

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

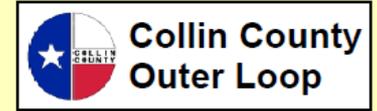


Design Approach

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



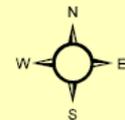
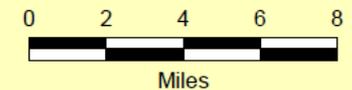
Adjacent Projects



Legend

Numbered Segments

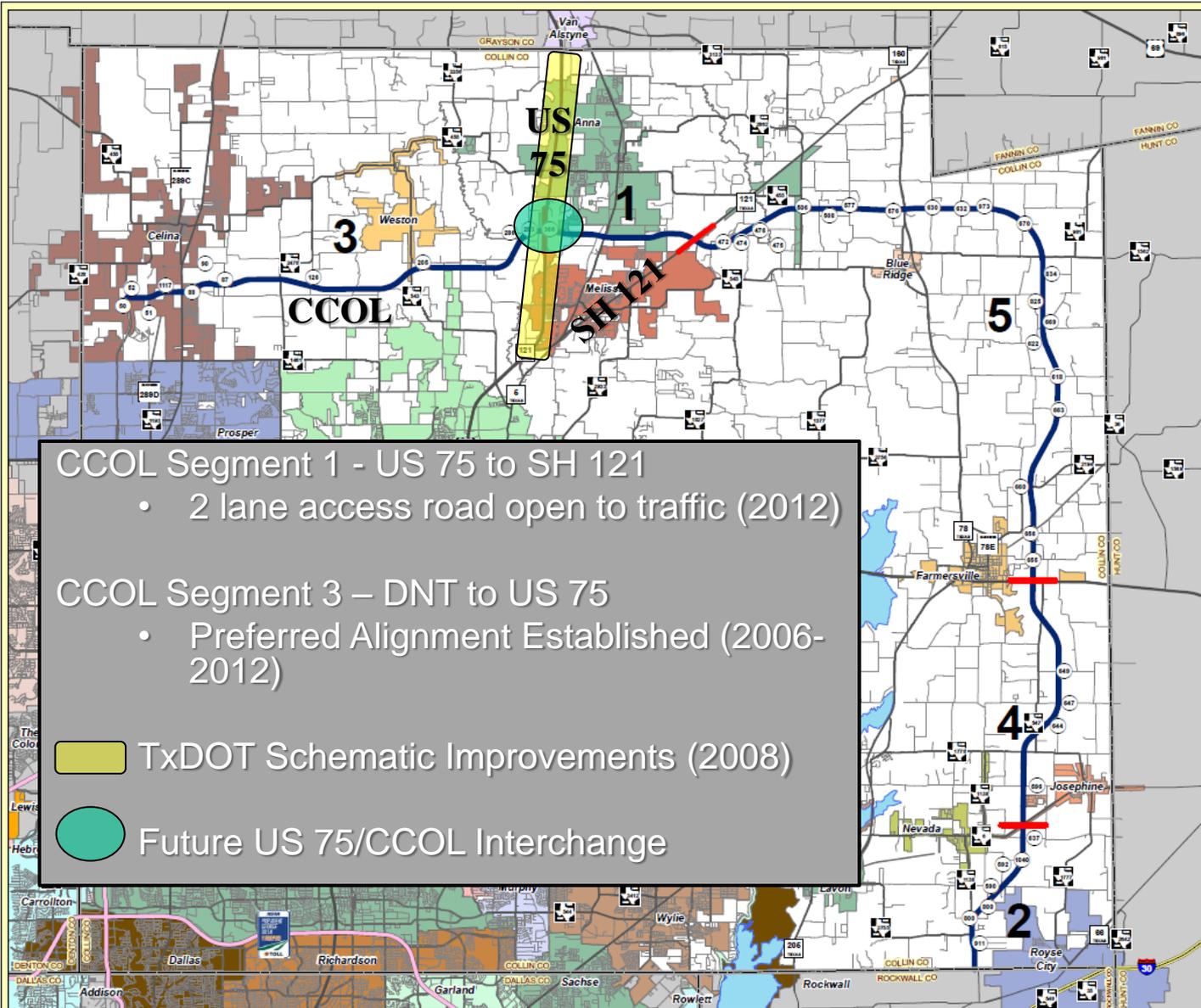
- 1 US 75 - SH 121
- 2 FM 6 - Rockwall Co.
- 3 DNT - US 75
- 4 US 380 - FM 6
- 5 SH 121 - US 380



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



CCOL Segment 1 - US 75 to SH 121

- 2 lane access road open to traffic (2012)

