

The Bachman Lake Area Planning meeting will begin shortly



NCTCOG
TRANSPORTATION DEPARTMENT



Please mute your microphone until called on for questions.



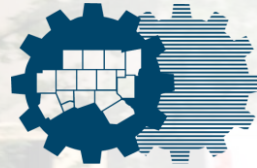
Questions will be addressed at end of the meeting. Please enter questions in chat.



This meeting is being recorded.



The presentation will be shared after the meeting:
www.NCTCOG.org/BachmanArea



NCTCOG TRANSPORTATION DEPARTMENT

BACHMAN LAKE AREA PLANNING STUDY

Virtual Public Meeting | 8.5.2021

About NCTCOG

The North Central Texas Council of Governments (NCTCOG)

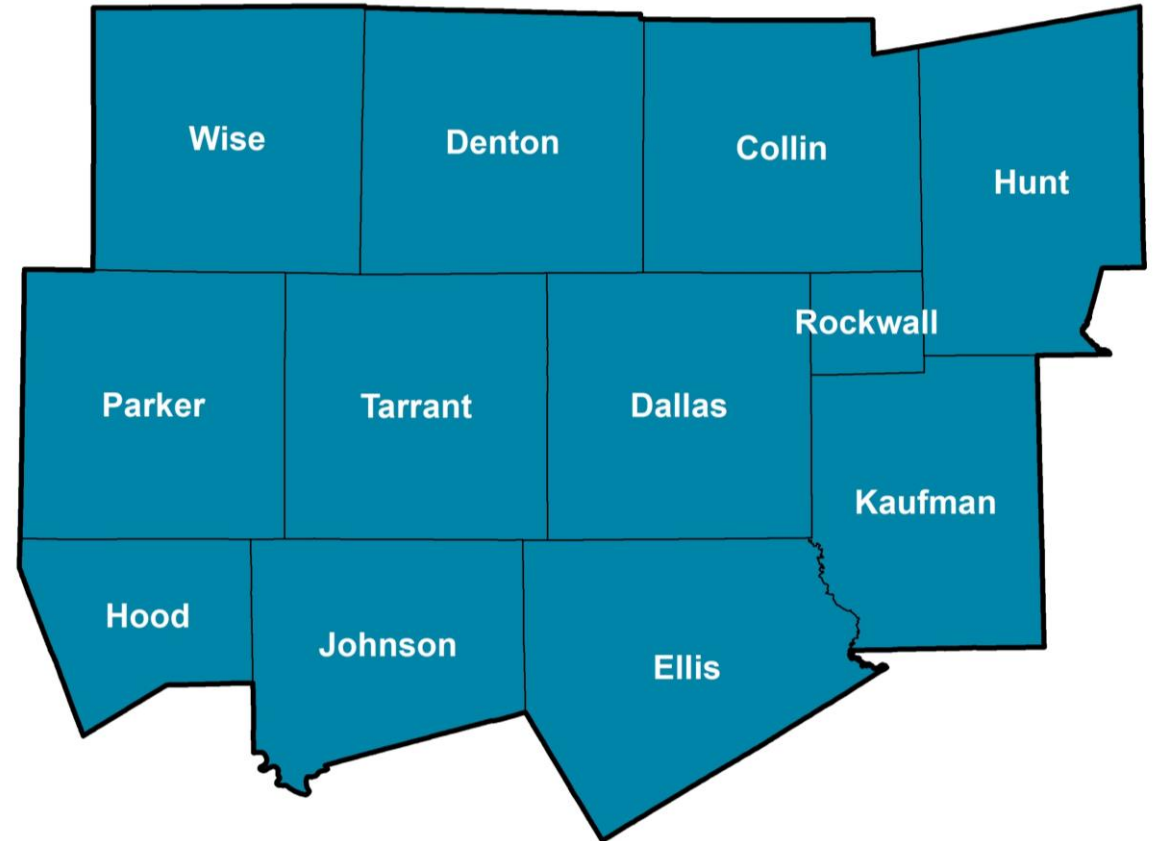
Metropolitan Planning Organization for the Dallas-Fort Worth region

Regional Transportation Council (RTC)

Transportation actions
Effectiveness and equity
Funding of “projects and programs”

Dallas Representation on RTC

City Council – 4
Citizen Representatives – 2
Dallas County – 2





NCTCOG Objectives

- Comprehensively advance **transportation safety** and access in the study area
- Identify ways to prioritize and improve safe **bicycle, pedestrian, and transit travel**
- Advise the City of Dallas on the **traffic impacts of different Love Field alternative entries** and propose solutions to **reduce traffic on Northwest Highway**
- Advance **economic development** and **recreation opportunities** through possible redesign of Northwest Highway
- Following through on ten ideas from beginning of planning project

Meeting Agenda

- Background ten project ideas
- Summary of map comments received from public
- Alternative entry analysis and roadway enhancements
- Discussion and comments

Activities to Date



Background Ten Project Ideas

Idea	Update Today
1. City of Dallas Coordination	Yes
2. TxDOT Coordination	Yes
3. Love Field Access	Yes
4. Study Area Refinement	Complete
5. Public Involvement	Yes
6. Economic Development	No
7. Trails and Parks Access	No
8. Depress NW Hwy/Pedestrian Cap	Yes
9. Harry Hines Blvd	Yes
10. DART Coordination	No

This icon will appear in future slides to indicate idea presented

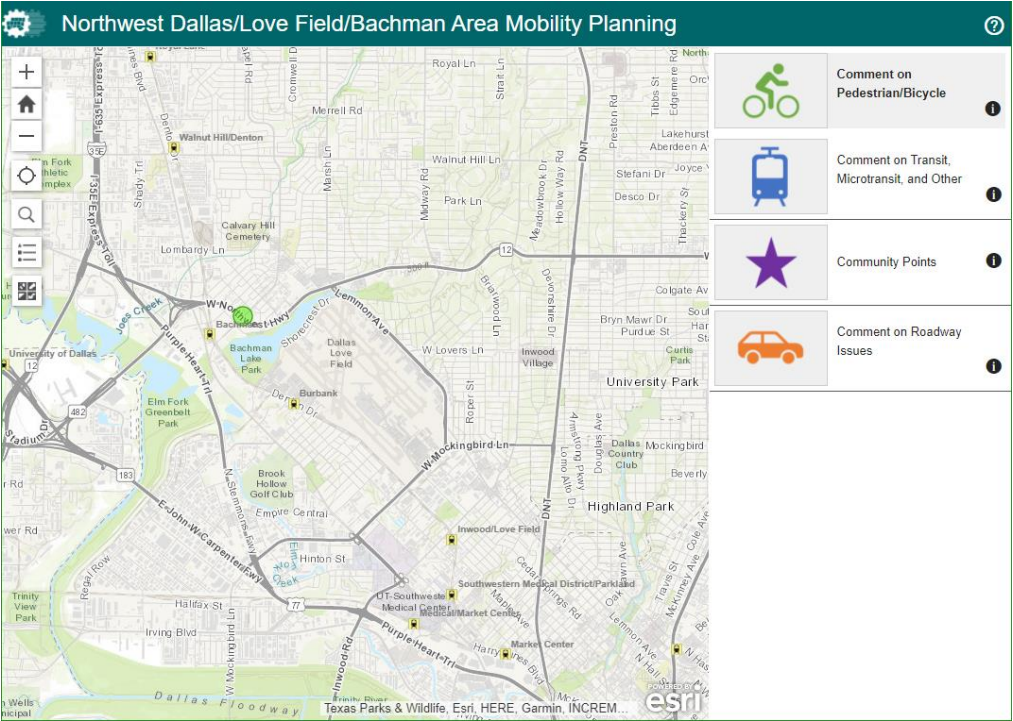
Idea #5

NCTCOG.org/BachmanArea



Interactive Map Summary

Mapping Opportunity Background



Comments on specific locations

Online interactive mapping open from March 25 – June 14, www.nctcog.org/BachmanArea

Paper map forms available at Grauwyler Park Branch and Bachman Lake Branch Libraries (April 6 – June 14)

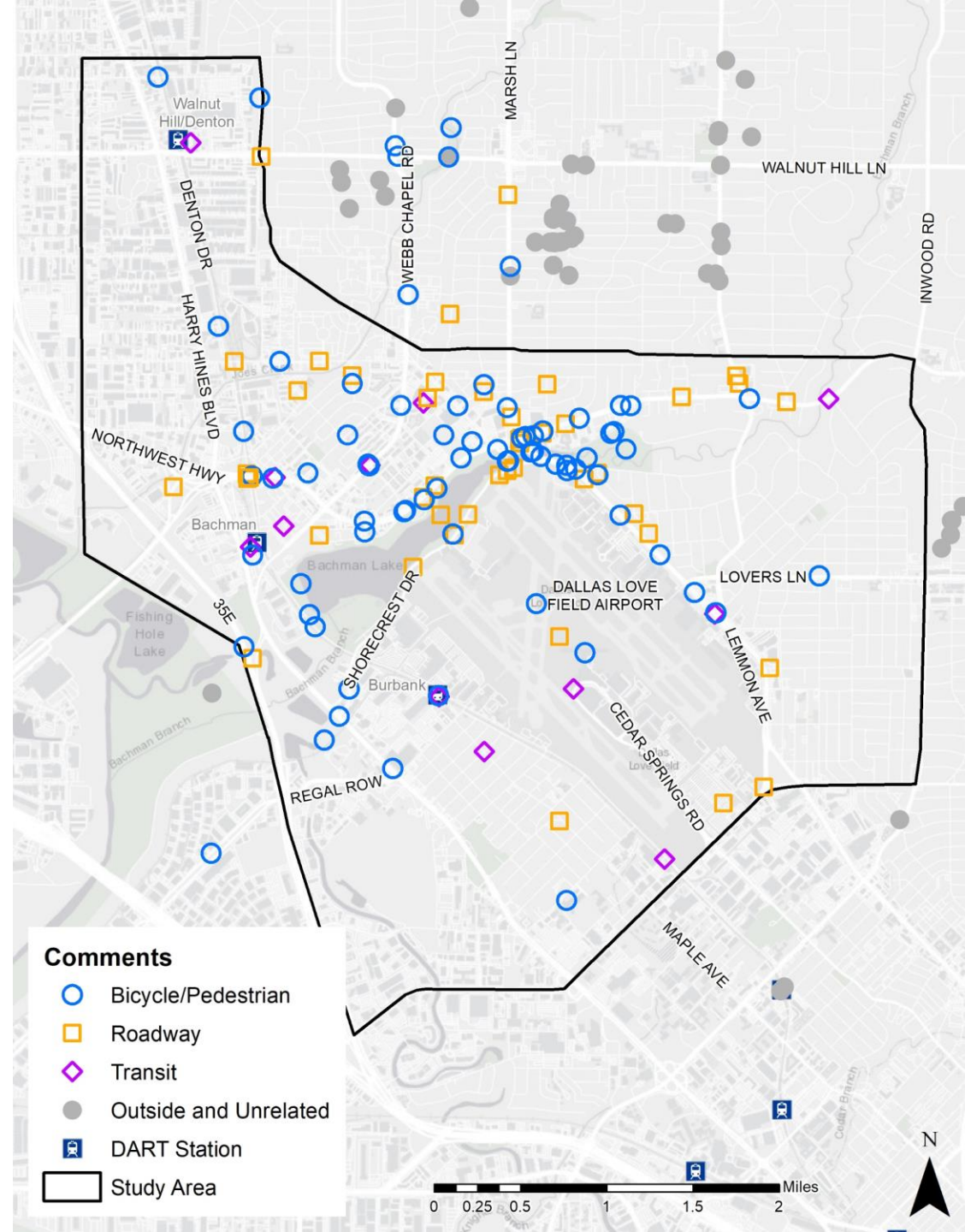
Mapped Comments Summary

- 262 comments on transportation received through online map
- 207 supporting votes on various points
- Some comments were outside or unrelated to the study area

