



City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Meeting Agenda Mobility Committee

Wednesday, October 22, 2025

10:00 AM

Council Work Session Room

After determining that a quorum is present, the Mobility Committee of the City of Denton, Texas will convene in a Regular Meeting on October 22, 2025 at 10:00 a.m. in the Council Work Session Room at City Hall, 215 E. McKinney Street, Denton, Texas at which the following items will be considered:

1. CITIZEN COMMENTS ON AGENDA ITEMS

This section of the agenda allows citizens to speak on any individual consideration item on the agenda. Individuals are only able to comment one time per agenda item. Each speaker will be given a total of three (3) minutes per agenda item. A Request to Speak Card must be completed and returned to the Staff Liaison before the Committee considers the item.

2. ITEMS FOR INDIVIDUAL CONSIDERATION

- A. [MC25-049](#) Consider approval of the minutes of September 24, 2025.

Attachments: [Exhibit 1 - Minutes](#)

- B. [MC25-050](#) Receive a report and hold a discussion regarding the City of Denton Transportation/Mobility Project Status Report.

[Estimated Presentation Time: 35 minutes]

Attachments: [Exhibit 1 - Agenda Information Sheet](#)
[Exhibit 2 - City of Denton Transportation/Mobility Project Status Report](#)

- C. [MC25-051](#) Receive a report and hold a discussion regarding the Mobility Plan Bootcamp - Part 2 to introduce and share the information on different elements of the Mobility Plan.

[Estimated Presentation Time: 35 minutes]

Attachments: [Exhibit 1 - Agenda Information Sheet](#)
[Exhibit 2 - Presentation](#)

- D. [MC25-052](#) Staff Memorandum
Evers Street Parking Follow-Up
Bike Funds Project Criteria
Sidewalk Heat Intensity
TIRZ Public/Private Partnerships

Attachments: [Exhibit 1 - Staff Memorandum](#)
[Exhibit 2 - Sidewalk Heat Intensity](#)

- E. [MC25-053](#) Receive a report, hold a discussion, and give staff direction regarding future meeting topics.

Attachments: [Exhibit 1 - Agenda Information Sheet](#)
[Exhibit 2 - Future Items Matrix](#)

3. CONCLUDING ITEMS

A. Under Section 551.042 of the Texas Open Meetings Act, respond to inquiries from the Mobility Committee or the public with specific factual information or recitation of policy, or accept a proposal to place the matter on the agenda for an upcoming meeting AND Under Section 551.0415 of the Texas Open Meetings Act, provide reports about items of community interest regarding which no action will be taken, to include: expressions of thanks, congratulations, or condolence; information regarding holiday schedules; an honorary or salutary recognition of a public official, public employee, or other citizen; a reminder about an upcoming event organized or sponsored by the governing body; information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; or an announcement involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

CERTIFICATE

I certify that the above notice of meeting was posted on the official website (<https://tx-denton.civicplus.com/242/Public-Meetings-Agendas>) and bulletin board at City Hall, 215 E. McKinney Street, Denton, Texas, on October 16, 2025, in advance of the three (3) business day posting deadline, as applicable, and in accordance with Chapter 551 of the Texas Government Code.

OFFICE OF THE CITY SECRETARY

NOTE: THE CITY OF DENTON'S DESIGNATED PUBLIC MEETING FACILITIES ARE ACCESSIBLE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT. THE CITY WILL PROVIDE ACCOMMODATION, SUCH AS SIGN LANGUAGE INTERPRETERS FOR THE HEARING IMPAIRED, IF REQUESTED AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE OF THE SCHEDULED MEETING. PLEASE CALL THE CITY SECRETARY'S OFFICE AT 940-349-8309 OR USE TELECOMMUNICATIONS DEVICES FOR THE DEAF (TDD) BY CALLING 1-800-RELAY-TX SO THAT REASONABLE ACCOMMODATION CAN BE ARRANGED.



**City of Denton
MINUTES
MOBILITY COMMITTEE MEETING
OF THE DENTON CITY COUNCIL**

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

Wednesday, September 24, 2025

10:00 AM

City Council Chambers

After determining that a quorum was present, the Mobility Committee of the City of Denton, Texas convened in a Regular Meeting on Wednesday, September 24, 2025, at 10:00 AM in the City Council Work Session Room, 215 E. McKinney St., Denton, Texas.

Committee Members: Chair, Council Member Byrd, Vice-Chair, Council Member Beck, Council Member Holland, Lauren Penn, and Jane Zygiel participated in the meeting. Jane Zygiel left the meeting at 11:15 am.

REGULAR MEETING

1. Public Comment Section

No citizens requested to speak.

2. Individual Consideration

A. MC25-042 Consider approval of the minutes of August 27, 2025.

Council Member Holland motioned to approve the minutes as presented; seconded by Vice-Chair, Council Member Beck; motion carried.

