Proposed
I-40/Frisco Road
Interchange
Canadian County

Public Meeting

June 13, 2017
Partnership
I-40/Frisco Road Interchange

- City of Yukon
- City of Oklahoma City
- Oklahoma Department of Transportation
Meeting Purpose
I-40/Frisco Road Interchange

- Purpose and need for project
- Preferred Alternative
- Public input/feedback
Area Growth

I-40/Frisco Road Interchange

Frisco Road

• SE quadrant, 172 acres
  • Commercial Use Development

• NW quadrant, 251 acres
  • City of Yukon Athletic Complex
  • Thunder Falls Indoor Water Park and Hotel

Garth Brooks Boulevard

• Extensive development
• Future I-40 to Garth Brooks Blvd traffic predicted to increase ~80%
Area Features

I-40/Frisco Road Interchange

- Integris Canadian Valley Hospital
- WalMart Supercenter
- Athletic Complex (Proposed) and Water Park/Hotel
- Commercial Use Development

Project Location:
- Integris Canadian Valley Hospital
- WalMart Supercenter
- Commercial Use Development
- Athletic Complex (Proposed) and Water Park/Hotel
Purpose and Need
I-40/Frisco Road Interchange

• Accommodate projected future traffic volumes safely and efficiently

• Improve traffic operations and safety at:
  • I-40 / Garth Brooks interchange
  • I-40 / North Cimarron Road interchange
  • I-40
  • SH-66
  • 10th Street
Environmental studies performed to identify constraints

- Wetlands and waters
- Threatened & endangered species critical habitat
- Archeological sites and historic properties
- Aboveground or underground storage tanks
- Oil/gas wells
- Residences
- Commercial facilities
- Tribal properties
- Utilities
## Composite Constraints Map

### I-40/Frisco Road Interchange

<table>
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<tr>
<th>Map Features</th>
<th>Environmental Constraints</th>
<th>Utilities</th>
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<tr>
<td>✄ Section Lines</td>
<td>Potentially Jurisdictional Wetlands</td>
<td>Electrical Power Line</td>
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<td>Potentially Jurisdictional Streams</td>
<td>Gas Line</td>
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<td>Oil &amp; Gas Wells or Appurtenances</td>
<td>Underground Telephone Line</td>
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<td>Potential Chemical Use/Storage</td>
<td>Water Line</td>
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<td>Aboveground Storage Tank</td>
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<td>Scattered Household/Farm or Construction Debris</td>
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<td>Residential Property</td>
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<td>Commercial Property</td>
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Inputs:

- City Council / Yukon Municipal Authority Work Session December 2, 2014
- ODOT review of Feasibility Study and Conceptual Plan January 2015
Development of Interchange Alternatives
I-40/Frisco Road Interchange

• Several interchange designs were considered
• 2 interchange designs were carried forward for further consideration:
  • Diamond Interchange
  • 3-Quadrant Folded Diamond Interchange
Development of Interchange Alternatives
I-40/Frisco Road Interchange

Diamond Interchange
- **Pros:** Standard geometry
- **Cons:** Residential impacts
  - Higher cost ($19.4M)
  - Requires reconstruction (relocation) of NW 23rd Street
  - Impacts to oil/gas metering station
3-Quadrant Folded Diamond

- **Pros:**
  - No residential impacts;
  - Lower cost ($18.8M)

- **Cons:**
  - Requires reconstruction (relocation) of NW 23rd Street
  - Impacts to oil/gas metering station
  - Compound curve loop ramp
Variations of the 3-Quadrant Folded Diamond:

- Compressed SW and SE ramps allow NW 23rd Street horizontal alignment to remain unchanged
- Avoids oil/gas metering station
- Constant radius loop ramp
Preferred Alternative: 3-Quadrant Folded Diamond
Preferred Alternative: 3-Quadrant Folded Diamond
Access Changes

Currently no access between I-40 and Frisco Road; Changing to full access

Residential or commercial relocations

None

Archeological sites and historic properties

No significant impacts

Wetlands and waters

Minimal impacts anticipated

Threatened & endangered species critical habitat

Swallow use survey to be completed prior to construction
Access and Environmental Impacts Evaluation
I-40/Frisco Road Interchange

- Hazardous waste assessment
  Minimize impacts to area oil/gas features

- Noise assessment
  Future noise impacts predicted to 2 residences and 1 commercial facility
  Noise barrier modeling indicates acoustically feasible, but not financially reasonable, i.e., exceeds allowable cost/benefitted receptor
What Happens Next?
I-40/Frisco Road Interchange

- Consider comments from public meeting
- Complete environmental document and design plans
- Right-of-way acquisition; Utilities relocation: 2018/2019
- Programmed construction cost: $17.4 million
- Construction tentatively scheduled: Year 2020
Submit Your Comments
I-40/Frisco Road Interchange

- Leave your written comments with us tonight.
- Download and submit a comment form at: http://www.odot.org/publicmeetings
- Submit your written comments by mail to:
  Oklahoma Department of Transportation
  Environmental Programs Division
  200 N. E. 21st Street
  Oklahoma City, OK  73105
- Fax your written comments to:
  (405) 522-5193
- Email your comments to:
  environment@odot.org
- Please submit your comments by July 5, 2017.
Thank you!