~30% of comments addressed missing or poor **bicycle/pedestrian facilities**

~29% of comments addressed **safety** concerns such as high vehicular speeds and lack of crosswalks

Other concerns include congestion, poor road condition, and storm water management



Northwest Highway: Lemmon Ave to Inwood Rd

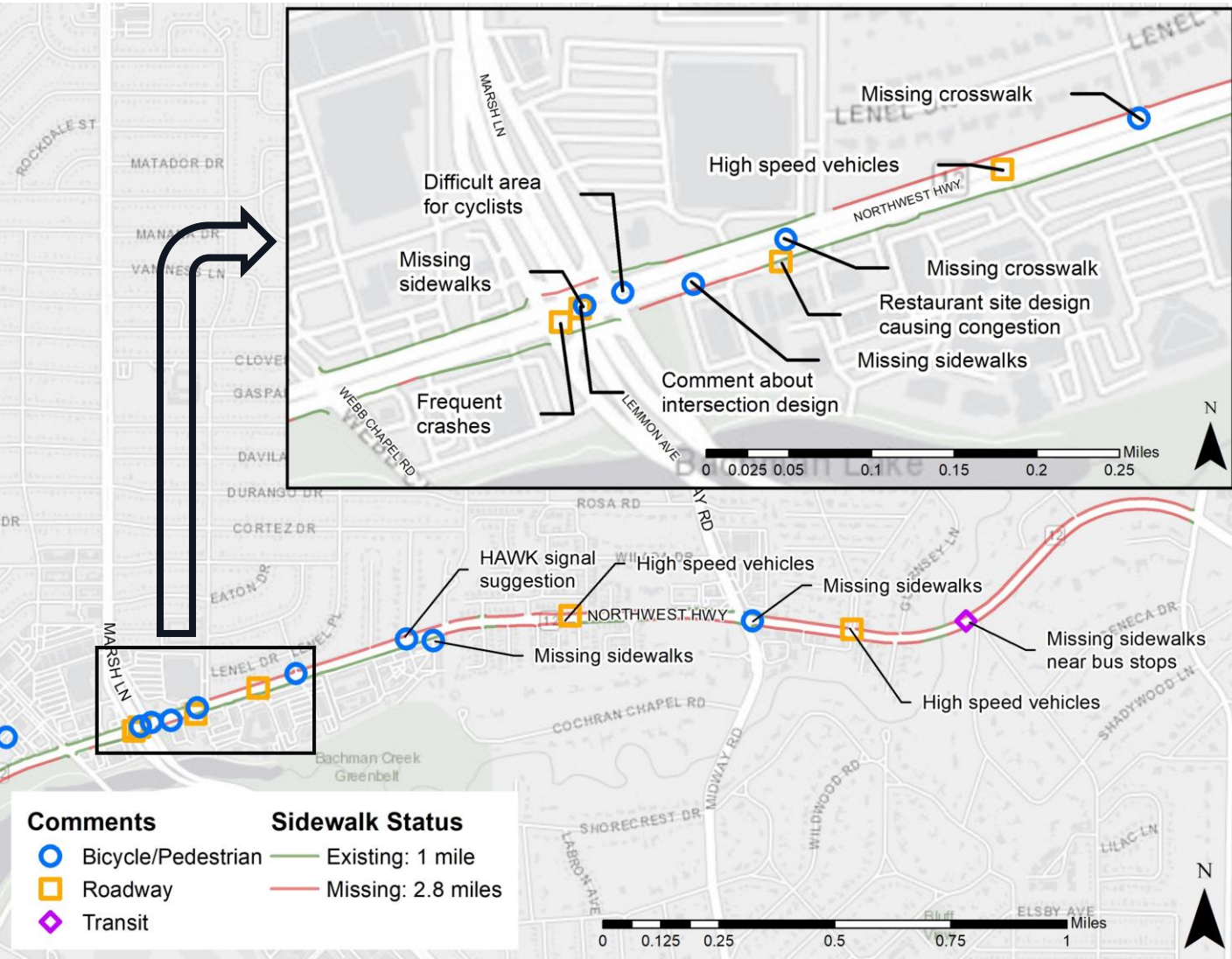
21 comments – 24 votes

Better **bicycle and pedestrian facilities** are needed

- Sidewalks/trails (9 comments; 10 votes)

Safety improvements are needed

- Crossings (5 comments; 6 votes)
- Traffic calming for high-speed vehicles (4 comments; 3 votes)



Northwest Highway: Harry Hines Blvd to Lemmon Ave

25 comments – 27 votes

Better **bicycle and pedestrian facilities** are needed

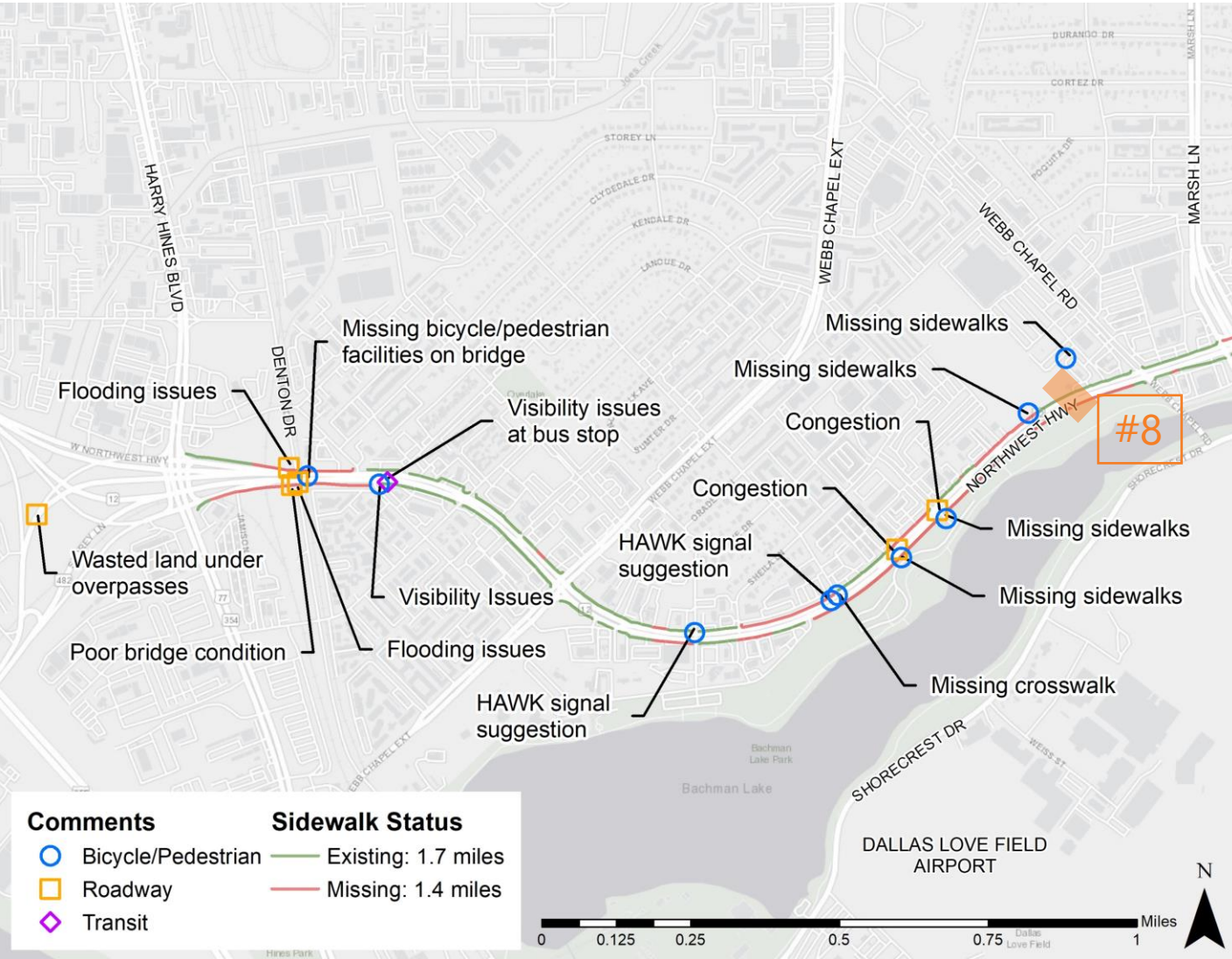
- Sidewalks/trails (7 comments; 8 votes)

Safety improvements are needed

- Crossings (6 comments; 9 votes)
- Traffic calming for visibility issues (3 comments; 2 votes)

Storm water management improvements needed (6 comments; 4 votes)

Congestion management improvements needed (2 comments; 2 votes)



