

US 75/Collin County Outer Loop Interchange

Preliminary Engineering Study

Commissioners Court Update
September 21, 2015



Project Goals and Objectives

- Improve mobility and safety
 - Plan for future development needs
 - Minimize environmental effects
 - Provide uniform connectivity with adjacent projects (CCOL Segments and US 75 TxDOT Approved Schematic)
 - Develop an Ultimate Conceptual Design
- Identify Proposed Interchange ROW footprint for future project development

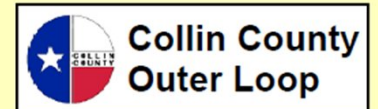
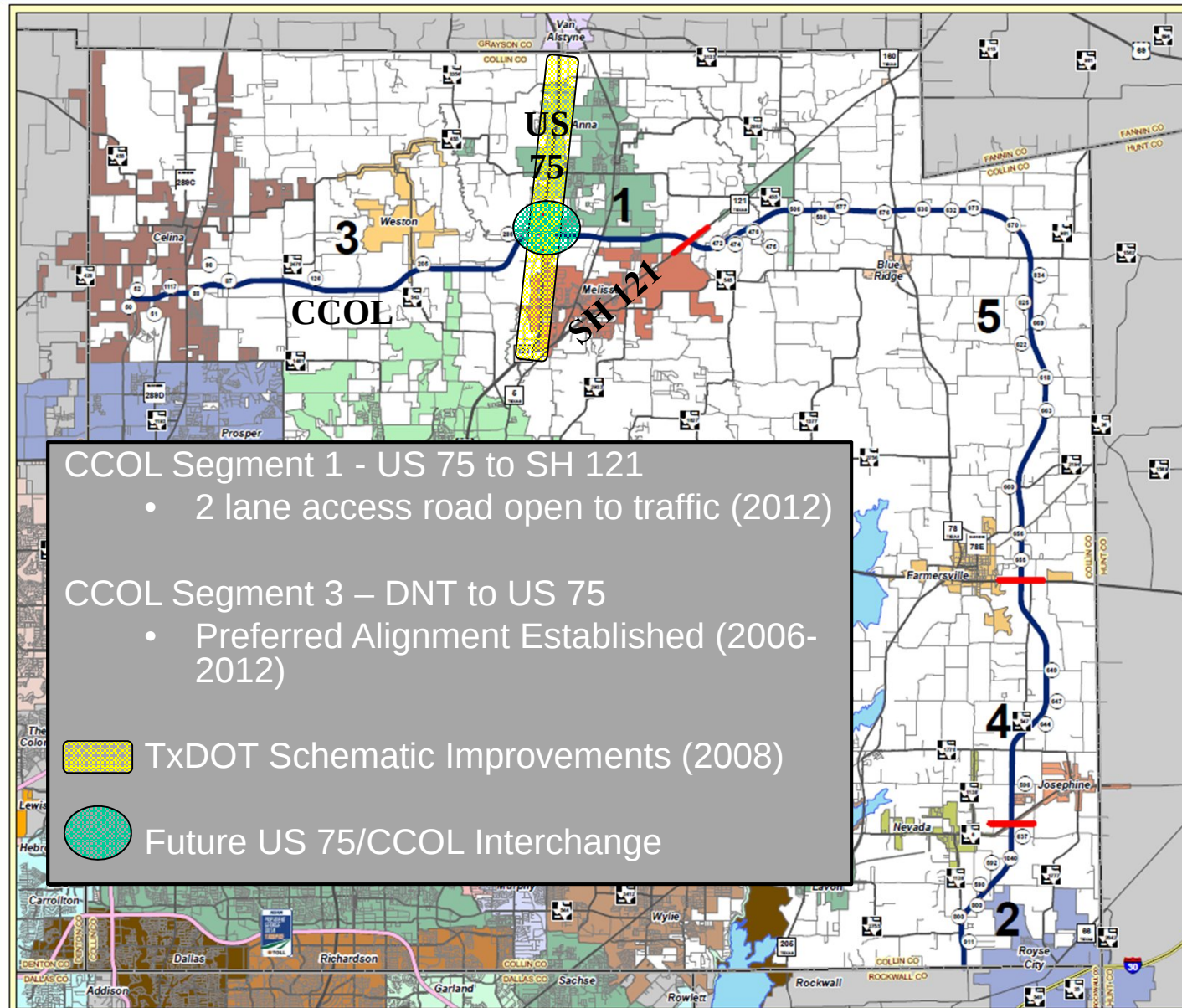