Ayes: (5) Chair, Council Member Byrd, Vice-Chair, Council Member Beck, Council Member Holland, Lauren Penn and Jane Zygiel.

Nays: (0)

Absent: (0)

B. MC25-043 Receive a report and hold a discussion regarding the Mobility Plan Bootcamp to introduce the different elements of the Mobility Plan.

Dr. Farhan Butt, shared updates regarding Mobility Plan Bootcamp, and discussion followed. No direction was provided as the item was for informational purposes only.

C. MC25-044 Receive a report and hold a discussion regarding the Bollards Evaluation from comparable cities and share information on Public-Private Partnerships possibilities.

Dr. Farhan Butt, shared updates regarding the Bollards Evaluation, and discussion followed. No direction was provided as the item was for informational purposes only.

D. MC25-046 Staff Memorandum

1. Idle Construction Street Specifications
2. DCTA Fareboxes
3. Bus Stop Recommendations
4. Nette Schultz Intersection Follow-Up
5. Parkside Crosswalk
6. US 377 School Zoning and Student Route
7. Transportation Services Future Council Items

E. MC25-048 Receive a report, hold a discussion, and give staff direction regarding future meeting topics.

Vice-Chair, Council Member Beck motioned to approve the Future Items Matrix; seconded by Council Member Holland; motion carried.

Ayes: (4) Chair, Council Member Byrd, Vice-Chair, Council Member Beck, Council Member Holland, and Lauren Penn.

Nays: (0)

Absent: (1) Jane Zygiel

CONCLUDING ITEMS

Future Items to Bring Forward:

1. Citywide Parking Study
2. Growing the Bike Bus Programs
3. Sidepath Work Plan Update
4. Bike Funds Project Criteria
5. Evers Parkway Area Parking
6. Sidewalk Heat Intensity
7. Mobility Plan Introduction
8. Cost to Ride GoZone
9. Transit 2.0
10. Development Code Update
11. TIRZ Public/Private Partnership
12. Quarterly Transportation/Mobility Project Status Report
13. Quarterly Construction and TRiP Report
14. Semiannual Transportation Services Report
15. Annual Total Lane Miles

A. Under Section 551.042 of the Texas Open Meetings Act, respond to inquiries from the Public Utilities Board or the public with specific factual information or recitation of policy, or accept a proposal to place the matter on the agenda for an upcoming meeting AND Under Section 551.0415 of the Texas Open Meetings Act, provide reports about items of community interest regarding which no action will be taken, to include: expressions of thanks, congratulations, or condolence; information regarding holiday schedules; an honorary or salutary recognition of a public official, public employee, or other citizen; a reminder about an upcoming event organized or sponsored by the governing body; information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; or an announcement involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

Adjournment: 11:39 AM

APPROVED

Council Member Byrd
Chair

Jazmyn Robles
Management Analyst

Approved on: _____



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
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AGENDA INFORMATION SHEET

DEPARTMENT: Capital Projects

DCM: Cassey Ogden

DATE: October 22, 2025

SUBJECT

Receive a report and hold a discussion regarding the City of Denton Transportation/Mobility Project Status Report.

BACKGROUND

The Texas Department of Transportation (TxDOT) City of Denton Transportation/Mobility Project Status Report has been attached as (**Exhibit 2**) for your review. This report is updated by Innovative Transportation Solutions (ITS) staff on a quarterly basis and provides current status regarding on-system projects that may impact mobility in the Denton area. John Polster, President of ITS, will facilitate the discussion on this report.