NE of Airport Intersections

39 comments – 58 votes

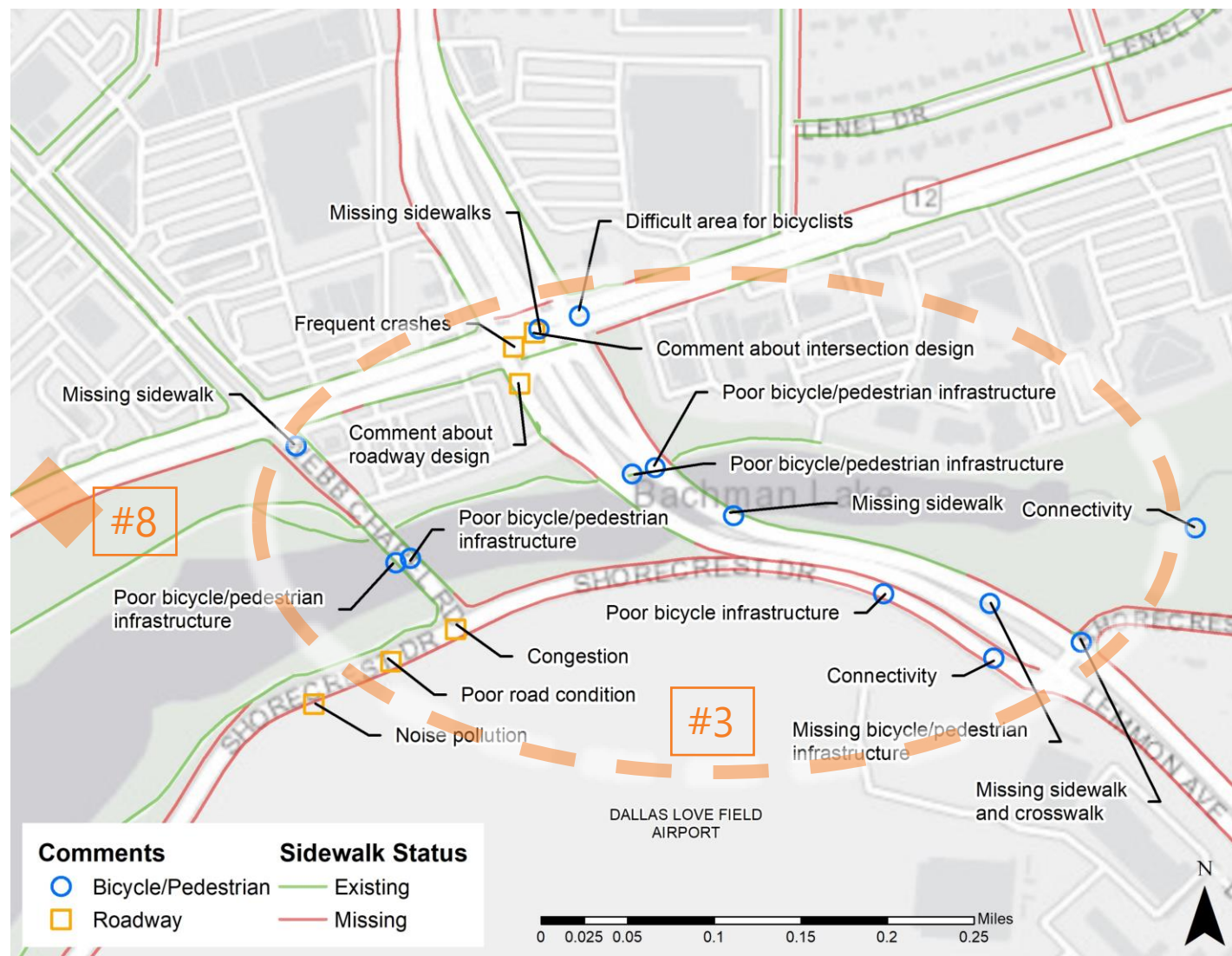
Better **bicycle and pedestrian facilities** are needed

- Missing facilities (10 comments; 24 votes)
- Poor facility condition (16 comments; 24 votes)
- Webb Chapel bridge needs improvement, narrow sidewalk (14 comments; 15 votes)

Safety improvements are needed

- Poor connectivity/crossings on Lemmon Ave (5 comments; 8 votes)

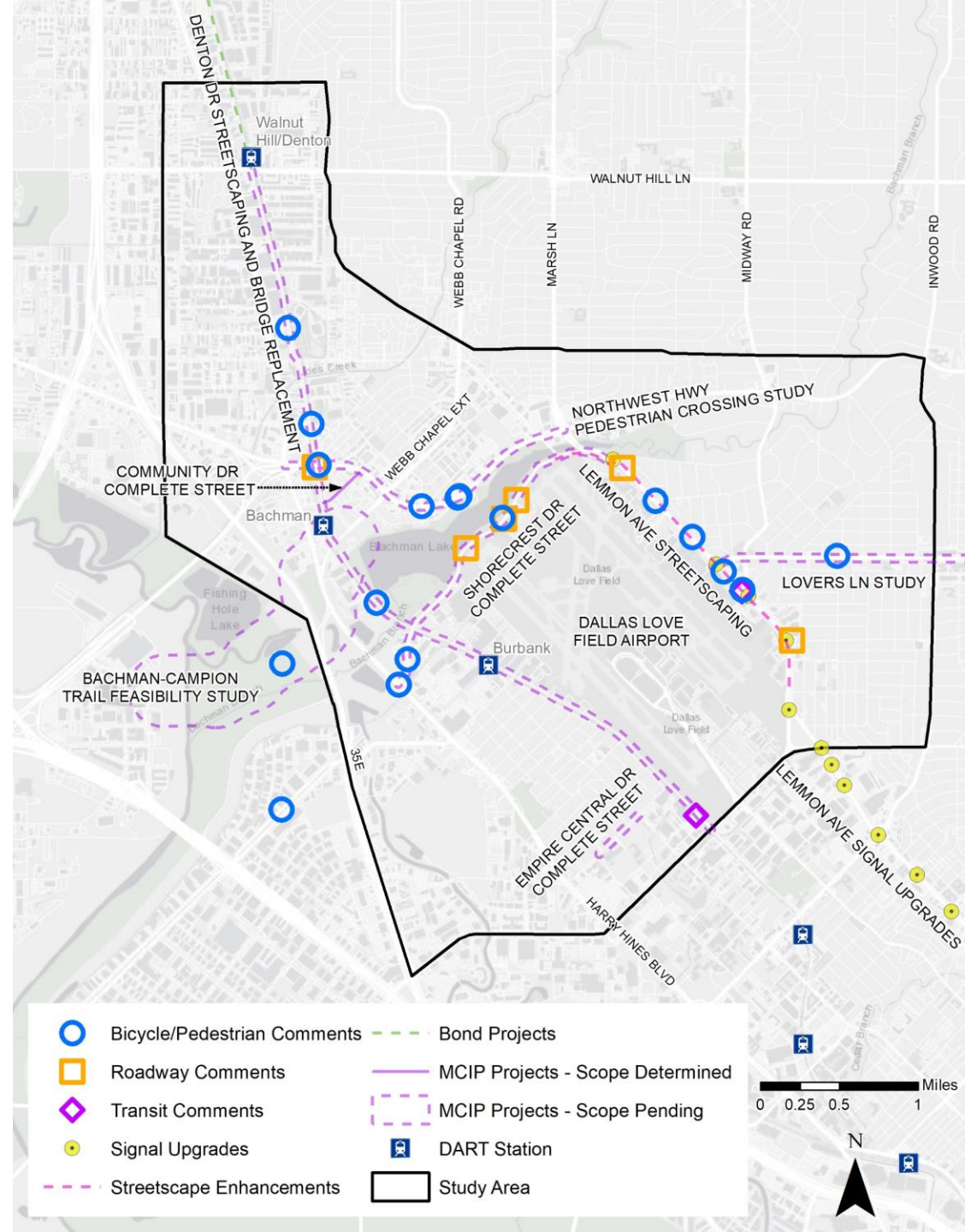
This area serves as a bottleneck for vehicular traffic and barrier for bicyclists/pedestrians



Project Coordination

- There were several comments regarding corridors/areas that already have improvements funded/under design
- Comments of projects in progress to be reviewed in coordination with City of Dallas (#1), Dallas County, TxDOT (#2), and DART(#10) staff

(MCIP = Major Capital Improvement Project, Dallas County partnering with City of Dallas on funding)

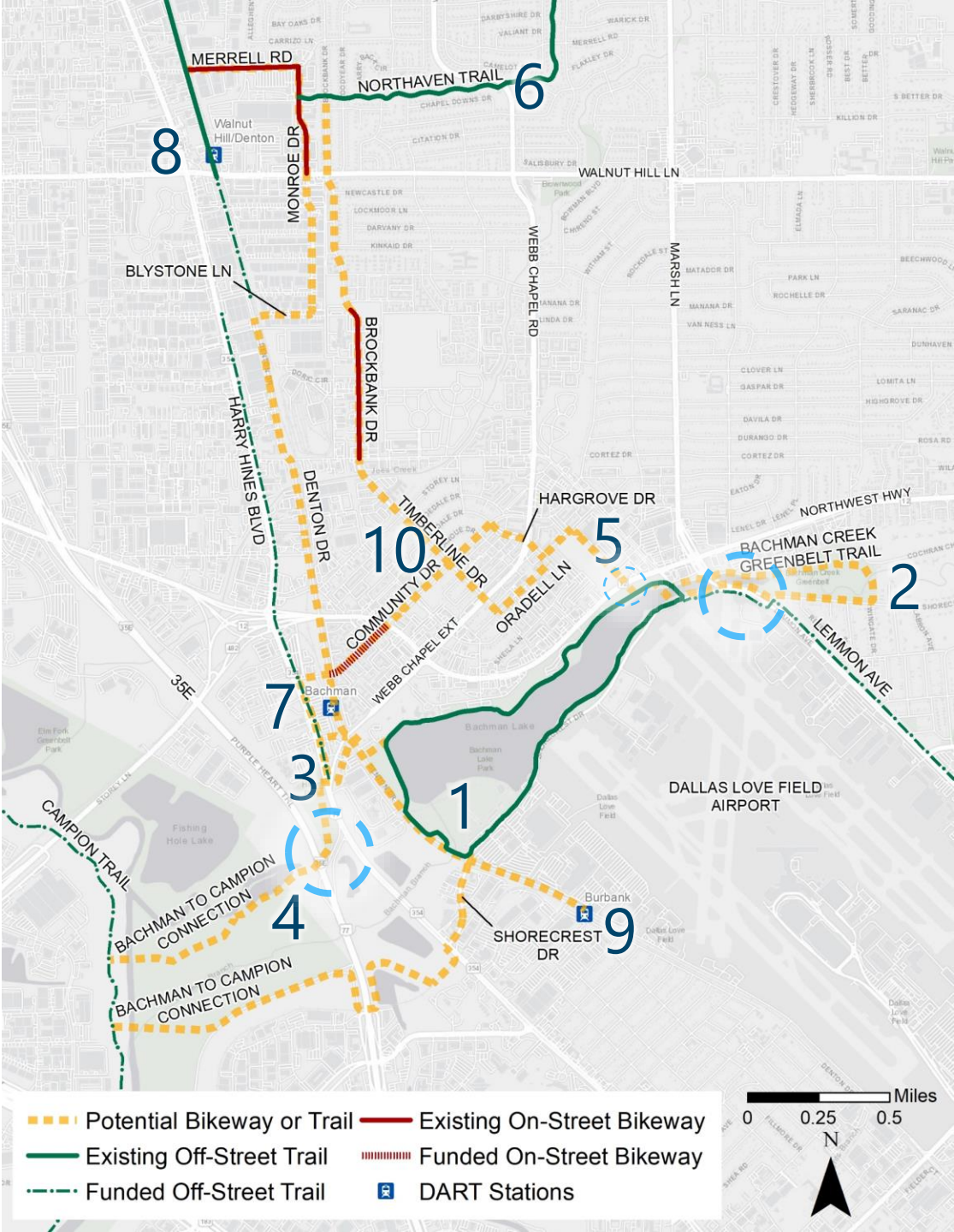


Potential Bicycle/Pedestrian Facilities to Consider

Connections:

1. Bachman Lake Park
2. Bachman Creek Greenbelt
3. Hines Park
4. Elm Fork Trinity Area and Campion Trail
5. North Neighborhood Pocket Park (future location)
6. Northaven Trail
7. Bachman Station
8. Walnut Hill/Denton Station
9. Burbank Station
10. Overlake Park*

* Not mentioned through interactive map but included due to central location in Bachman neighborhood



Summary of Comments

New sidewalks and trails are needed for **bicyclist and pedestrians** along with upgrades to existing facilities to improve **safety** and accessibility.