Design Approach

- o Data Collection
- o Update Environmental Constraints Map
- o Develop Geometric Design Criteria
- o Develop Interchange Concepts
- o Determine Technically Preferred Alternative
- o Analyze Traffic Operations on Preferred Alternative
- o Refine Preferred Alternative



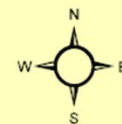
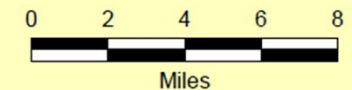
Adjacent Projects



Legend

Numbered Segments

- 1 US 75 - SH 121
- 2 FM 6 - Rockwall Co.
- 3 DNT - US 75
- 4 US 380 - FM 6
- 5 SH 121 - US 380

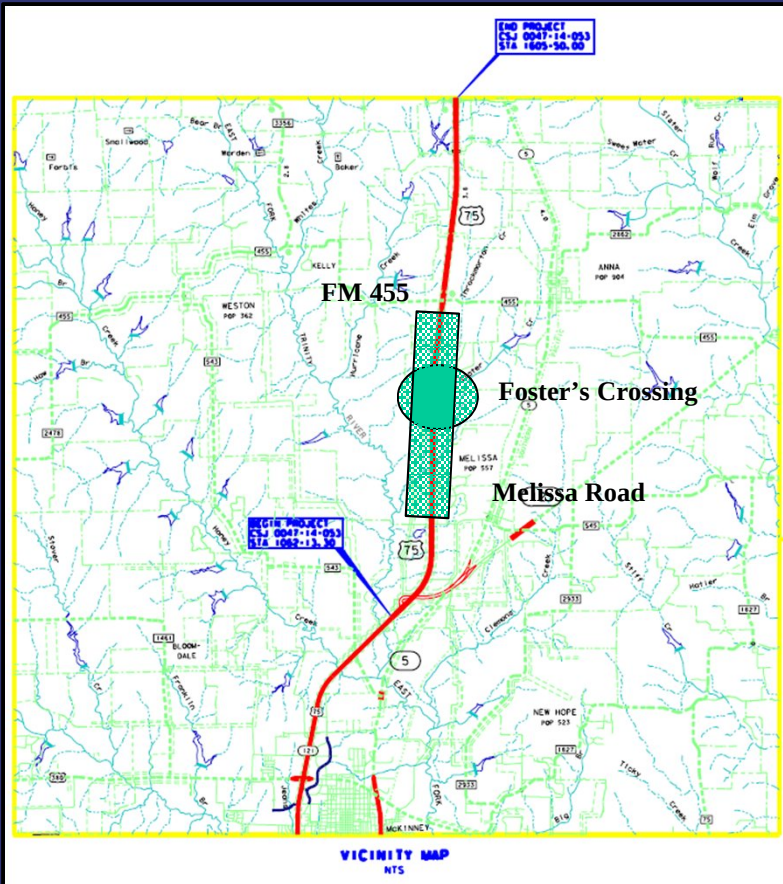


Source data compiled from GIS Database and the Engineering Department.

This map is a graphic representation of Collin County and the Outer Loop Study and should only be used for illustrative purposes. In no way should this map be used to settle any boundary disputes or locational conflict.

