

# *Collin County Outer Loop*

Rockwall County Line to FM 6



*Presentation to Commissioners Court*



**CH2MHILL**

June 15, 2009

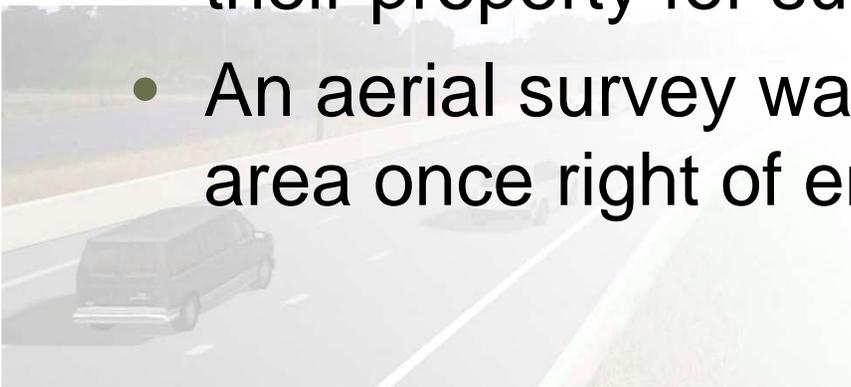
# Purpose of the Presentation

- Inform Commissioners Court of progress to date
- Describe alternative alignment selection process
- Seek approval of alternative technically preferred alignment to present to the public in a Public Meeting



# Progress Update

- Commissioners Court approved contract for preliminary engineering for Collin County Outer Loop from the Rockwall County Line to FM 6 on November 18, 2008
- Right of Entry letters were sent to property owners in the project area in order to access their property for survey purposes
- An aerial survey was performed for the project area once right of entry was acquired



# Progress Update Continued

- A project constraints map was developed detailing environmental, historical, infrastructure and other constraints in the project area
- The Technically Preferred Alignment was analyzed and alternative alignments were developed
- An alternative Technically Preferred Alignment has been identified for recommendation to Commissioners Court



# Alternative Alignment Selection Process

- Develop constraints map of the project area to identify potential adverse impacts of alignment
  - Gather available GIS data from the County and other sources to include
    - environmental features, flood plain limits, parks
    - structures, homes, police/fire stations, schools
    - burial grounds
    - neighborhood communities
    - historical landmarks
    - public and private utilities
- Overlay Technically Preferred Alignment onto the constraints map



# Alternative Alignment Selection Process

- Visit project site and document existing conditions
- Develop alternative alignments based upon field visit and constraints map
- Meet with County staff to discuss alternative alignments
  - April 9, 2009
  - April 28, 2009
- Meet with project stakeholders to discuss alternative alignments
  - Rockwall County Commissioners Court – May 11, 2009
  - City of Josephine Mayor Mike Holmes – May 14, 2009

