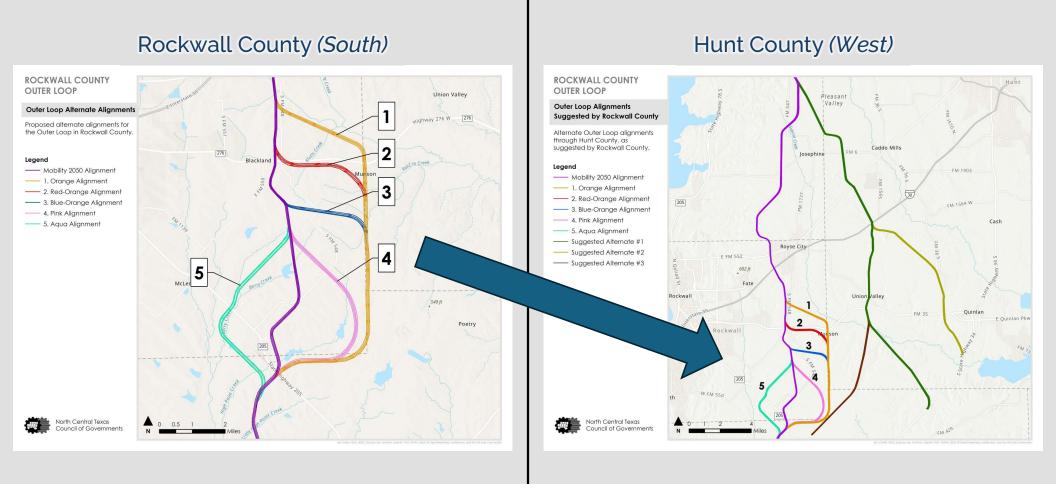


NCTCOG TRANSPORTATION DEPARTMENT

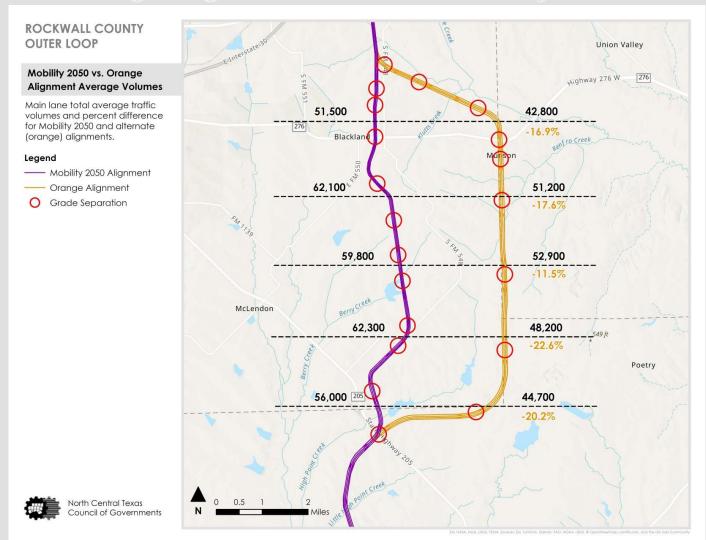
Rockwall County Outer Loop Alternate Routes

Rockwall County Consortium Meeting October 15, 2025

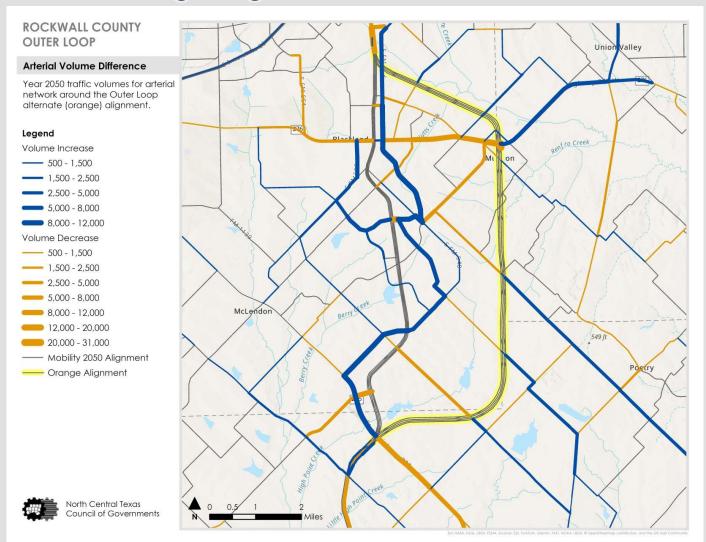
Regional Outer Loop Alternate Alignments