Major street crossings are needed to enhance **safety** and connect areas (crosswalks, signals, etc.).

Traffic speed and visibility are issues to address to improve **safety**.

Traffic congestion management at peak times at specific locations could be improved.

		Location		
		Bachman Neighborhood	Northwest Highway	NE of Airport
Theme	Bicycle/pedestrian facilities issues	11	16	26
	Bicycle/pedestrian crossings/connectivity issues	11	11	5
	Traffic issues	3	4	4
	Other	Poor local road conditions	Storm water management issues	Webb Chapel bridge

Total comment counts in this table are not mutually exclusive for overlapping locations

Map Comments Next Steps

Full report will be posted online at
www.NCTCOG.org/BachmanArea

Staff will coordinate with City of Dallas, TxDOT, and DART on comments

Comments will inform improvement recommendations along with transportation data

#7 - Trails and Parks/Recreation Opportunities Access

Additional greenspace on the corridor has led to innovative project ideas and brainstorming.

Is there community interest in creating recreational island or feature in Bachman Lake that could include:

- Walking paths
- Picnic areas
- Boat launches, viewing areas, etc.

Please provide feedback by comment form linked later in this presentation.



Bachman
Recreation
Center

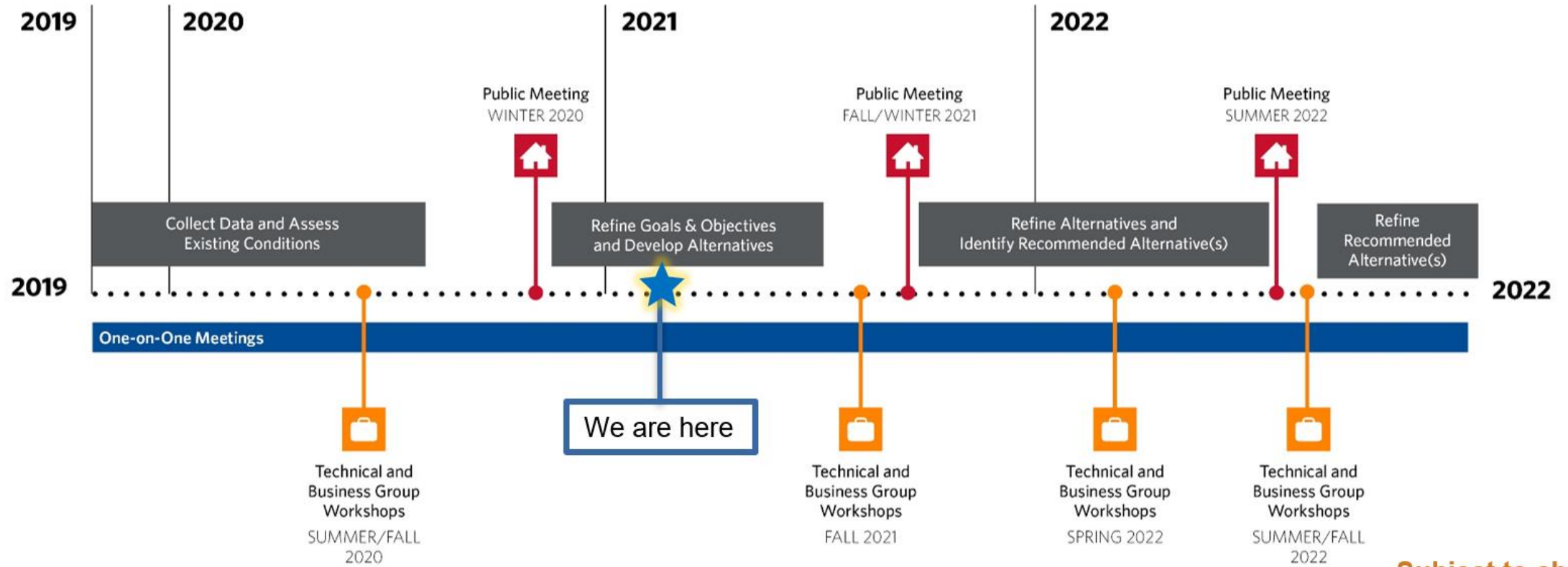
3.2 Acres

300'

650'



TxDOT Northwest Highway Study (east of Inwood)



Subject to change

**NORTHWEST
HIGHWAY
FEASIBILITY STUDY**



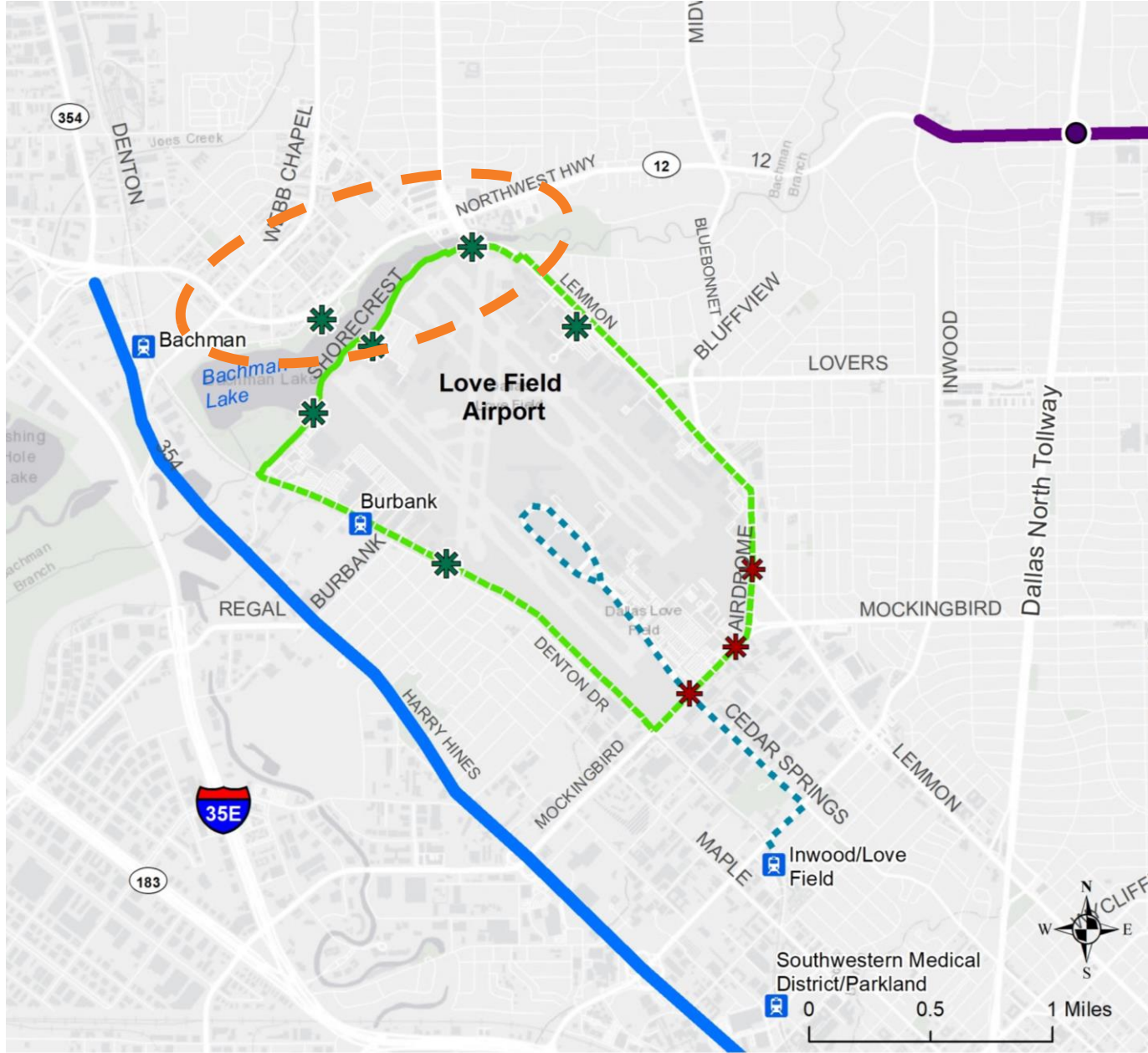
Roadway Related Enhancements








Pedestrian Amenities on Northwest Highway (Idea #8)

Team TxDOT (Idea # 2)

Love Field Access (Idea #3)

Ongoing Area Transportation Studies



-  Love Field Modeled Entries
-  Love Field Spot Improvement Analysis
-  TxDOT Northwest Highway Study <http://www.keepitmovingdallas.com/northwesthighway>
-  NCTCOG Harry Hines Transportation Master Plan
-  Love Field Loop Trail/ Lemmon Ave
-  DART Automated Bus Pilot to Inwood/Love Field Station
-  **NW Hwy Context Sensitive Focus Area**

Harry Hines Boulevard Transportation Master Plan

Progress Update

Goal: Develop a Transportation Master Plan based on a context sensitive approach with modern engineering concepts to provide multimodal transportation options and support anticipated land uses.