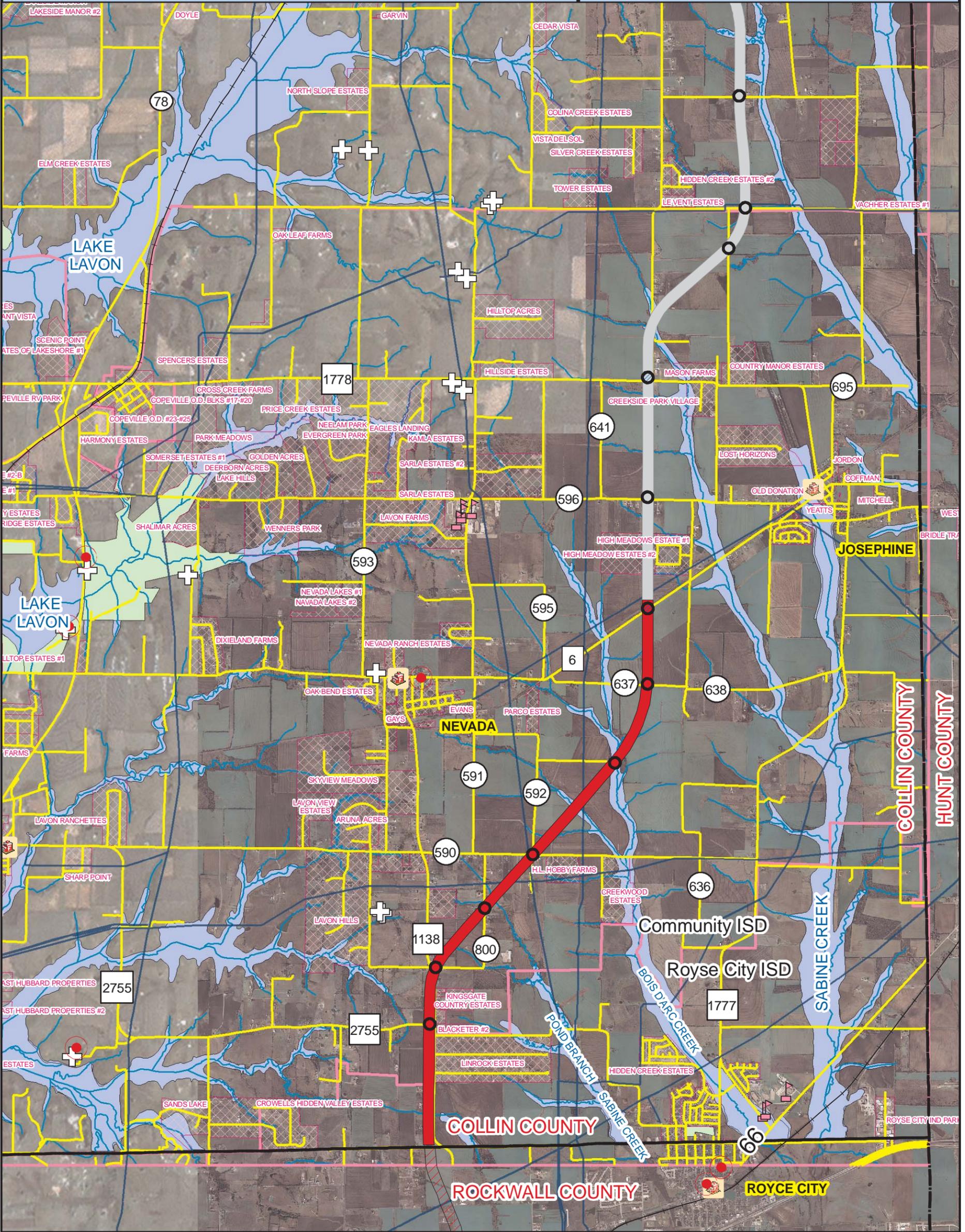




# COLLIN COUNTY OUTER LOOP

## FM 6 to the Rockwall County Line

### Constraints Map



**Legend**

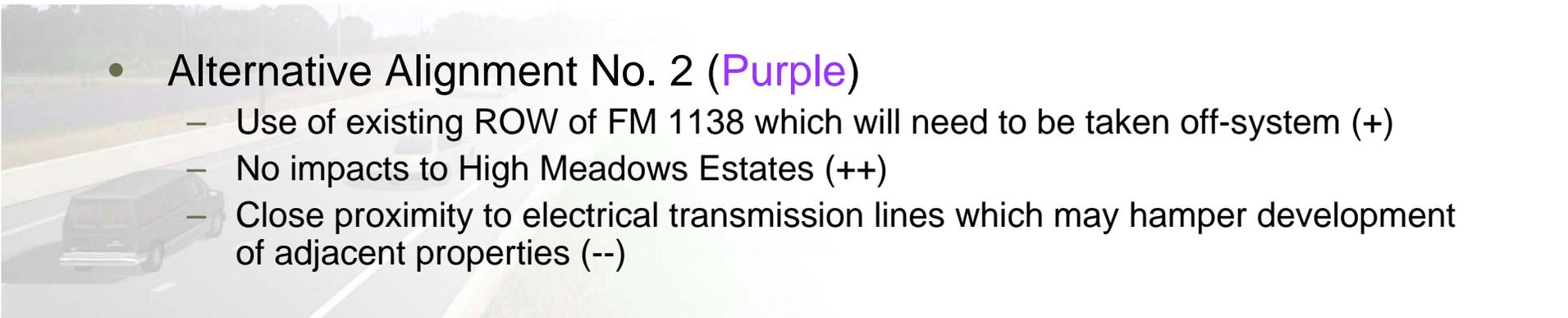
Historic Site	County Boundary	Streams
Fire and/or EMS Station	Collin County Outer Loop Section 2 Technically Preferred Alignment	Parks
Schools	Collin County Outer Loop Adjacent Section	100 Year Floodplain
Cemeteries	South of Collin County	
Railroads	Existing Pipeline	
Potential At-Grade Interchange	Roads	
Potential Grade Separated Interchange	Subdivision	
	ISD Boundary	