Orange Alignment - Rockwall County (South)



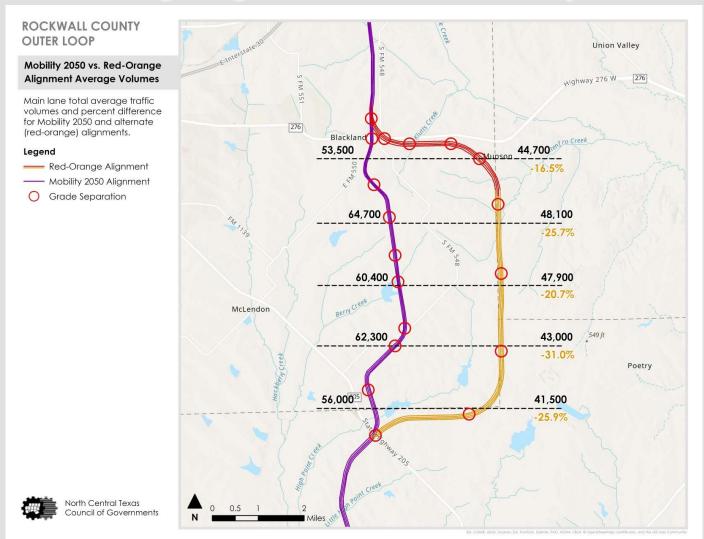
Orange Alignment Volume Difference



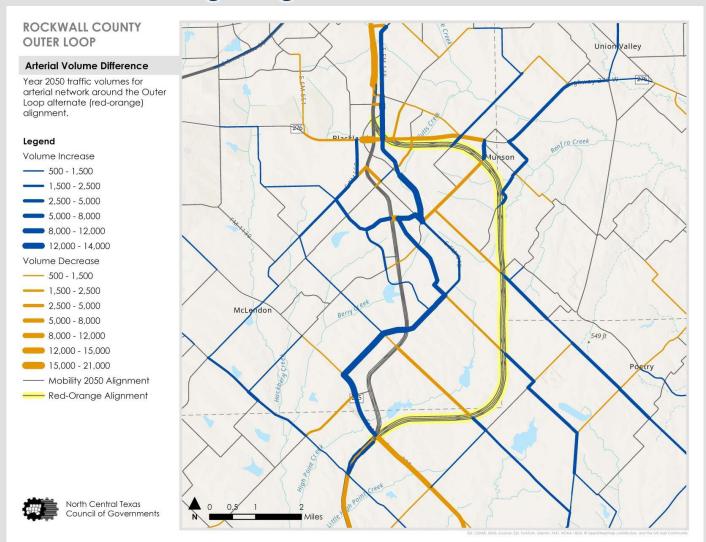
Orange Alignment Recommendation

- Estimated Project Cost: \$967,400,000
- Cost Difference: \$109,900,000 higher (Mobility 2050 alignment)
- Annual Benefits: -\$47,000,000
- Kaufman County Connection: No
- Recommendation : Should be dropped

Red-Orange Alignment - Rockwall County (South)