July 17, 2013

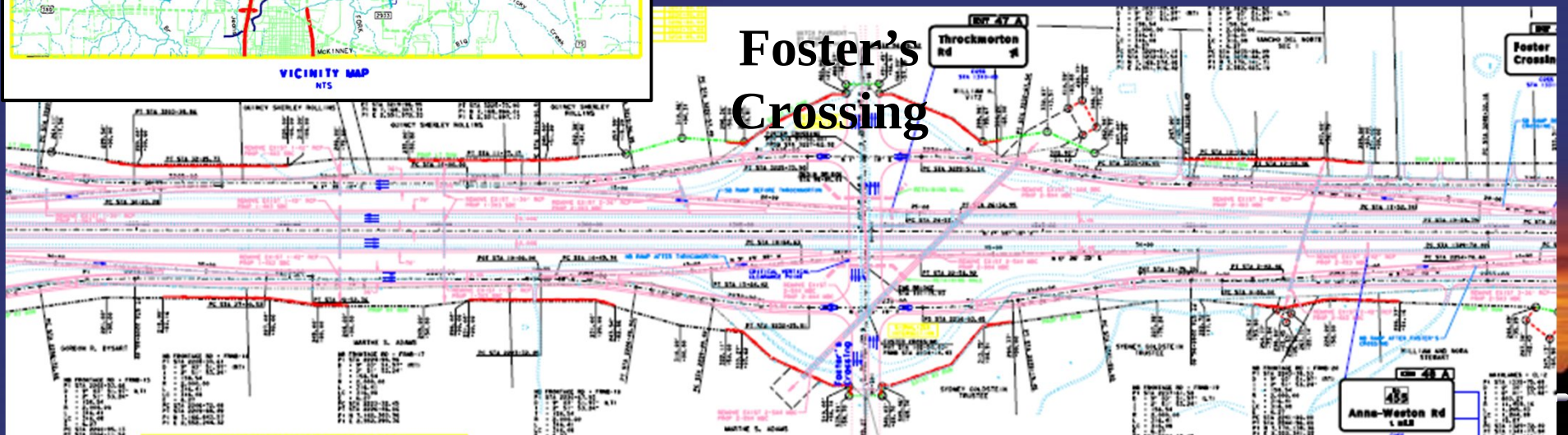
TxDOT Schematic 2008



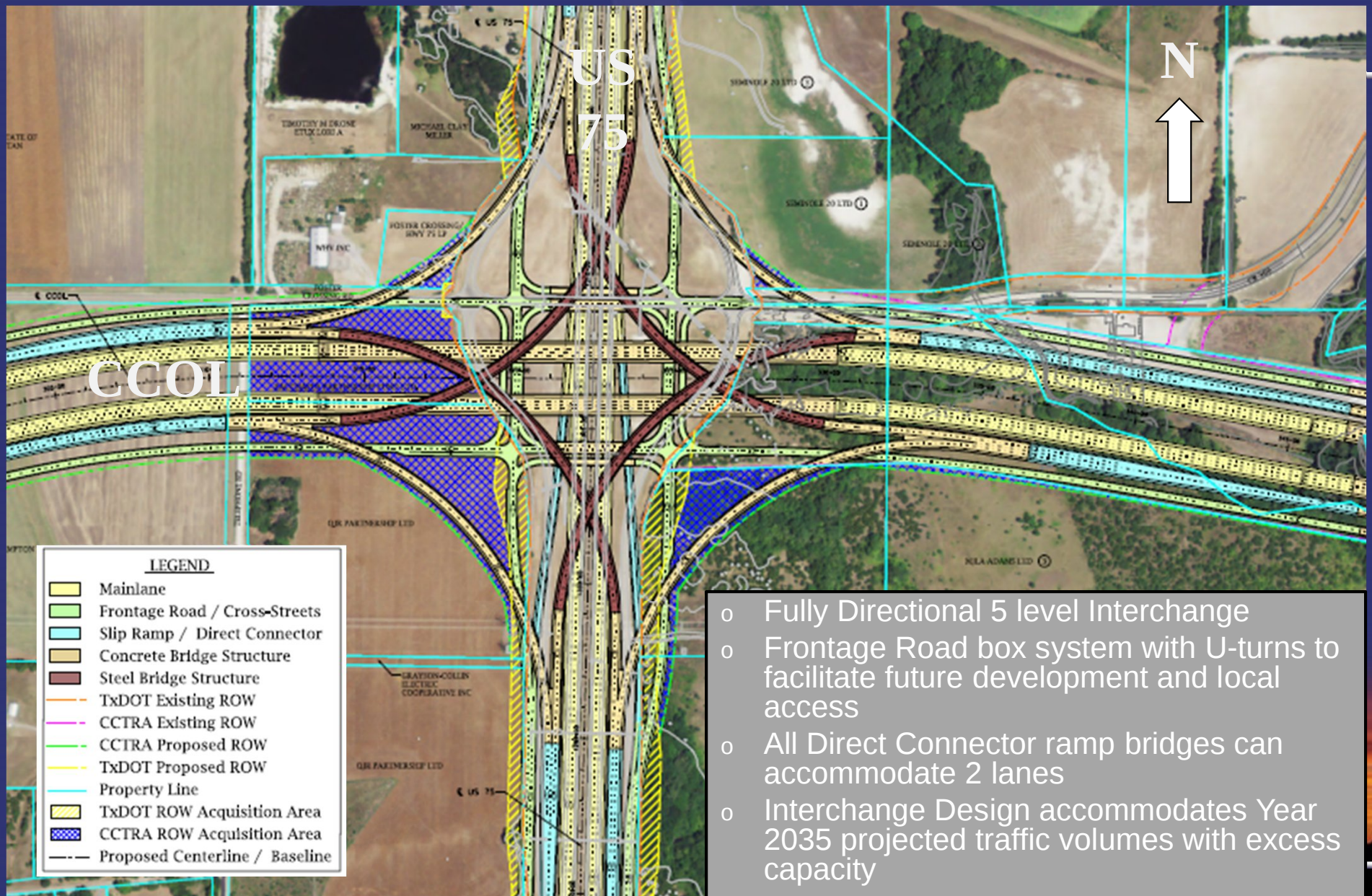
- o Project limits were from immediately south of SH 121 to the Grayson County line
- o Foster's Crossing was proposed as a conventional intersection
- o Design did not accommodate a directional interchange