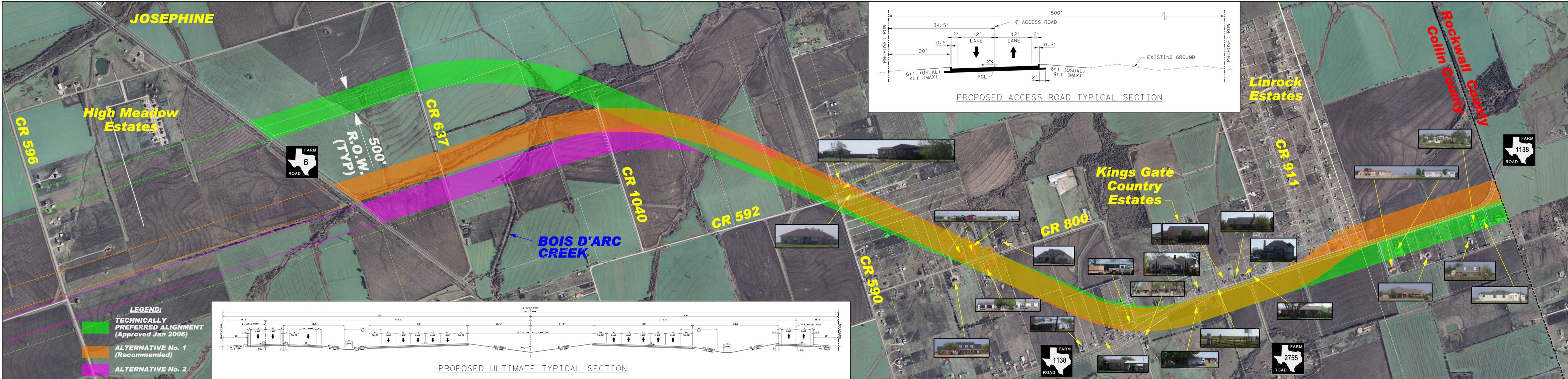
Note: These are preliminary design concepts only and are subject to change

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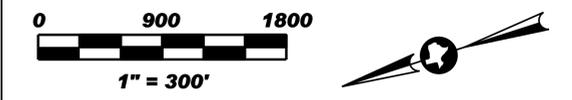
# Alternative Alignment Analysis

- Existing Technically Preferred Alignment (**Green**)
  - Documented and already presented to public (+)
  - Use of existing ROW of FM 1138 which will need to be taken off-system (+)
  - Impacts to several homes at Rockwall County Line (-)
  - Impacts to High Meadow Estates in Josephine (-)
- Alternative Alignment No. 1 (**Orange**)      **RECOMMENDED** 
  - Lessened impacts at Rockwall County Line (+)
  - Use of existing ROW of FM 1138 which will need to be taken off-system (+)
  - Lessened impacts to High Meadows Estates and further north of FM 6 (+)
- Alternative Alignment No. 2 (**Purple**)
  - Use of existing ROW of FM 1138 which will need to be taken off-system (+)
  - No impacts to High Meadows Estates (++)
  - Close proximity to electrical transmission lines which may hamper development of adjacent properties (--)





THESE ARE PRELIMINARY DESIGN CONCEPTS AND ARE TO BE FURTHER REFINED THROUGHOUT THE DESIGN PROCESS. THE INTENT IS TO PROVIDE A GENERAL REPRESENTATION OF EXISTING AND PROPOSED IMPROVEMENTS.



**JUNE 15  
2009**

# COLLIN COUNTY OUTER LOOP - FM 6 TO ROCKWALL COUNTY LINE



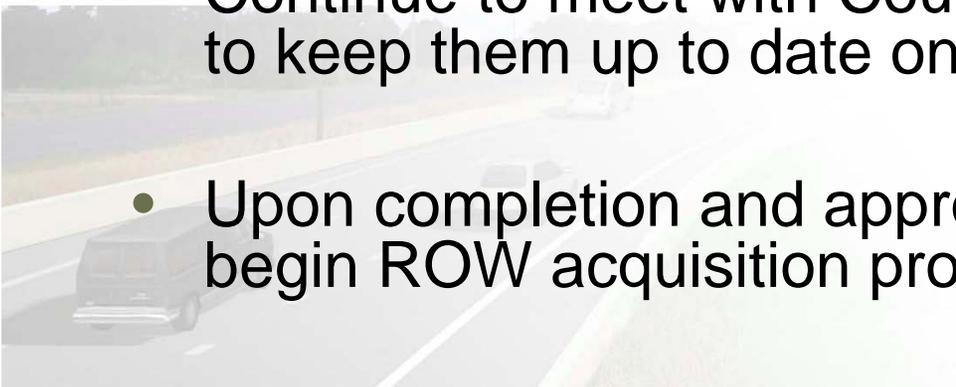
COLLIN COUNTY  
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**CH2MHILL**

TBPE #2297

# Next Steps

- Get approval from Commissioners Court on alternative Technically Preferred Alignment
- Conduct public meeting detailing revisions to technically preferred alignment
- Develop schematic design for approved alignment
- Continue to meet with County and project stakeholders to keep them up to date on progress
- Upon completion and approval of schematic design, begin ROW acquisition process



# Questions



Will Barresi, PE

Tom Burke, PE