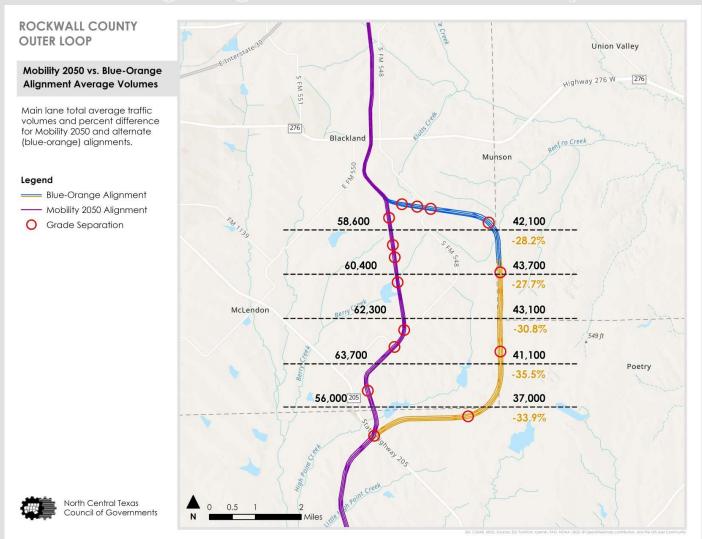
Red-Orange Alignment Volume Difference



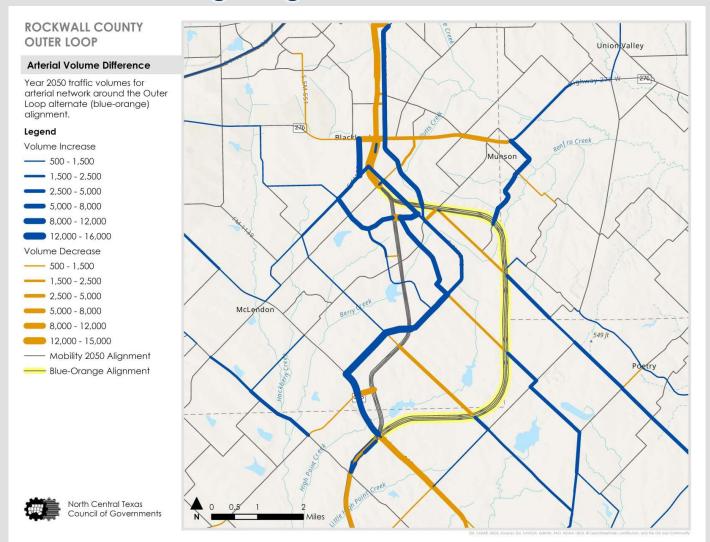
Red-Orange Alignment Recommendation

- Estimated Project Cost: \$1,021,300,000
- Cost Difference: \$163,800,000 higher (Mobility 2050 alignment)
- Annual Benefits: -\$67,200,000
- Kaufman County Connection: No
- Recommendation : Should be dropped

Blue-Orange Alignment - Rockwall County (South)



