

# Collin County Toll Road Authority Outer Loop Segment 3a Progress Update



August 8, 2016

DNT to East of Preston Road (SH 289)

ch2m



# Collin County Outer Loop Seg 3a BNSF Communication / Coordination

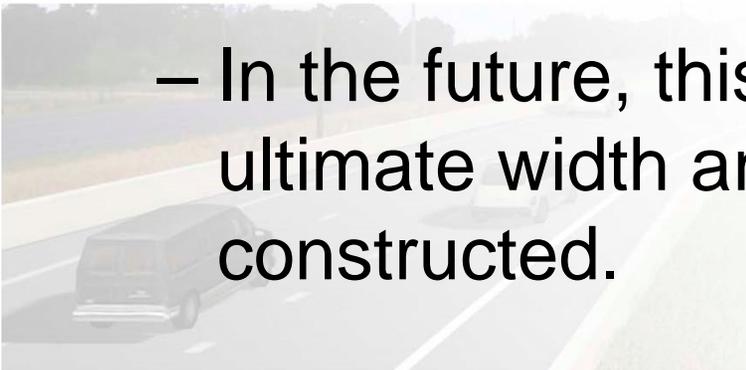
- ~~– Original at grade crossing at CR 53~~
- ~~– New at grade crossing shifted approx. 200' north~~
  - ~~• EB FR at grade crossing denied by BNSF~~
- ~~– RR solutions offered at additional project costs~~
- Mainlane Only Concept Developed
  - From just west of Doe Branch to Preston Road



# Collin County Outer Loop Seg 3a

## What is the Mainlane Only Concept?

- The proposed frontage roads will be eliminated from just west of Doe Branch to Preston Road.
- A portion of the ultimate EB ML bridge will be constructed with the current plans and used as a two-way frontage road system in the interim condition.
- In the future, this bridge will be widened to the ultimate width and a WB ML bridge will be constructed.



# Collin County Outer Loop Seg 3a

## Benefits of ML Only Concept

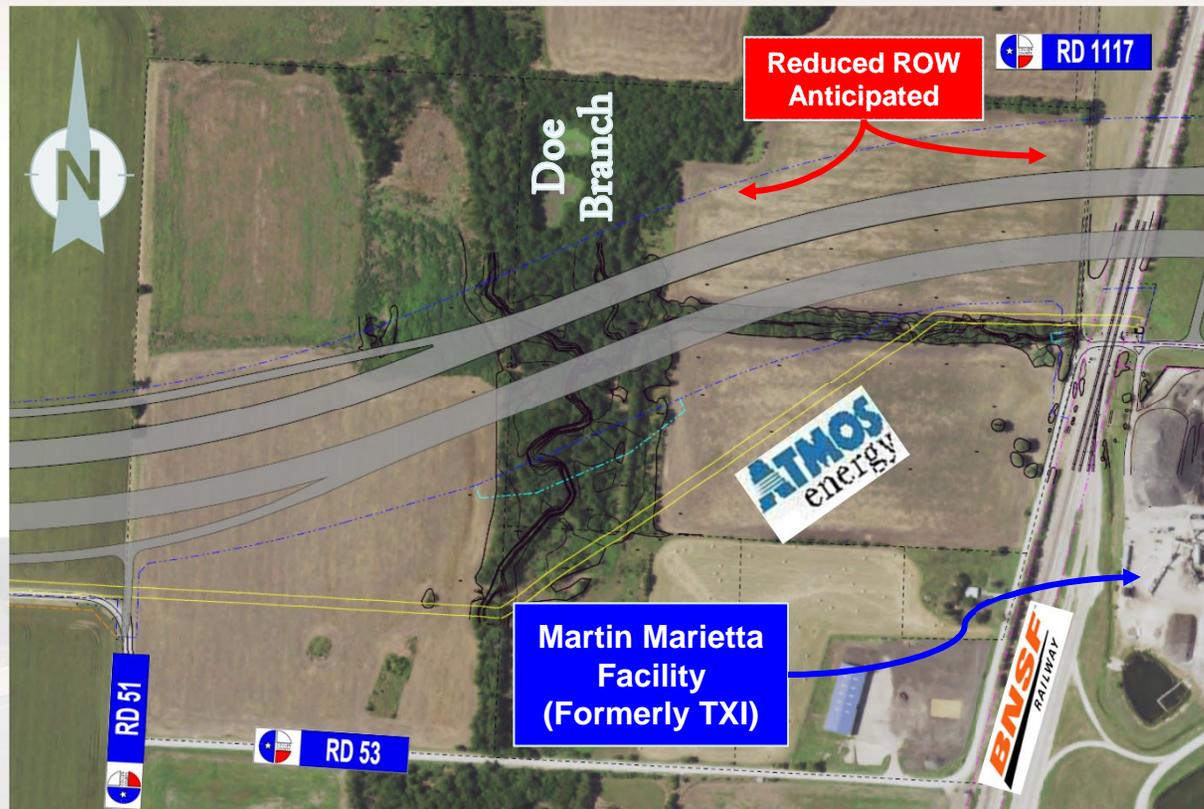
- Eliminates two frontage road RR crossings.
- Eliminates two Doe Branch Creek frontage road bridges.
- With no at-grade RR crossings, traffic can flow independently of BNSF activities.
- Future ML bridge widening will not impact traffic during future construction.
- Shifts some ultimate CCOL construction costs into today's plans.
- Reduces ultimate Outer Loop construction costs by eliminating unneeded roadway and bridge costs.