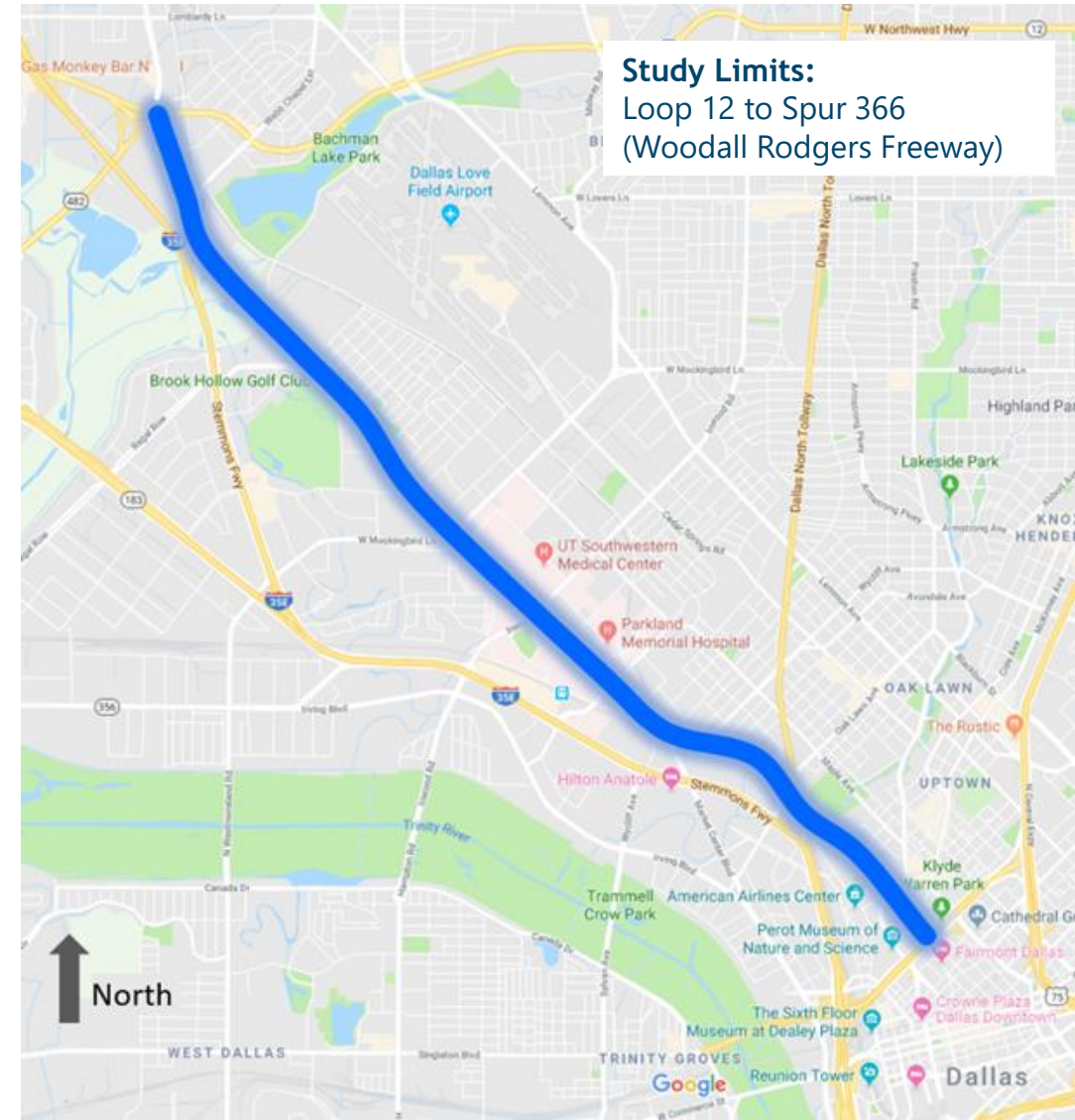
Major Tasks:

- Existing Conditions Analysis (including transit/shared ride/ bicycle/pedestrian accommodations, safety, land uses, traffic congestion, previous and related studies)
- Alternative Development (including conceptual intersection designs at Loop 12, Webb Chapel Extension, Mockingbird Lane, Market Center)
- Conceptual Roadway Design and Operations
- Urban Design
- Upcoming Meetings and Public Involvement (Fall 2021)

Major Deliverables: Final report, conceptual (5%) design, draft access management plan, construction cost estimates

Schedule: August 2020 to December 2021 (18 months)

The study efforts are being coordinated with the City of Dallas, DART, TxDOT, NTTA, Dallas County, and Texas Trees Foundation.



Idea #2, #8

Loop 12 Northwest Highway

"Land Bridge" Proposal: Bachman Lake Park – North Neighborhood Park Connection

DRAFT

Similar project examples:

- San Antonio, TX
Phil Hardberger Park
- San Francisco, CA
US 101 Presidio Parkway
- Saint Louis, MO
Gateway Arch ("Park Over the Highway")
- Houston, TX
Memorial Park ("Land Bridge and Prairie" Project)




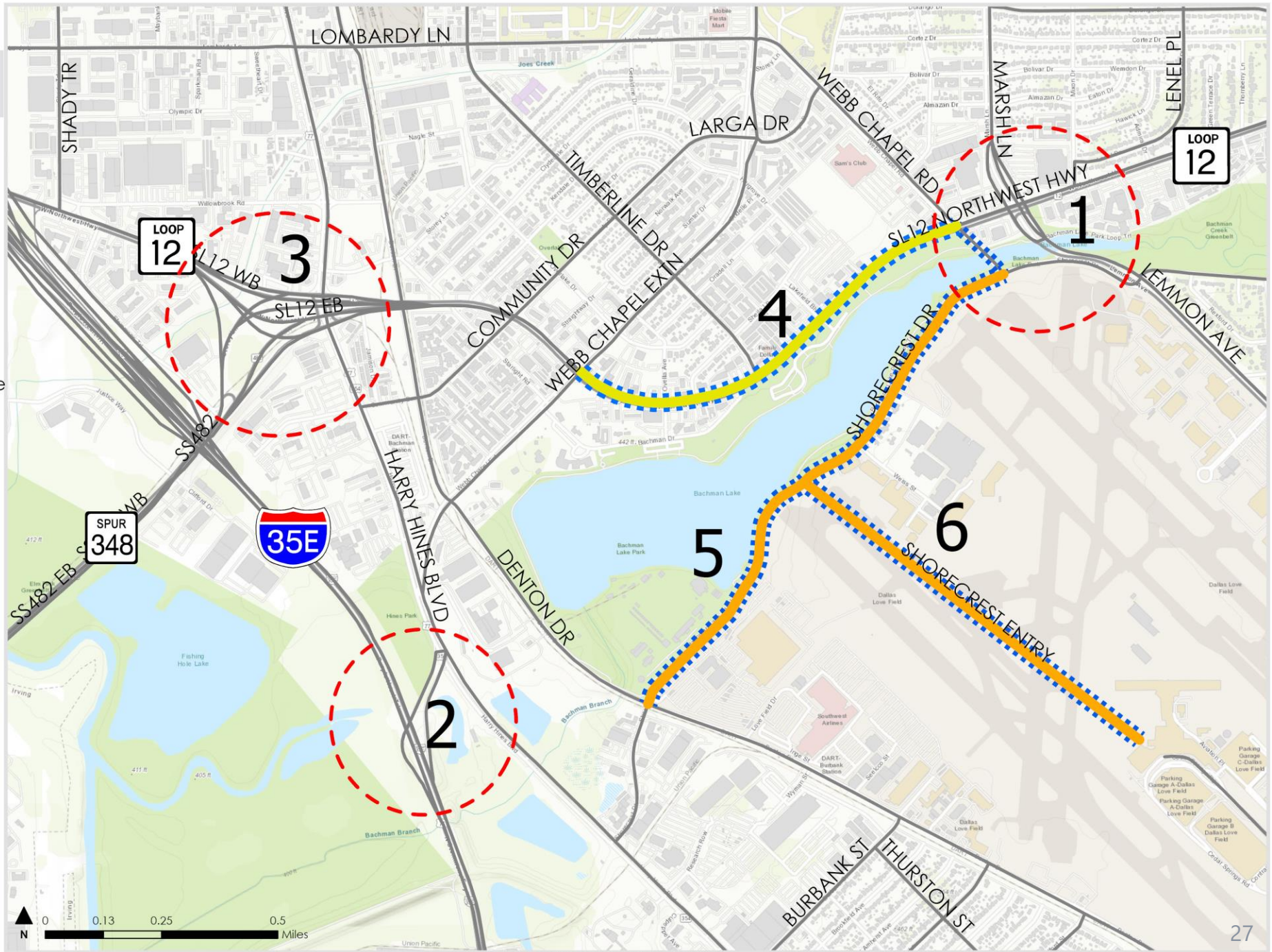
LOVE FIELD SHORECREST ENTRY

Potential Roadway Improvements
DRAFT DOCUMENT (August 2021)

Potential roadway improvements around the Love Field Airport based on Mobility 2045 Metropolitan Transportation Plan roadway network.

Legend

-  Shorecrest Entry
-  Northwest Hwy Lane Reduction
-  2045 Roadway Network
-  Potential Interchange Improvements
-  Potential Roadway Improvements