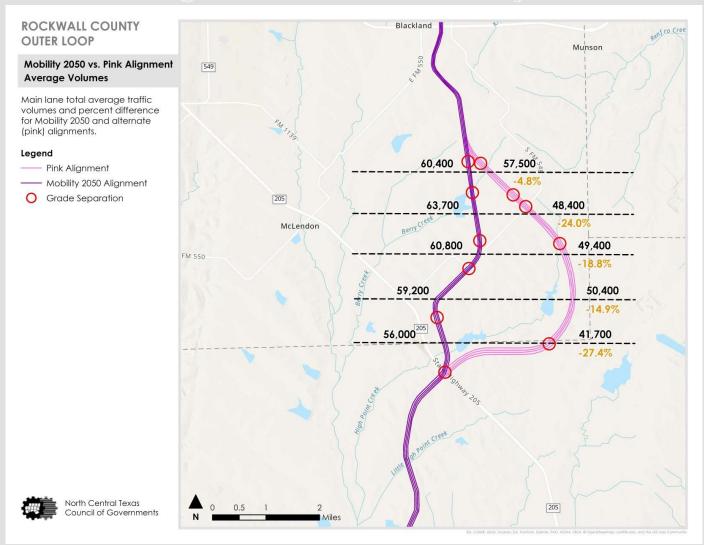
Blue-Orange Alignment Volume Difference



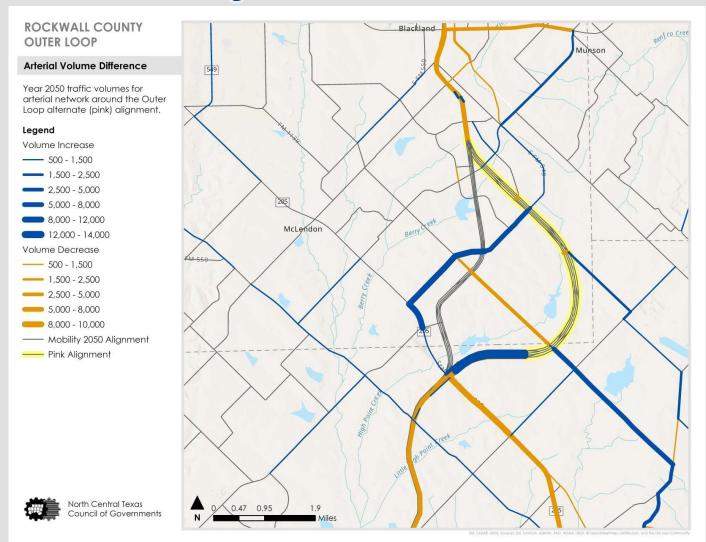
Blue-Orange Alignment Recommendation

- Estimated Project Cost: \$917,400,000
- Cost Difference: \$59,900,000 higher (Mobility 2050 alignment)
- Annual Benefits: -\$66,900,000
- Kaufman County Connection: No
- Recommendation: Should be dropped

Pink Alignment - Rockwall County (South)



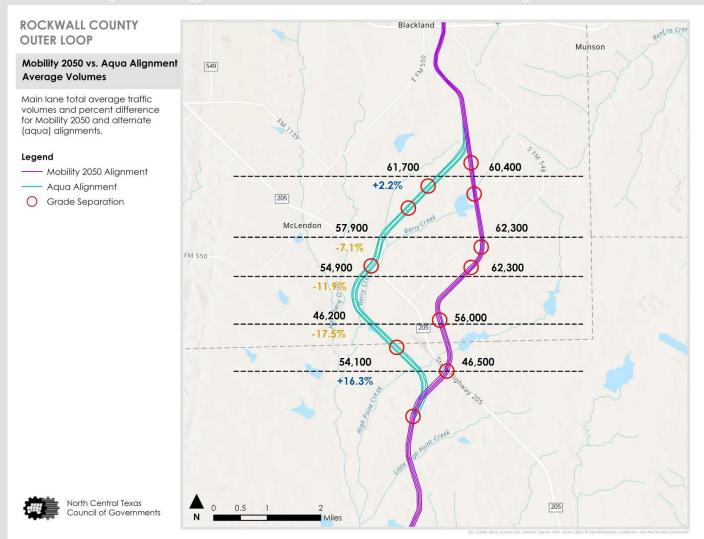
Pink Alignment Volume Difference



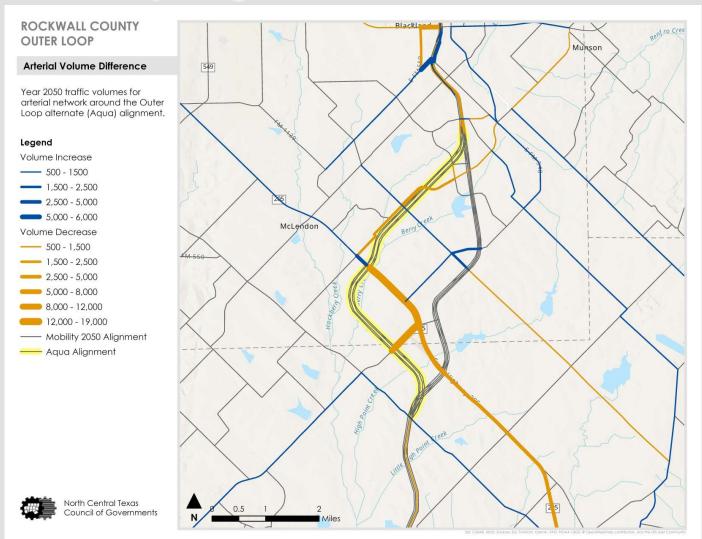
Pink Alignment Recommendation

- Estimated Project Cost: \$909,900,000
- Cost Difference: \$52,400,000 higher (Mobility 2050 alignment)
- Annual Benefits: -\$42,600,000
- Kaufman County Connection: No
- Recommendation: Should be dropped

Aqua Alignment - Rockwall County (South)