# Collin County Outer Loop Seg 3a Before BNSF Decision



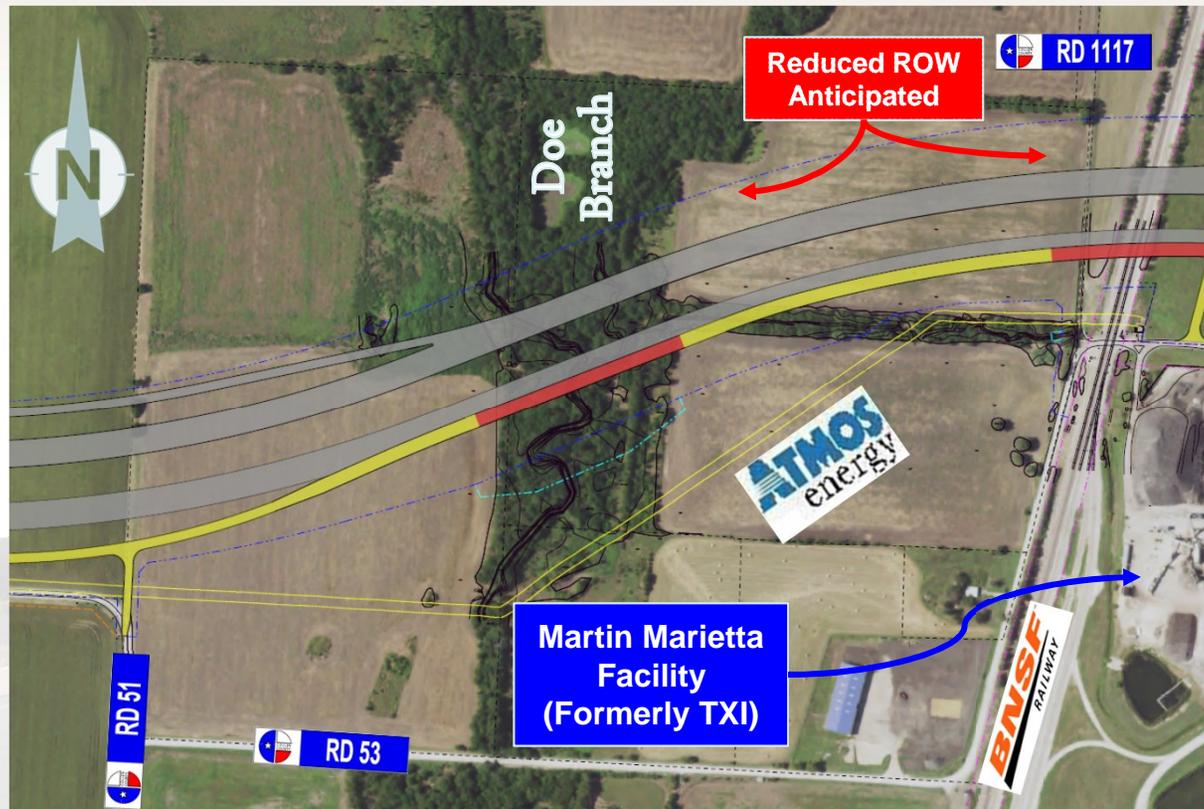
From West of Doe Branch to BNSF Railroad