- Ramping reconfigured from Melissa Road to immediately South of FM 455 to accommodate the future CCOL interchange

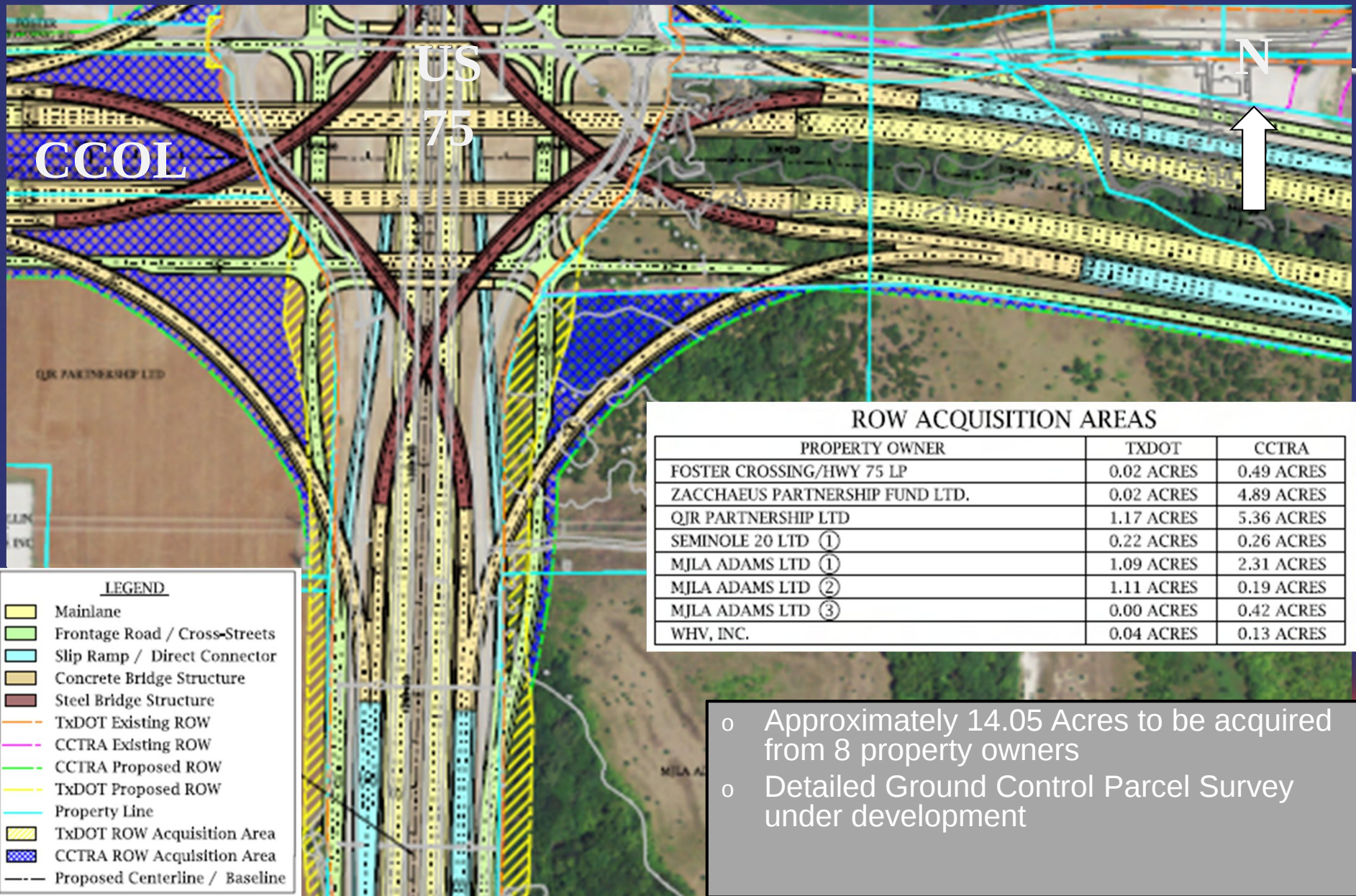
Foster's Crossing



Technically Preferred Alternative



ROW Impacts



- Approximately 14.05 Acres to be acquired from 8 property owners
- Detailed Ground Control Parcel Survey under development