CCOL Segment 3 – DNT to US 75

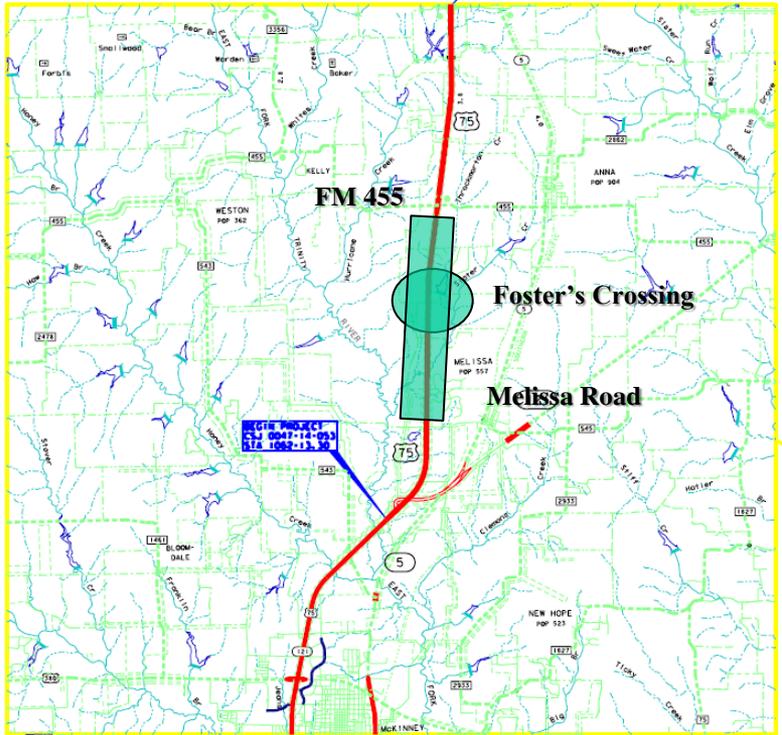
- Preferred Alignment Established (2006-2012)

TxDOT Schematic Improvements (2008)