# Collin County Outer Loop Seg 3a Mainlane Only Concept



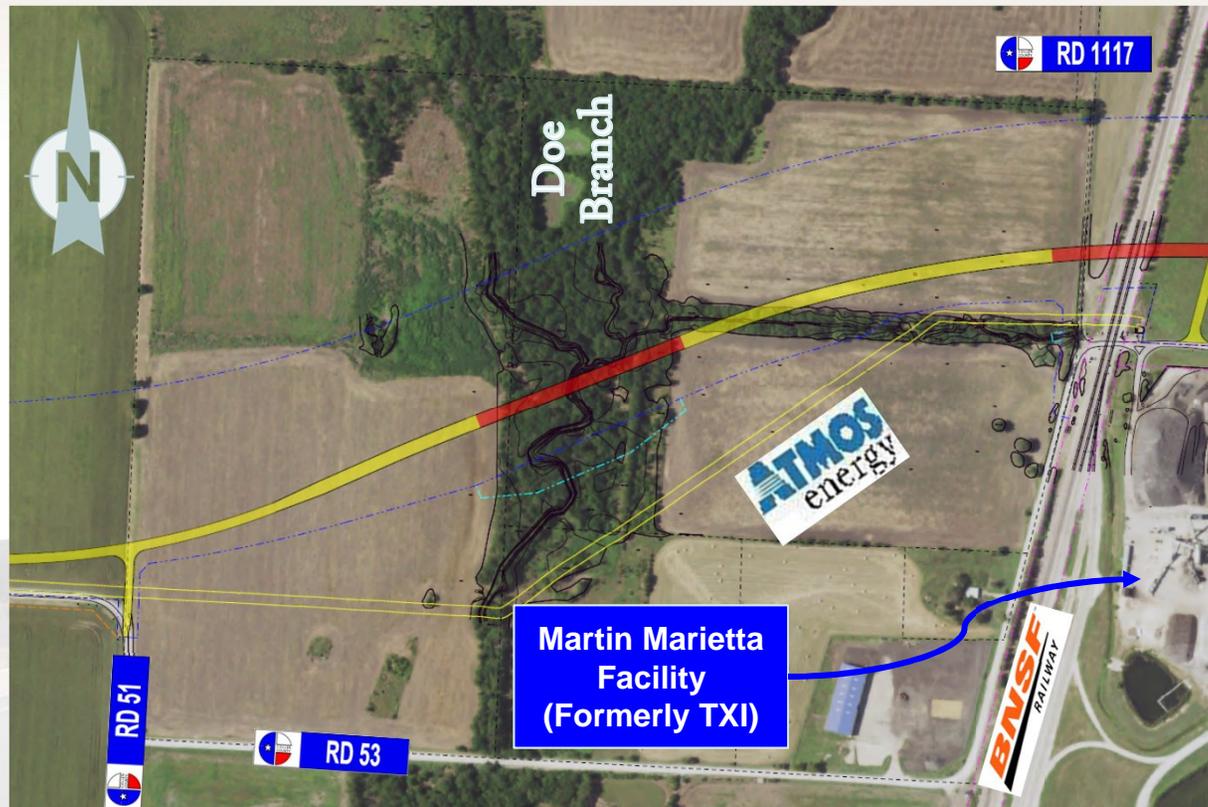
From West of Doe Branch to BNSF Railroad