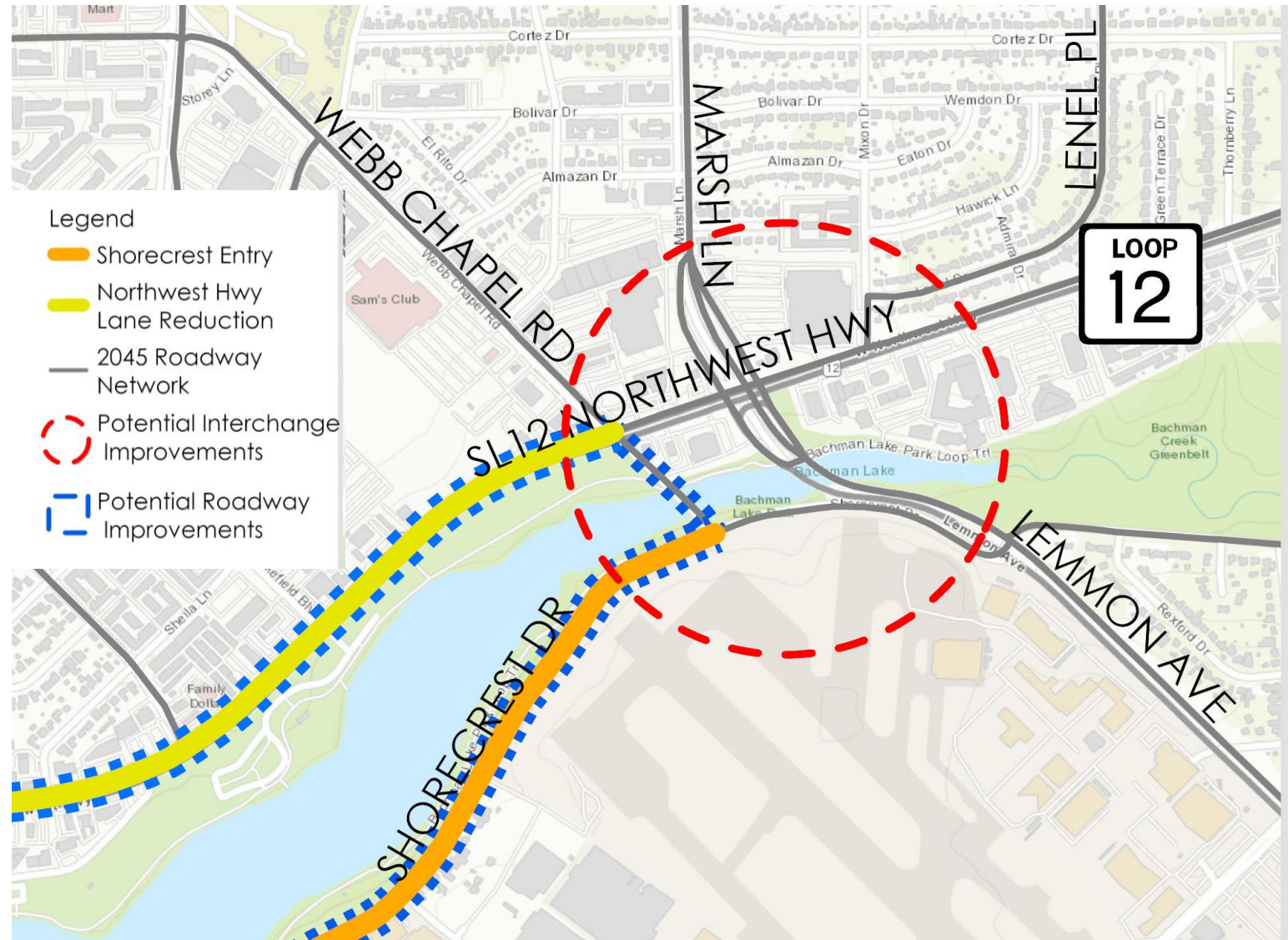


NE Airport Corner Interchange Reconstruction

GOAL: How to reduce bottlenecks at closely-spaced intersections AND add Love Field access via Shorecrest?

Possible design options (some concepts could be combined):

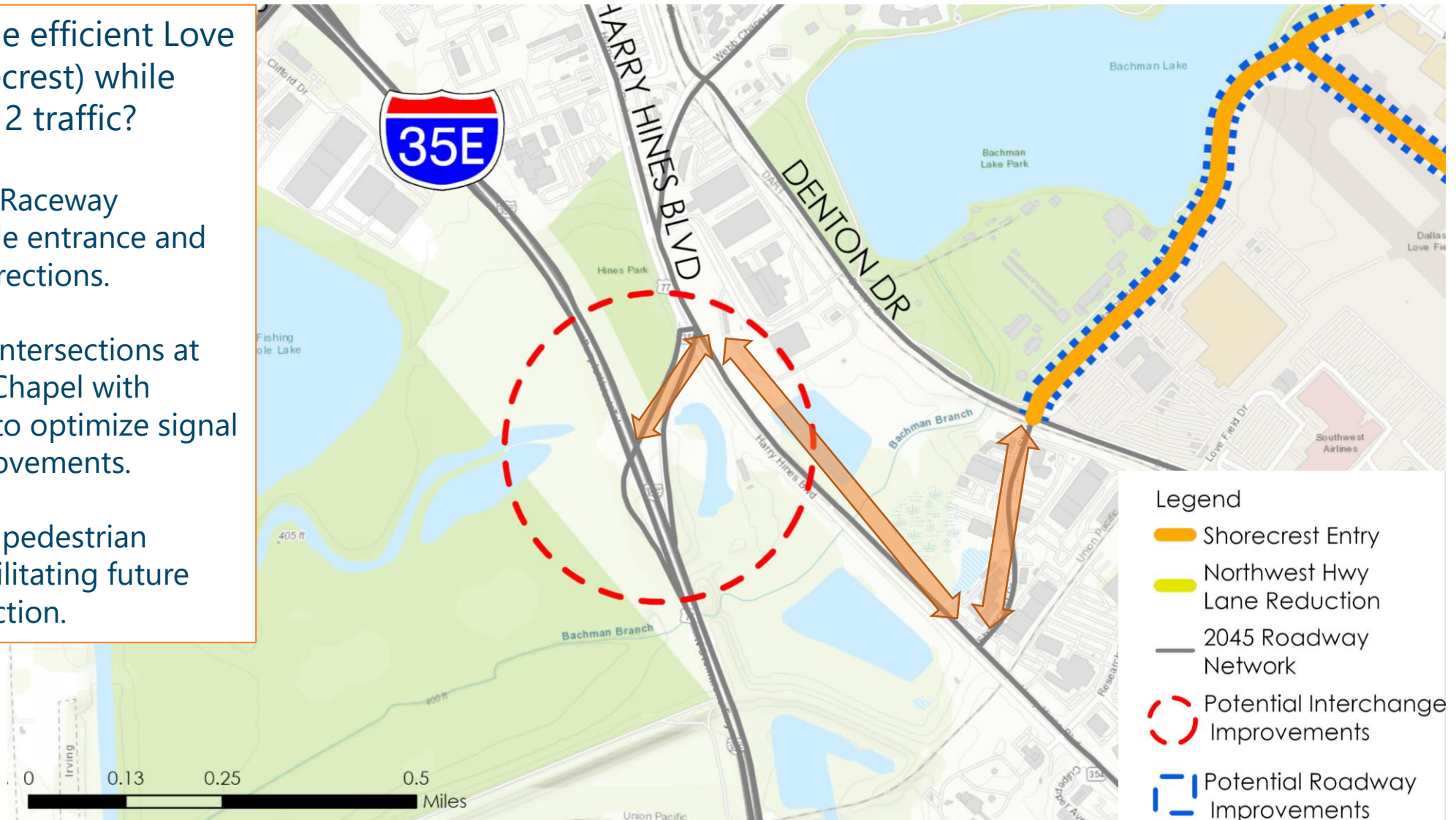
- A. Rebuild Webb Chapel bridge with enhanced capacity and connectivity.
- B. Rebuild the Marsh/Lemmon bridge and Loop 12 interchange with enhanced capacity and connectivity.
- C. Revise Marsh/Lemmon ramps to/ from Loop 12 with relocated Lemmon/Shorecrest signalized intersection.
- D. Connect Shorecrest to Loop 12 with Marsh / Lemmon grade separation and ramp configurations to avoid added signalized intersections.
- E. Add Love Field Loop Trail to travel under Lemmon and Webb Chapel bridges.



IH 35E / Raceway Interchange and Harry Hines Intersections

GOAL: How to provide efficient Love Field access (via Shorecrest) while ALSO reducing Loop 12 traffic?

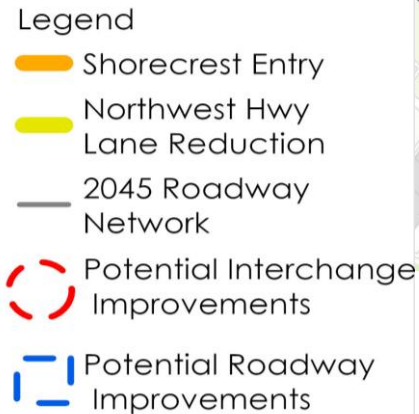
- A. Reconstruct IH 35E / Raceway interchange to include entrance and exit ramps in both directions.
- B. Realign Harry Hines intersections at Raceway and Webb Chapel with improved geometry to optimize signal timing for turning movements.
- C. Incorporate bicycle / pedestrian accommodations facilitating future Campion Trail connection.



Loop 12 / Spur 482 / Harry Hines Interchange Reconstruction

GOAL: How to simplify roadway connectivity, add developable land access, address flooding vulnerabilities, AND reduce Loop 12 traffic at Bachman Lake?

- A. Reconstruct Loop 12 / Spur 482 / Harry Hines interchange with streamlined design and less surface area.
- B. Reduce access controls to benefit connectivity and circulation for adjacent developable land.



Idea #3

LOVE FIELD ALTERNATE ENTRY

Alternatives Evaluation Entries
DRAFT DOCUMENT (July 2021)

2045 Roadway Network

Legend

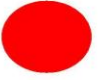
- Modeled Entries
- 2045 Roadway Network

Alternatives Evaluation

1. Northwest Highway - Central Airfield
2. Shorecrest Drive - Central Airfield
3. Shorecrest Drive - West of Runway 13r-31L
4. Lemmon Avenue/Shorecrest Drive
5. Lemmon Avenue/George Coker Circle Tunnel
6. Denton Drive
7. U-Turn at Airdrome
8. Mockingbird Lane/Waddel Avenue
9. Conventional Urban Diamond Interchange
10. Diverging Diamond Interchange
11. Direct Ramp Interchange