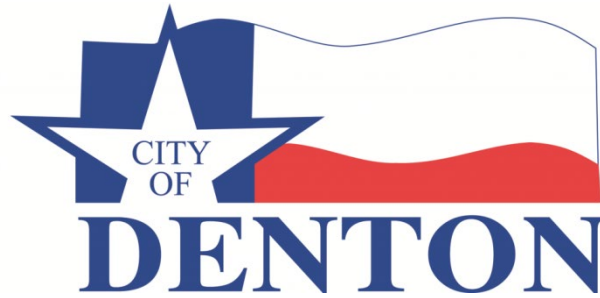
EXHIBITS

Exhibit 1 - Agenda Information Sheet

Exhibit 2 - City of Denton Transportation/Mobility Project Status Report

Respectfully submitted:
Seth Garcia, PMP
Director of Capital Projects

Prepared by:
Jazmyn Robles
Management Analyst



City of Denton Transportation/Mobility Project Status Report

Prepared by ITS

October 2025

PROJECTS

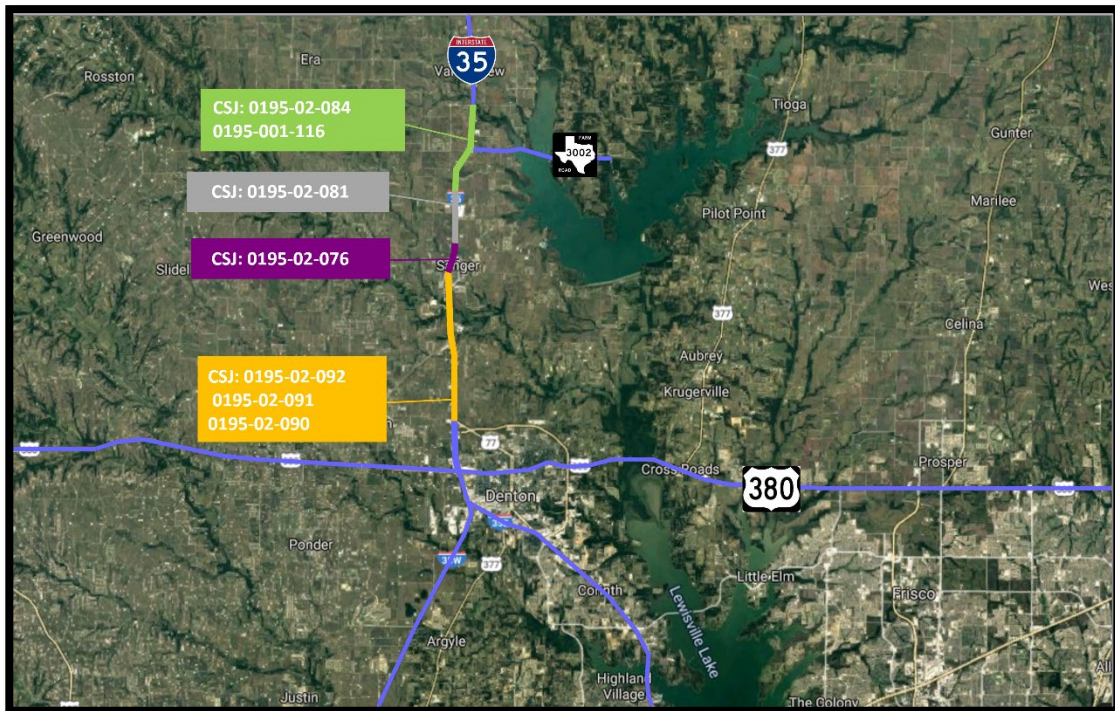
- Project Summary page 2
- I-35 North page 3
- I-35 North (FM 455 to View Road)..... page 5
- I-35/35E/35W Merge..... page 6
- I-35E/Mayhill page 8
- I-35W Frontage Roads Middle..... page 9
- Loop 288 West Frontage Roads page 10
- Loop 288 East-US 380 Connector..... page 11
- Bonnie Brae Segment 7 page 12
- FM 1515 page 13
- FM 1173 page 14
- Outer Loop..... page 15
- Glossary of Acronyms page 16
- TxDOT Funding Categories page 17
- Denton City Limits page 18

PROJECT SUMMARY

PROJECT	LET DATE	CONTRACTOR/ ENGINEER	CONSTRUCTION COST
I-35 North	Various	Stantec	\$809,219,930
I-35 North (FM 455 to View Road)	08-2025	Indus Road & Bridge	\$128,704,134
I-35/35E/35W Merge	04-2024	Sema Construction	\$588,780,841
I-35E/Mayhill	06-2025	Zachary Construction	\$123,539,232
I-35W Frontage Roads Middle	09-2028	WSP	\$260,713,231
Loop 288 West Frontage Roads	*	CP&Y	\$227,423,354
Loop 288 East-US 380 Connector	*	Westwood	\$1,262,000,000
Bonnie Brae Segment 7	*	Westwood	*
FM 1515	*	LTRA	\$69,484,709
FM 1173	*	Halff	\$125,852,145
Outer Loop	*	LJA	\$1,547,212,128
TOTAL			\$5,142,929,704

I-35 North

CSJ:	0195-02-076; 0195-01-116; 0195-02-084; 0195-02-092; 0195-02-091; 0195-02-090	Schematic Approval:	January 31, 2019
Limits:	From US 77 to FM 3002 (Cooke County line)	Environmental Approval:	October 7, 2019
Description:	Reconstruct and widen 4- to 6-lane rural freeway with ramp modifications and reconstruct 4- to 4/6-lane frontage roads	ROW Acquisition Complete:	July 2023
Est. Construction Cost:	\$809,219,930 -092: \$196,881,863 -091: \$167,112,568 -090: \$203,938,881 -116: \$110,895,970 -084: \$130,390,648	Utility Relocations Complete:	-092: August 2026 -091: August 2026 -090: August 2026 -116: June 2026 -084: February 2026
Construction Funding:	\$629,621,924 CAT 4: \$220,966,122 CAT 5: \$5,964,000 CAT 12: \$402,691,802	100% Plans:	-092: March 2026 -091: December 2026 -090: June 2027 -116: December 2025 -084: December 2025
Firm:	Stantec	Ready to Let Date:	-092: August 2026 -091: December 2026 -090: June 2027 -116: June 2026 -084: June 2026
TxDOT PM:	Dawit Abraham	Let Date:	-092: November 2026 -091: November 2027 -090: November 2028 -116: December 2029 -084: December 2029