# Collin County Outer Loop Seg 3a Mainlane Only Concept



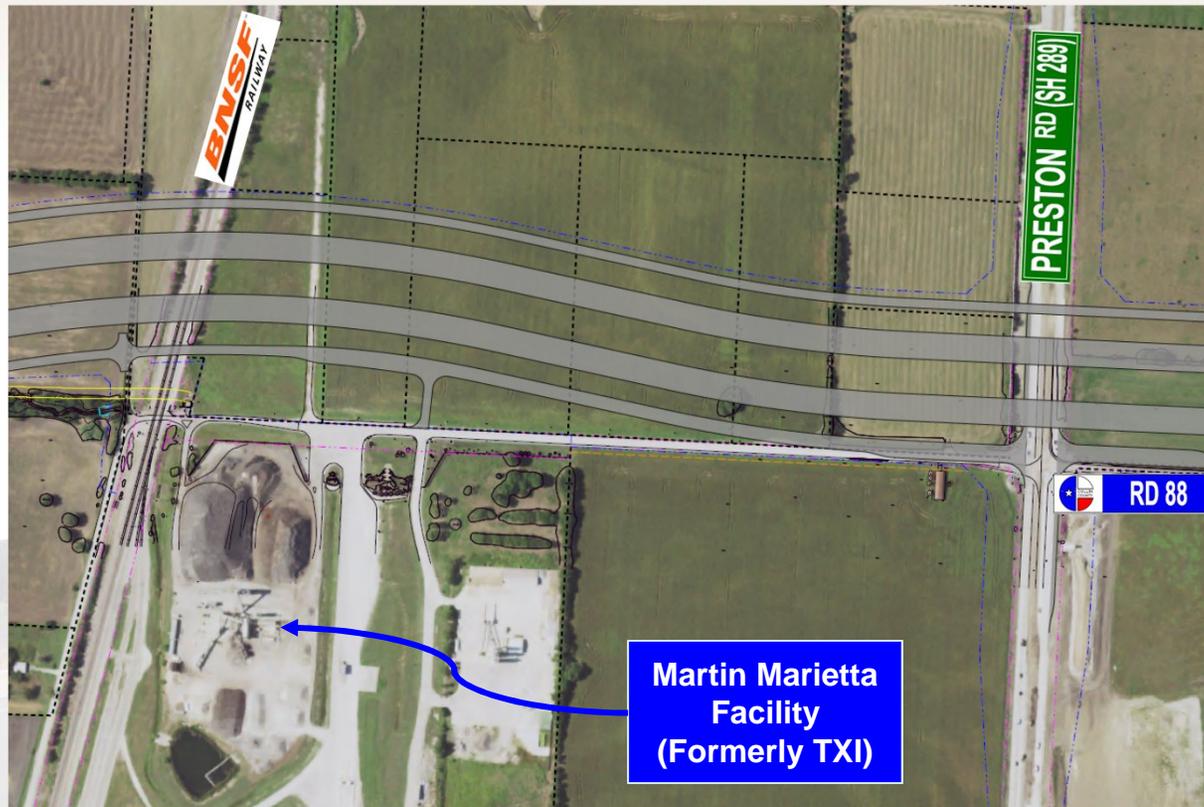
From West of Doe Branch to BNSF Railroad

