridge over Bishop Creek

Approximately 165 foot span bridge

Utilities


- Sanitary sewer force main along Jenkins Avenue
- Sanitary sewer gravity main along Cedar Lane Avenue
- Water mains along Jenkins Avenue and Cedar Lane Road
- Electric lines near right of way on both roads





Estimated Costs

Highway 9 intersection	\$1,300,000
Jenkins Avenue widening	\$2,800,000
Jenkins and Cedar Lane Intersection	\$400,000
Cedar Lane Road Widening	\$5,800,000
Bridge	\$3,500,000
Utilities	\$1,700,000
Engineering	\$1,600,000
ROW	<u>\$2,500,000</u>
Total	\$19,600,000



QUESTIONS COMMENTS