Aqua Alignment Volume Difference



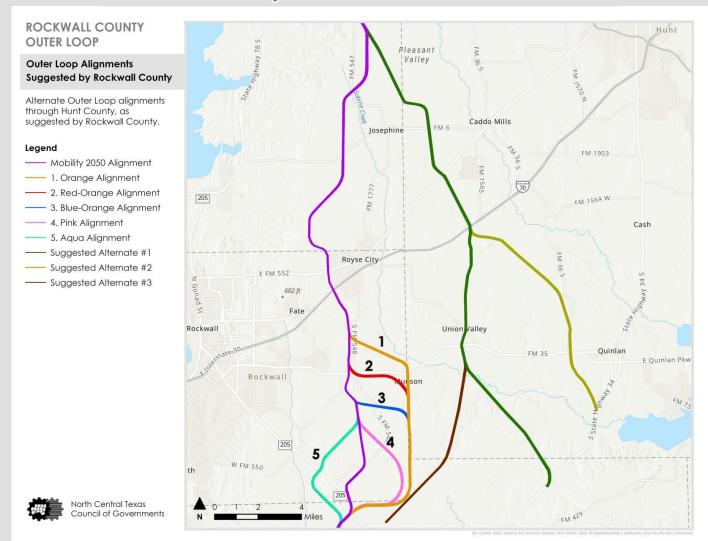
Aqua Alignment Recommendation

- Estimated Project Cost: \$954,200,000
- Cost Difference: \$96,700,000 higher (Mobility 2050 alignment)
- Annual Benefits: -\$19,800,000
- Kaufman County Connection: Close
- Recommendation: Could be considered
 - Lowest in lost annual benefits
 - Moving west captures travel demand
 - Close to Kaufman County connection

Summary of Alternative Alignment Recommendations

- Orange Alignment Should be dropped
- Red-Orange Alignment Should be dropped
- Blue-Orange Alignment Should be dropped
- Pink Alignment Should be dropped
- Aqua Alignment Could be considered

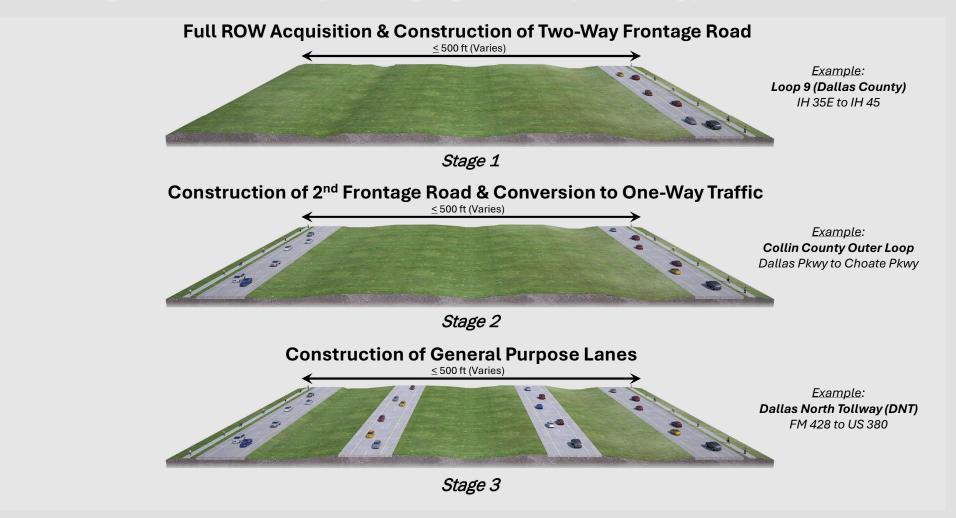
Hunt County (West) Alternate Routes



Hunt County Alternate Routes - Study Considerations

- Significant departures from locally/technically preferred Outer Loop routes in Rockwall County (established in 2007) and Collin County (established in 2010), as well as TxDOT's IH 30 interchange location (established in 2019).
- Hunt County travel demand simulation (year 2035) from NCTCOG's 2011 Regional Outer Loop Corridor Feasibility Study resulted in volumes not sufficient for freeways (see dark green alignment previous page).
- Future local thoroughfare system without the Outer Loop would operate at poor levels of service (LOS).
- Project delays from studying additional alignments could allow developers/property owners to construct new structures within all forms of zoning/land use types, increasing the number of impacts and displacements.
- Delayed right-of-way (ROW) preservation would result in increased costs for engineering, land acquisition, utility relocation, and construction.
- Shifting the alignment could result in loss of the economic generator provided by a freeway.
- Hunt County would not support a route that does not meet traffic objectives per letter from June 3, 2025.