# Collin County Outer Loop Seg 3a Mainlane Only Concept



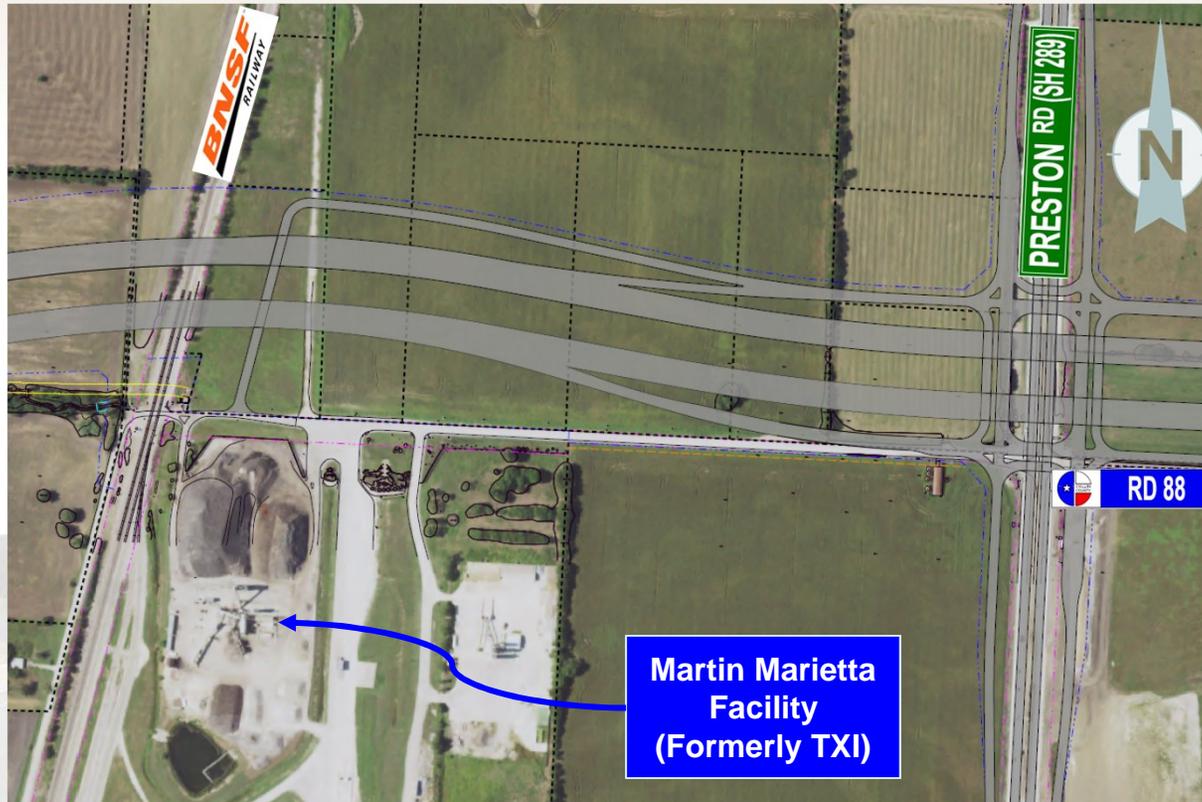
From West of Doe Branch to BNSF Railroad