Future US 75/CCOL Interchange

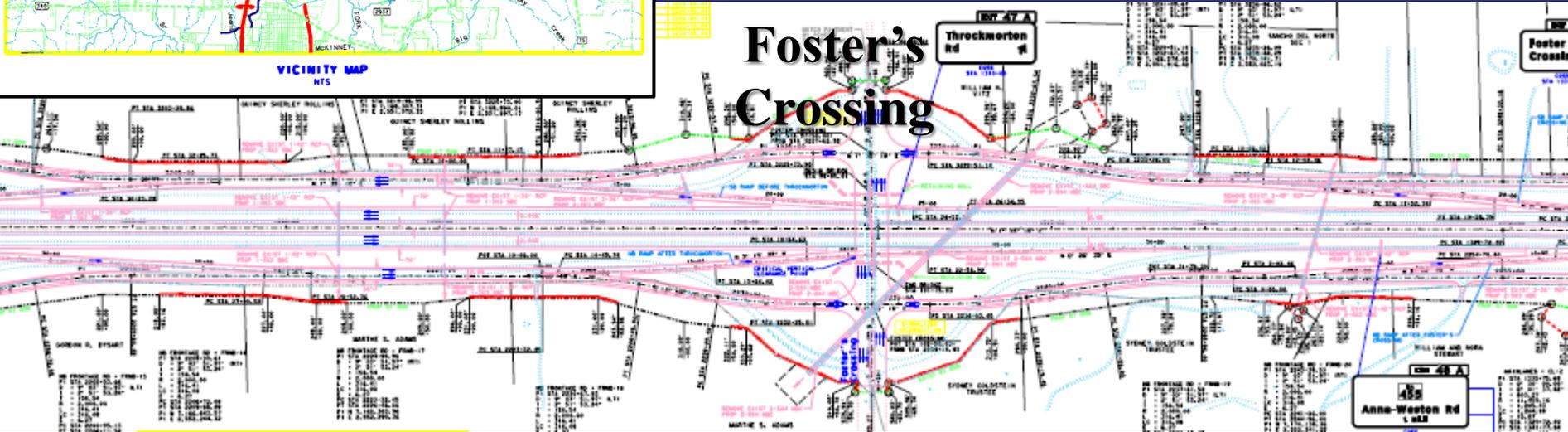
TxDOT Schematic 2008

END PROJECT
STA 0047+14.00
STA 1005+00.00

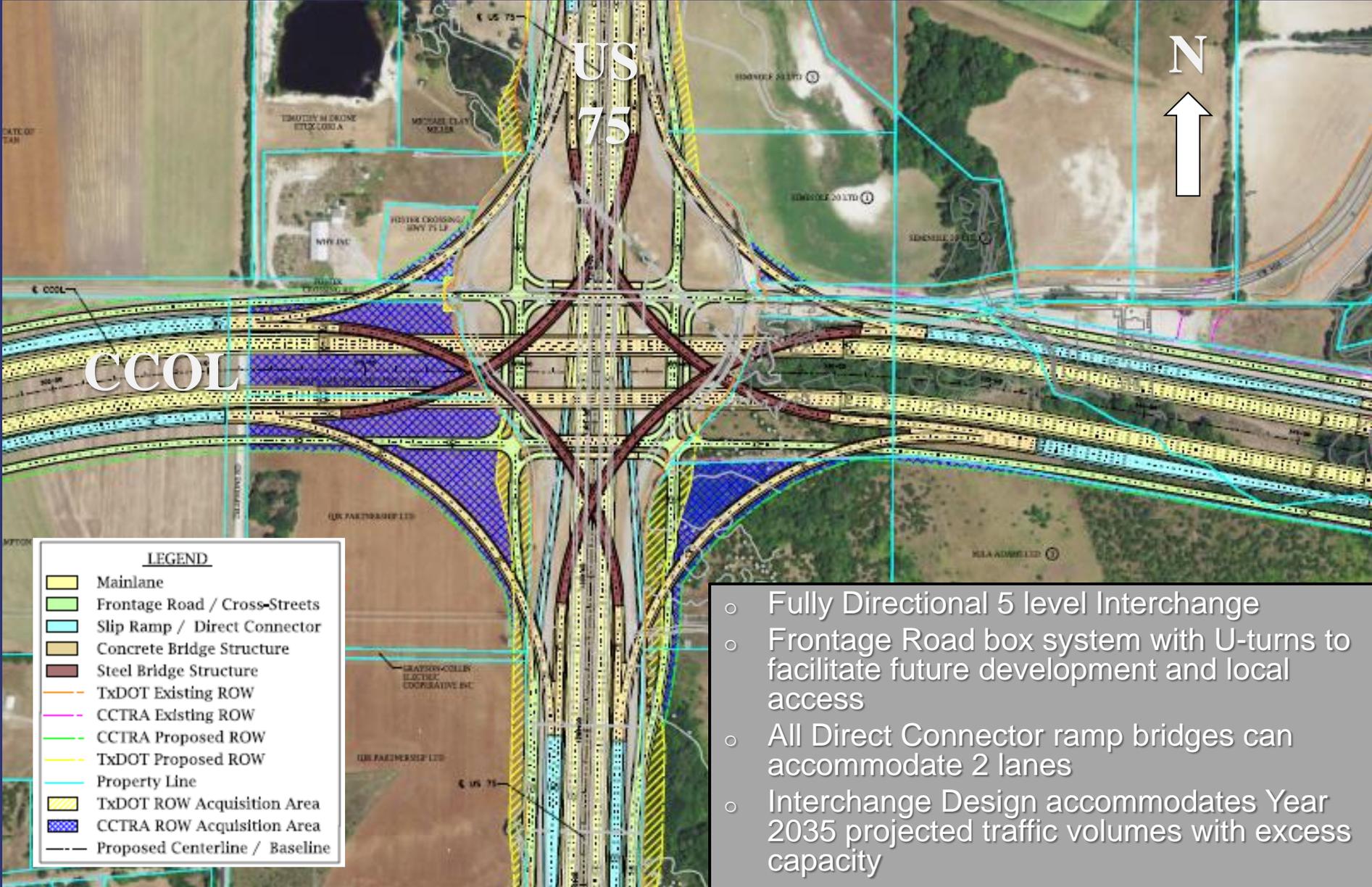


VICINITY MAP
NTS

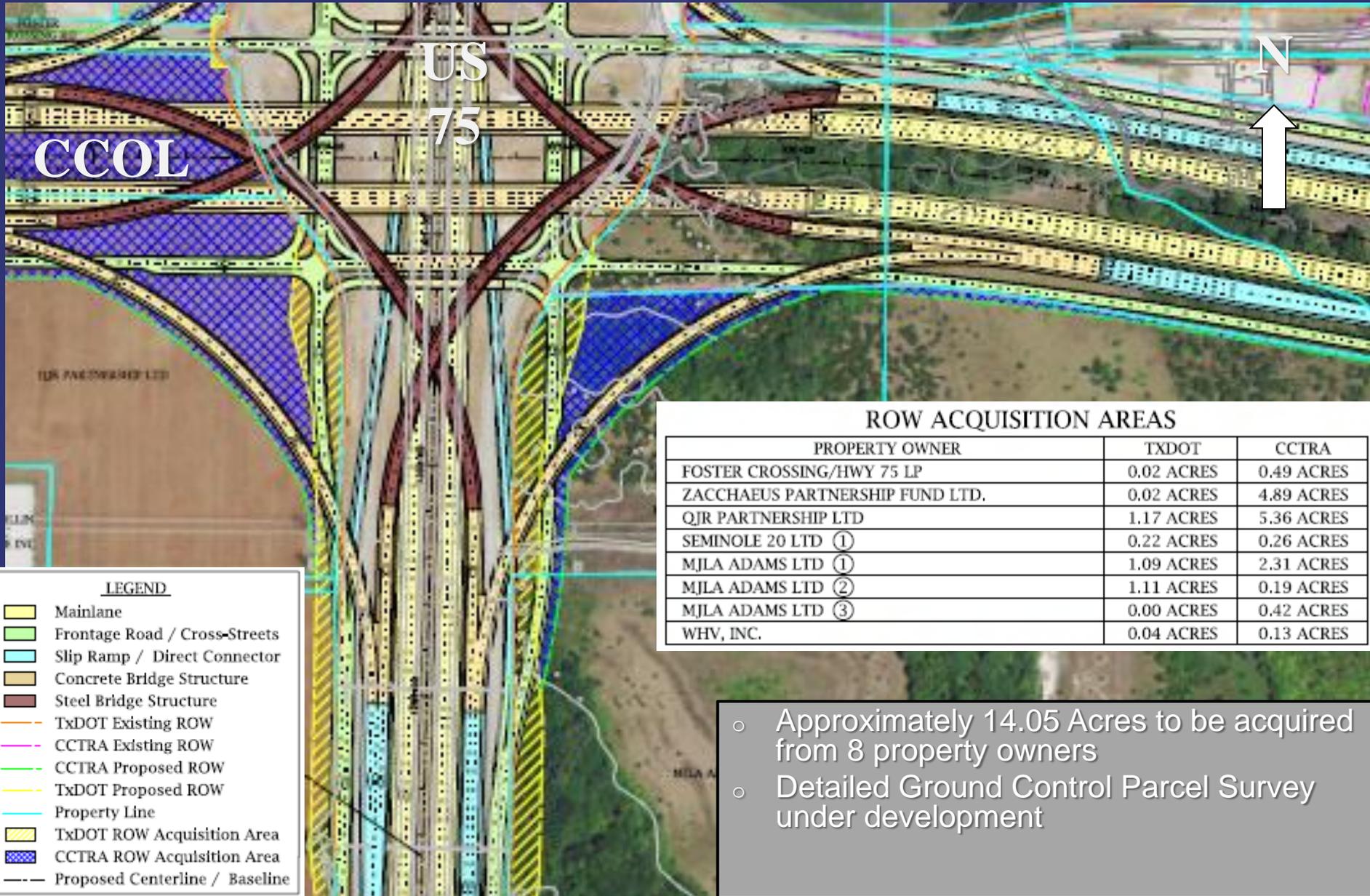
- Project limits were from immediately south of SH 121 to the Grayson County line
- Foster's Crossing was proposed as a conventional intersection
- Design did not accommodate a directional interchange
 - Raming reconfigured from Melissa Road to immediately South of FM 455 to accommodate the future CCOL interchange



Technically Preferred Alternative



ROW Impacts



US
75

CCOL



ROW ACQUISITION AREAS

PROPERTY OWNER	TXDOT	CCTRA
FOSTER CROSSING/HWY 75 LP	0.02 ACRES	0.49 ACRES
ZACCHAEUS PARTNERSHIP FUND LTD.	0.02 ACRES	4.89 ACRES
QJR PARTNERSHIP LTD	1.17 ACRES	5.36 ACRES
SEMINOLE 20 LTD ①	0.22 ACRES	0.26 ACRES
MJLA ADAMS LTD ①	1.09 ACRES	2.31 ACRES
MJLA ADAMS LTD ②	1.11 ACRES	0.19 ACRES
MJLA ADAMS LTD ③	0.00 ACRES	0.42 ACRES
WHV, INC.	0.04 ACRES	0.13 ACRES

LEGEND

- Mainlane
- Frontage Road / Cross-Streets
- Slip Ramp / Direct Connector
- Concrete Bridge Structure
- Steel Bridge Structure
- TxDOT Existing ROW
- CCTRA Existing ROW
- CCTRA Proposed ROW
- TxDOT Proposed ROW
- Property Line
- TxDOT ROW Acquisition Area
- CCTRA ROW Acquisition Area
- Proposed Centerline / Baseline

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