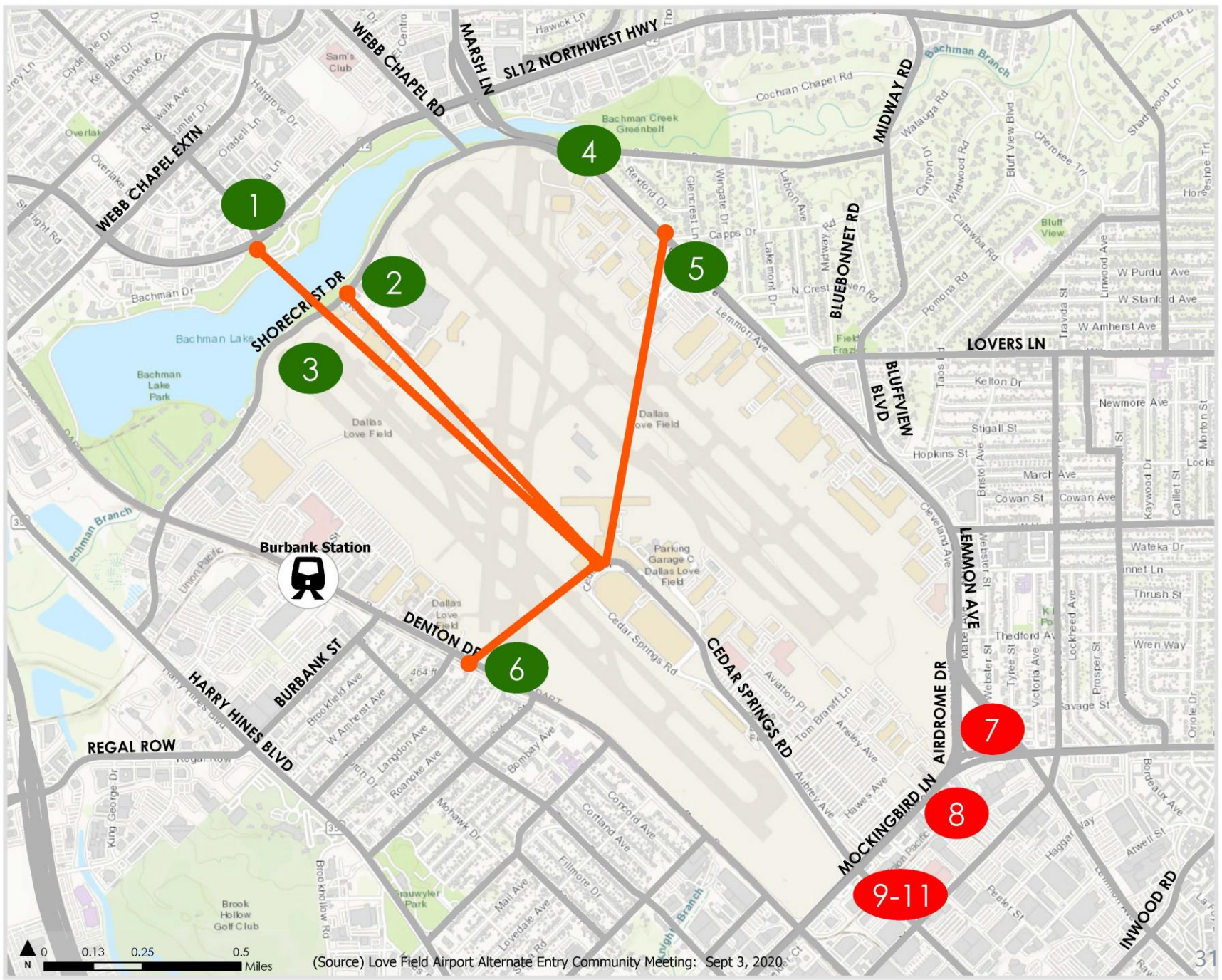
Tunnels



Spot Improvements



North Central Texas Council of Governments



(Source) Love Field Airport Alternate Entry Community Meeting: Sept 3, 2020.

Teach Foris & Wildlife, Inc. HERE, Garmin, INCREMENT P, USGS, METROAREA, EPA, USGS

Shorecrest Drive Analysis Progression

- Modeled multiple potential alternate entries
- Eliminated proposed entries connecting to Northwest Hwy, Lemmon Ave, and Denton Dr
- Ensured that modeling scenarios eliminated cut through traffic
- Analyzed Shorecrest Dr expansion to 4 lanes
- Analyzed new interchanges at Stemmons/Harry Hines and Shorecrest/Lemmon/Webb Chapel
- Analyzed interchange improvement at Northwest Hwy, Harry Hines Blvd, and Storey Ln, reduced Northwest Hwy to 4 lanes

LOVE FIELD SHORECREST ENTRY

Shorecrest 2 Lane Volume Difference

DRAFT DOCUMENT (July 2021)

Shorecrest is one lane in each direction. Volume Difference below 400 trips not shown.

Legend

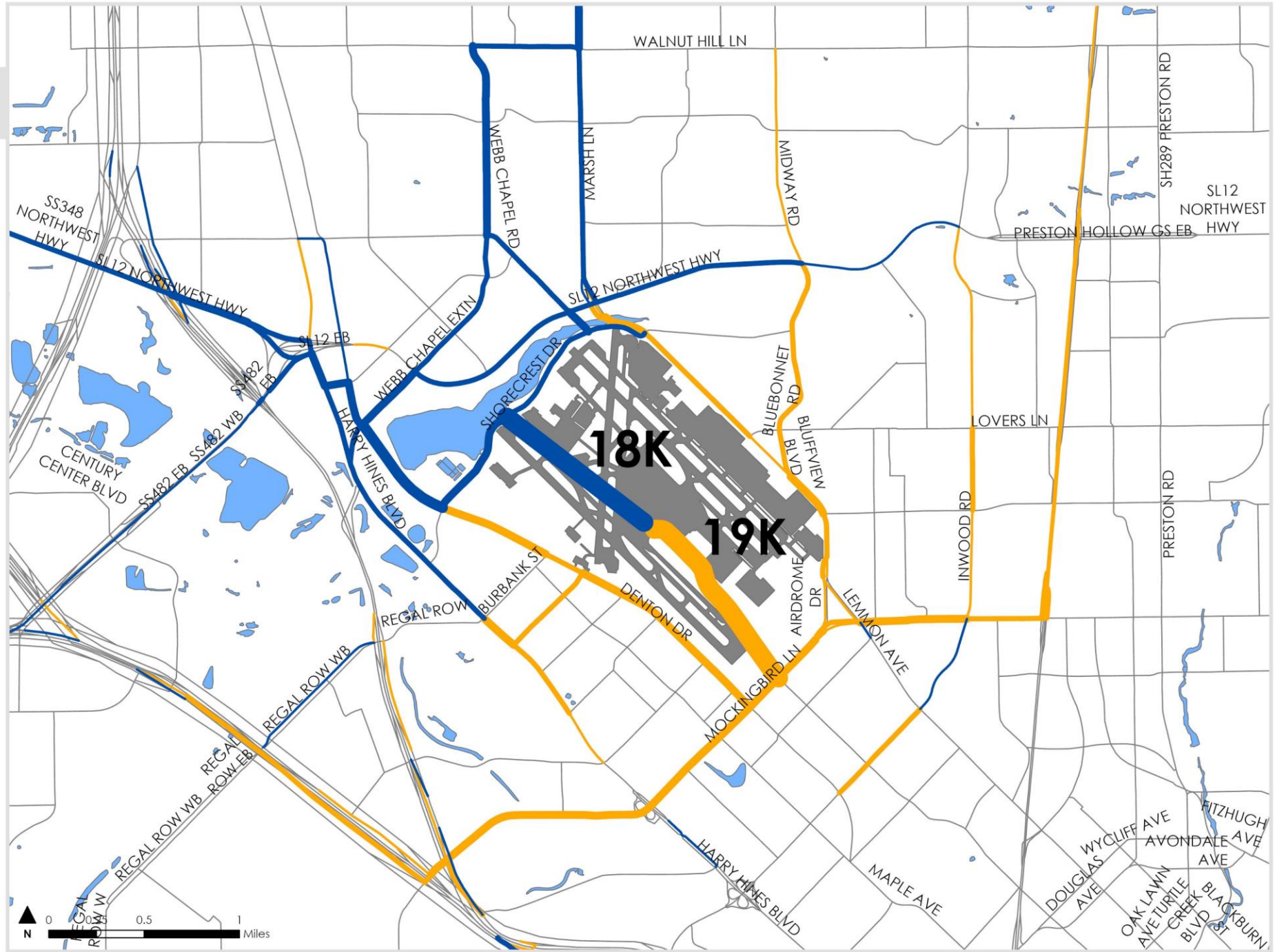
Daily Volume Increase

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-19,000

Daily Volume Decrease

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-19,000

— Roadway Network



LOVE FIELD SHORECREST ENTRY

Shorecrest 4 Lane Entry Volume Difference

DRAFT DOCUMENT (July 2021)

Shorecrest coded as 2 lanes in each direction between Lemmon Ave and Denton Drive. Volume Difference below 400 trips not shown.

Legend

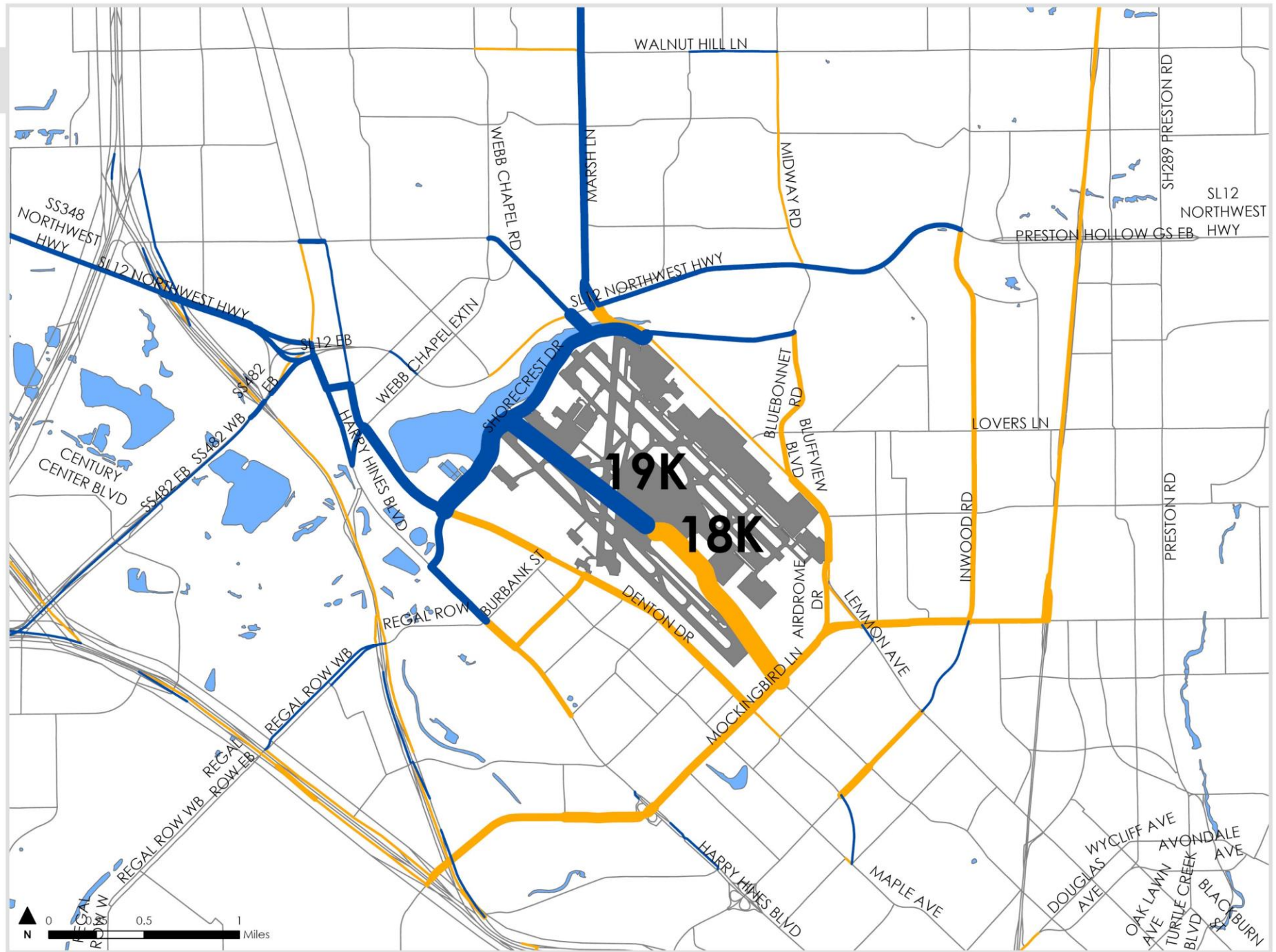
Daily Volume Increase

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000- 12,000
- 12,000-19,000

Daily Volume Decrease

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-19,000

— Roadway Network



LOVE FIELD SHORECREST ENTRY

Shorecrest 4 Lane Enhanced Entry Volume Difference
DRAFT DOCUMENT (July 2021)

Shorecrest coded as 2 lanes in each direction between Lemmon Ave and Denton Drive. Volume Difference below 400 trips not shown.