# Collin County Outer Loop Seg 3a Before BNSF Decision



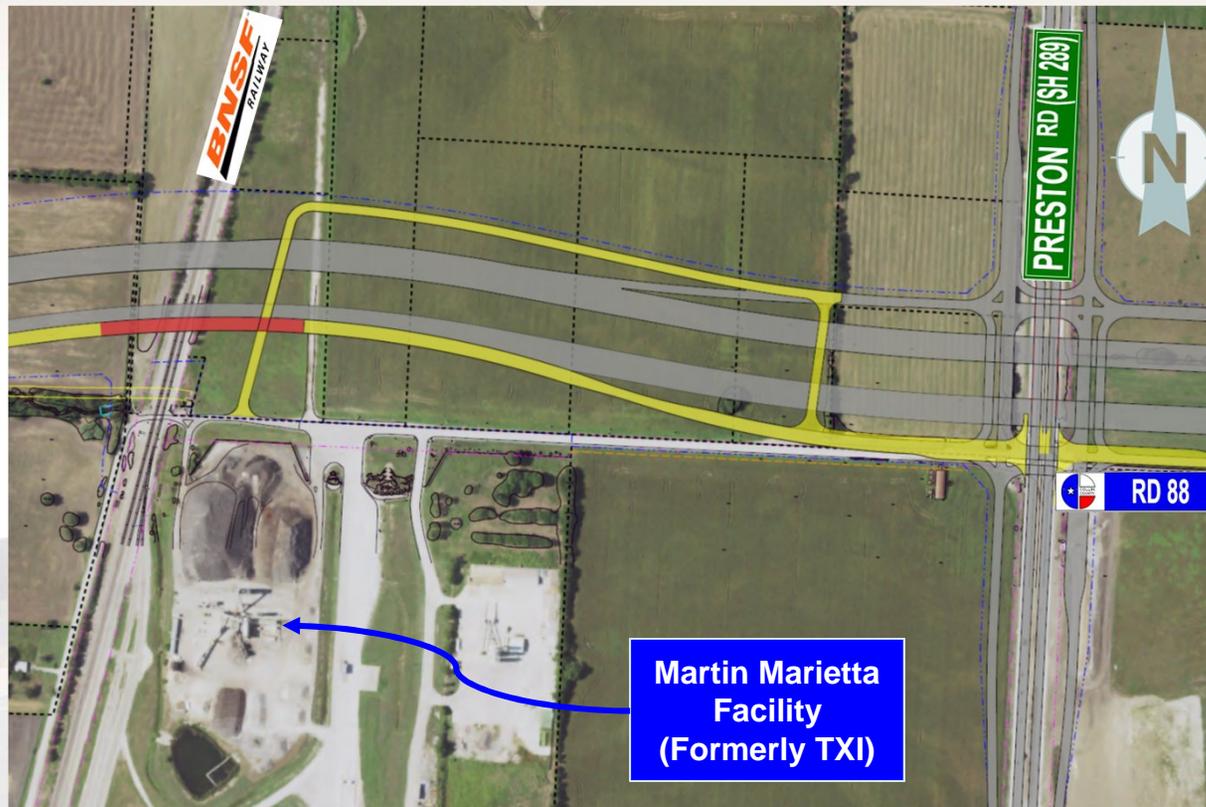
From East of BNSF Railroad to East of SH 289

# Collin County Outer Loop Seg 3a Mainlane Only Concept



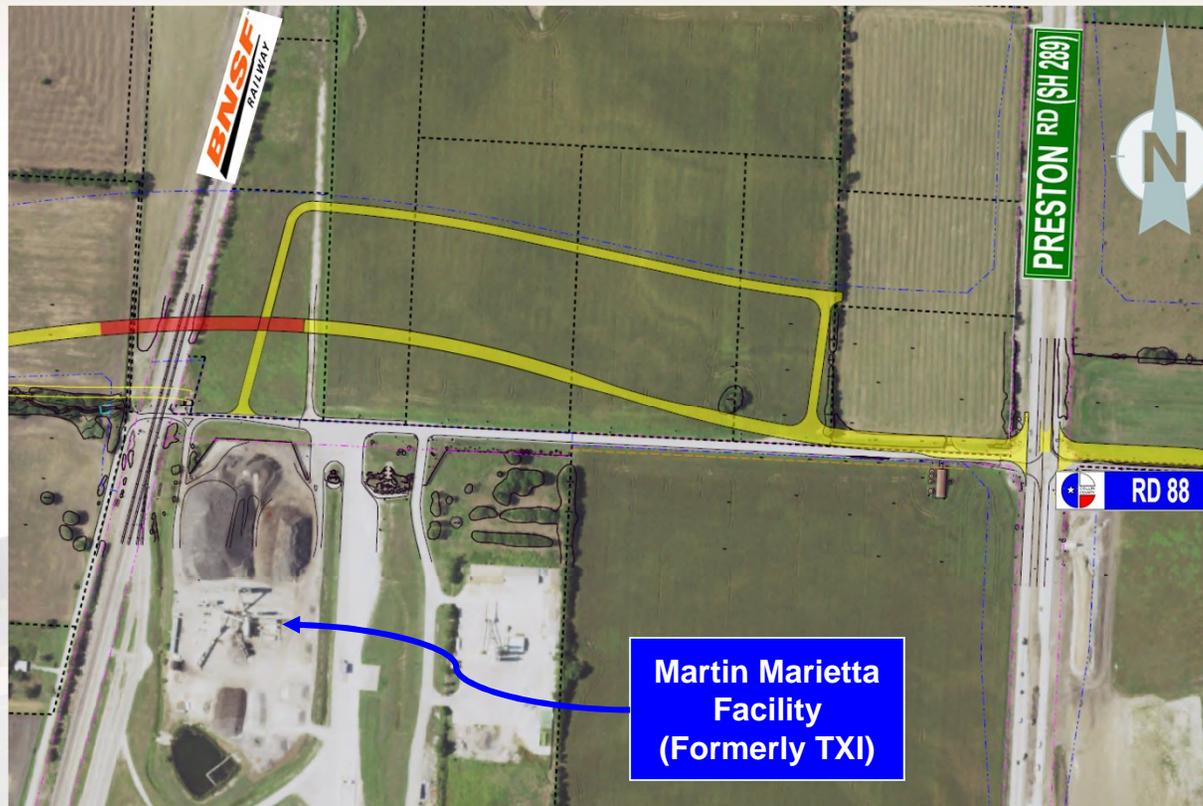
From East of BNSF Railroad to East of SH 289