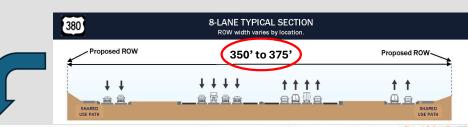
Regional Outer Loop - Staging and Proposed Typical Sections



How/When Are Potential Impacts Addressed?

ACTION	PURPOSE	APPROACH	HIERARCHY	TIMING	OBLIGATION
Avoid	To prevent a negative impact entirely.	Eliminate the source of the problem.	1 st (effective <u>only</u> if costs/ benefits not affected)	Environmental	TxDOT
Minimize	To reduce severity of an impact.	Limit the extent or degree of action.	2 nd	Environmental	TxDOT
Mitigate	To compensate for unavoidable loss or damage.	Repair or replace what was lost or damaged.	3 rd	Environmental & Final Design	TxDOT & affected parties
Enhance	To create a net positive gain.	Improve the condition beyond its original state.	Separate from negative mitigation (can be offset)	Final Design	Affected parties/partners, then engage TxDOT
Land Use Team Partnership	Create system resulting in city development rules guiding development.	Partnership impacting positive land use results.	All the above	Environmental	Cities & counties

MINIMIZE: Proposed US 380 Freeway – McKinney

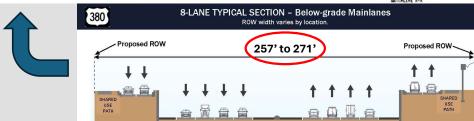


Residents of Tucker Hill Estates & Stonebridge Ranch voiced concerns over noise, visual, air pollution, community cohesion, & quality of life impacts from proposed construction of the US 380 freeway.

TxDOT minimized these potential impacts by:



- Reducing ROW width substantially (~100 feet)
- Depressing general purpose lanes (~25 feet)
- Adding retaining walls & sound barriers
- Providing local street crossing (Tremont Blvd)
- Relocating entrance/exit ramps



SOURCE: TxDOT (2023) - US 380 Environmental Assessment (Coit Road to FM 1827)

MITIGATE: Proposed US 380 Freeway - Princeton

The Princeton Crossroads neighborhood quickly developed during TxDOT's US 380 study in an area bordered by the Lavon Lake Wildlife Management Area (WMA), owned & operated by the US Army Corps of Engineers (USACE). With the new US 380 freeway setting a new border between the land uses, TxDOT **mitigated** impacts by:

- Eliminating continuous frontage roads between FM 1377 – CR 490 to shrink WMA easement acquisition (23 acres) & limit intrusion between land uses
- Committing to vegetation planting & habitat restoration for offset WMA acreage via Compensatory Mitigation Plan (CMP)
- Adding neighborhood noise barriers

US 380 Conceptual Rendering – Noise Barrier

Noise barrier views from Proposed US 380 and Cashmere Way

Note: See schematic roll for design details



Note: These potential noise barrier renderings are conceptual. The exact location and aesthetics of any potential noise barrier will be further refined and voted on during future noise barrier workshops.









The renderings are not to-scale and shown for illustration purposes only. Actual views are subject to change.

US 380 Princeton Public Hearing | CSJs: 0135-04-036, 0135-03-056, 0135-16-002



SOURCE: TxDOT (2024) - US 380 Environmental Assessment (FM 1827 to CR 560)

ENHANCE: Some Examples Among Many



Gateway Signs



Decorative Retaining Walls



Landscaping/Screening



Decorative Sound Walls



Public Art Displays



Bridge/Path Rails & Fences

NCTCOG Staff - Contact Information

Michael Morris, P.E. – Director of Transportation mmorris@nctcog.org (817) 695-9241

Jeffrey C. Neal, PTP – Transportation Planning & Streamlined Project Delivery jneal@nctcog.org (214) 223-0578

Berrien Barks – Transportation Planning bbarks@nctcog.org (817) 695-9282

Chris Reed – Transportation Planning creed@nctcog.org (817) 695-9271

Wade Haffey – Transportation Planning whaffey@nctcog.org (817) 695-9254

Clay Johnson – Transportation Planning cejohnson@nctcog.org (817) 695-9124