Legend

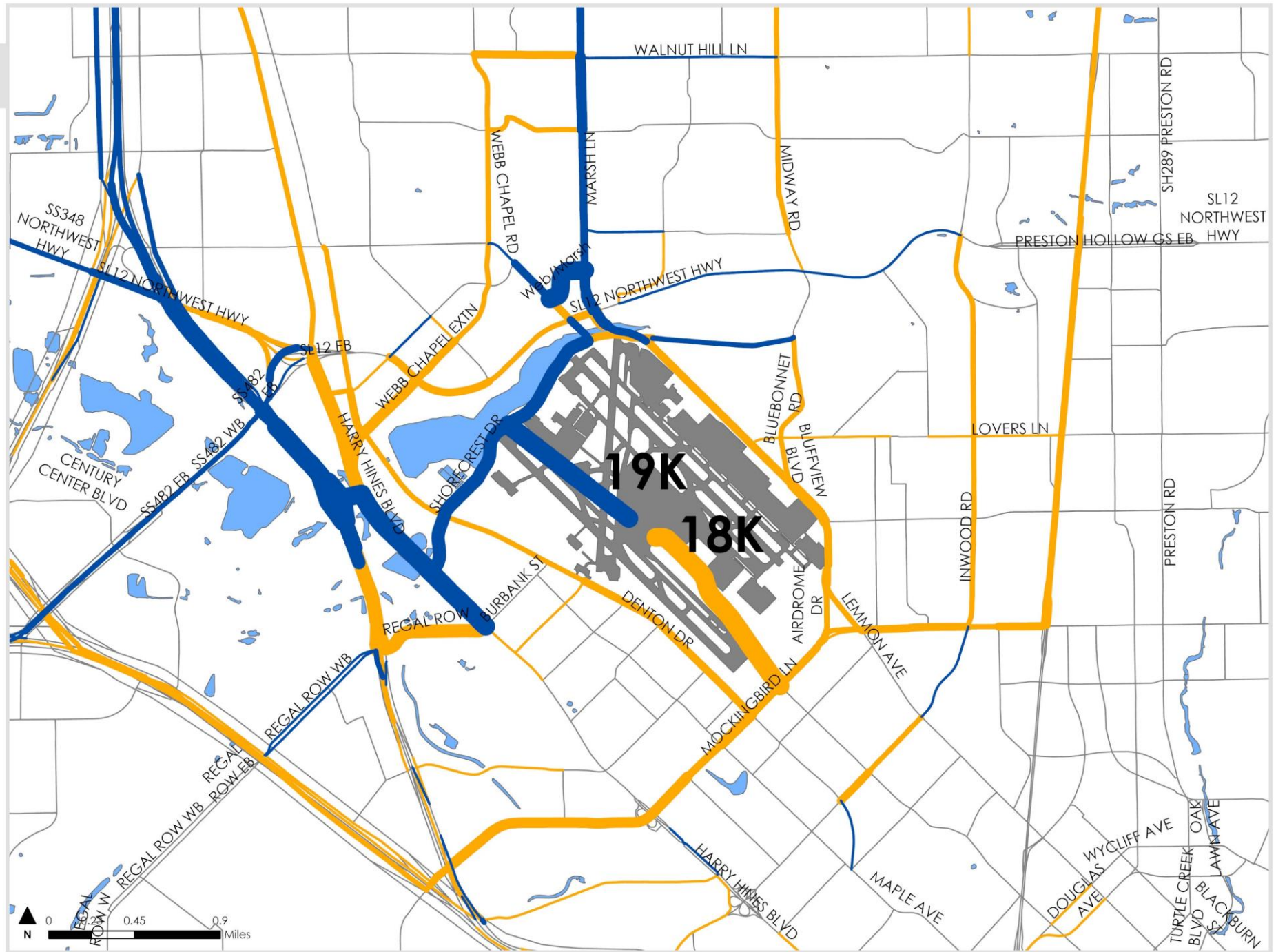
Daily Volume Increase

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-50,000

Daily Volume Decrease

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-19,000

— Roadway Network



LOVE FIELD SHORECREST ENTRY

Shorecrest New Interchange Entry Volume Difference DRAFT DOCUMENT (July 2021)

Shorecrest coded as 2 lanes in each direction between Lemmon Ave and Denton Drive. Volume Difference below 400 trips not shown.

Legend

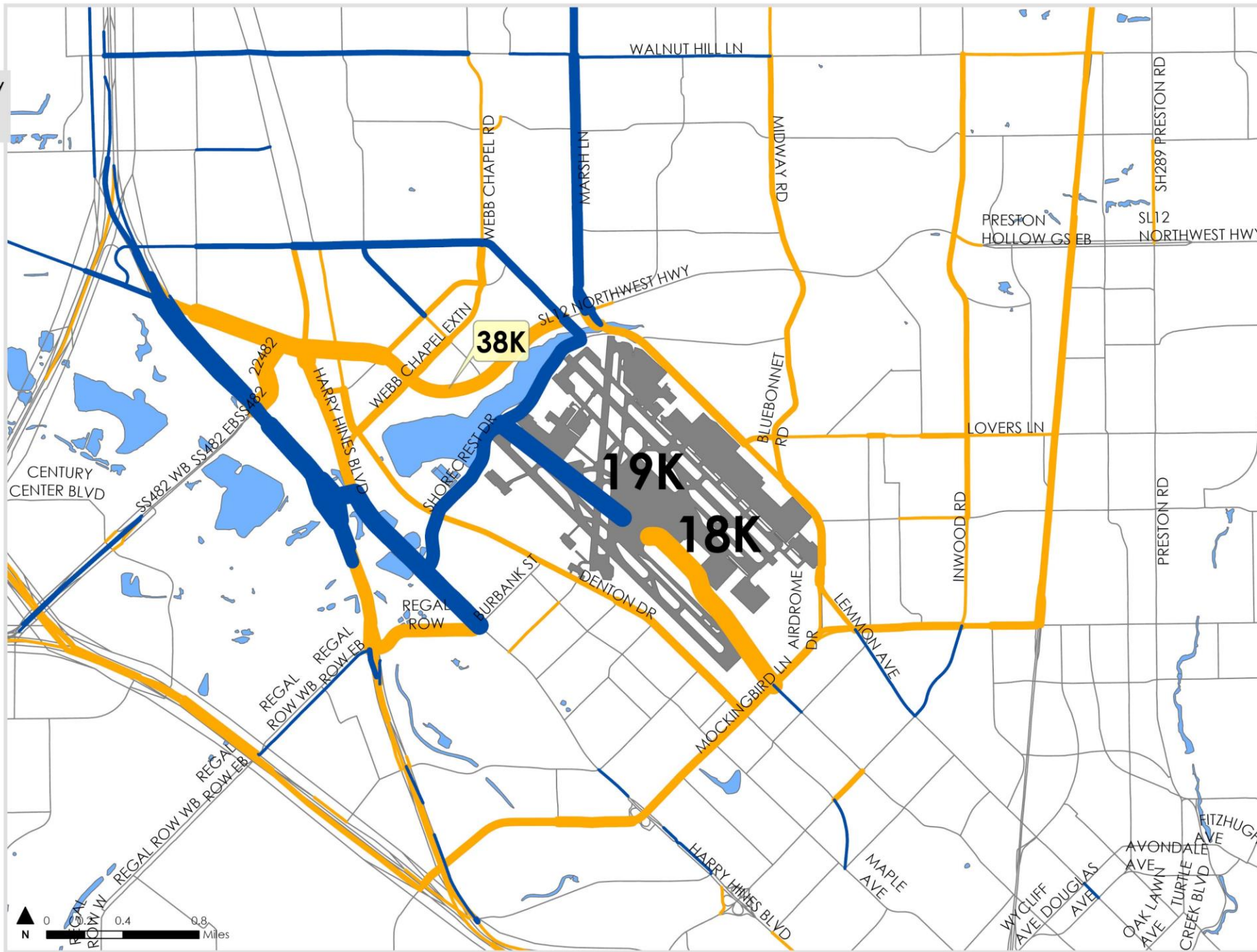
Daily Volume Increase

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-8,000
- 8,000-12,000
- 12,000-55,000

Daily Volume Decrease

- 400-800
- 800-2,000
- 2,000-4,000
- 4,000-4,000
- 4,000-12,000
- 12,000-19,000

— Roadway Network



Scenario Findings

- Airport entry via Shorecrest Dr attracts 18k-19k daily trips
- Widening Shorecrest Dr to 4 lanes provides additional capacity parallel and adjacent to Northwest Hwy
- Modified IH 35E interchange at Raceway/Harry Hines reduces congestion on Northwest Hwy, Webb Chapel, and sections of Harry Hines
- Interchange improvement at Northwest Hwy, Harry Hines, and Spur 482 (Storey Ln), along with Northwest Hwy lane reduction, provides significant congestion relief area-wide

Public Comments

Please comment on the ideas presented today using the link below:

Comment form link: <https://forms.office.com/r/W58R5Nrg63>

The comment form link can also be found at www.NCTCOG.org/BachmanArea

Comments are due **8/31/2021**

Next Steps

August 2021

8/5/21 virtual public meeting

Comments on today's presentation due 8/31/21

Fall 2021

Draft improvement recommendations refined, shared with public.

Fall 2021

NCTCOG, City of Dallas, TxDOT, and other local government staff coordination on improvement recommendations

End of 2021

Final improvement recommendations

Discussion

Comments or questions on
information presented today?

www.NCTCOG.org/BachmanArea



Image Provided By Gibran Lule-Hurtado

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www.nctcog.org/BachmanArea



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