# Collin County Outer Loop Seg 3a Mainlane Only Concept



From East of BNSF Railroad to East of SH 289

# Collin County Outer Loop Seg 3a Mainlane Only Concept



From East of BNSF Railroad to East of SH 289

# Collin County Outer Loop Seg 3a Construction Cost Adjustments

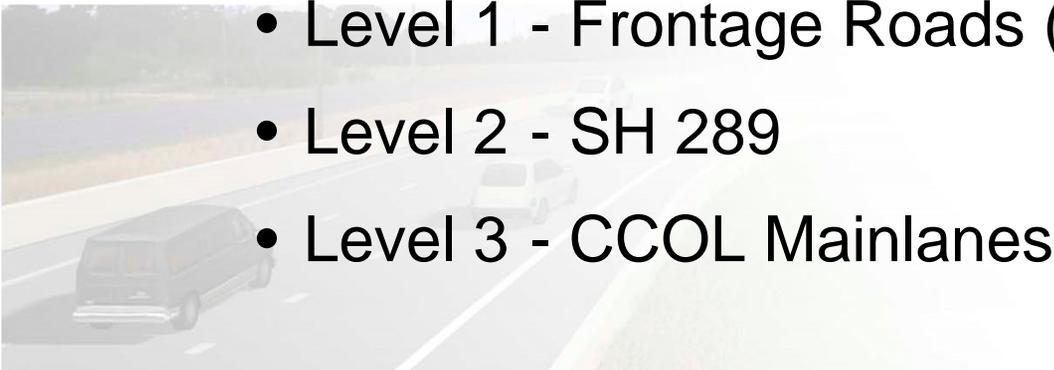
Collin County Outer Loop Construction Cost Adjustments	
EB FR Cost (Before BNSF)	\$9.2M
ML Only Concept*	\$16.5M

\* Future construction costs shifted forward into current project



# Collin County Outer Loop Seg 3a CCOL & SH 289 Interchange

- In June 2015, CH2M prepared conceptual interchange exhibit in an effort to environmentally clear the area for potential ROW needs.
- This concept (similar to SRT/SH 289) included:
  - Level 1 - Frontage Roads (At-Grade)
  - Level 2 - SH 289
  - Level 3 - CCOL Mainlanes



# Collin County Outer Loop Seg 3a CCOL & SH 289 Interchange (Modified)

– The modified concept includes:

- Level 1 - Frontage Roads (At-Grade) **(No Change)**
- Level 2 - CCOL Mainlanes
- Level 3 - SH 289



# Collin County Outer Loop Seg 3a Future Activities

## Stakeholder Involvement

- TxDOT & NCTCOG Coordination
- Collin County's DNT Consultant Coordination
- Additional MAPO Meeting(s)



# Collin County Outer Loop Seg 3a Future Activities

- Continue ROW Acquisition for Segment 3a
- Continue Development for 60% Design Plans Resubmittal



# Collin County Toll Road Authority Outer Loop Segment 3a Questions?



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