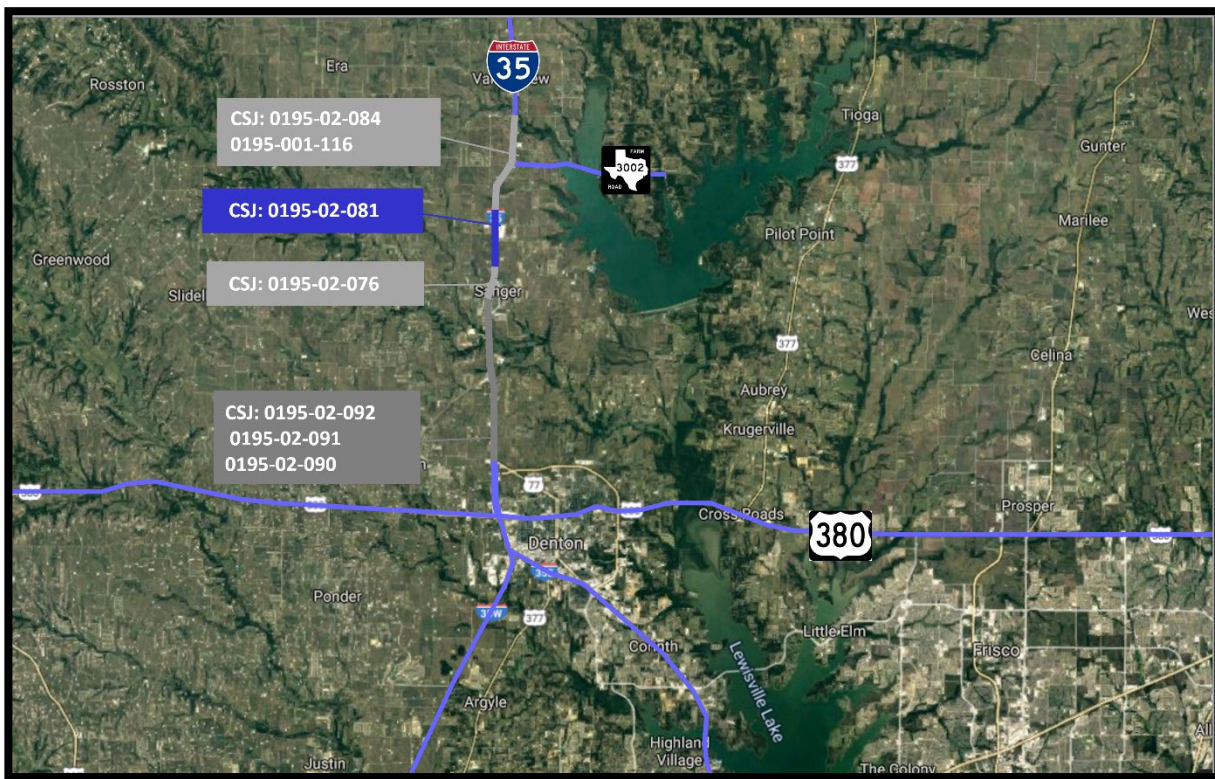
Current Activity:

- PS&E:** Work on the 100% PS&E plan set for the -074 CSJ is underway with updates to 2024 TxDOT Specifications. TxDOT has split -074 CSJ into three separate CSJs for letting.

- Work on the 100% PS&E plan set for -084 CSJ is underway with updates to the 2024 TxDOT Specifications.
- **Utilities:** The status of utilities in conflict is listed below by CSJ/segment.
IH-35 from US 77 to South of FM 455; CSJ: 0195-02-074
 - Utilities that are clear of construction: AT&T, Atmos Distribution, Brazos Electric, CoServ Electric, City of Denton, Frontier, Nortex, OneOK, Sanger Electric, and Sanger Water/Wastewater.
 - Utilities that are currently relocating: CenturyLink/Brightspeed, Bolivar WSC, MCI/Verizon, and UTRWD.
 - Utilities that are pending relocations: Altice, Lumen/Level 3, and Zayo.
 - Utilities that are critical path: None**IH-35 from View Road to Cooke County Line (FM 3002); CSJ: 0195-02-084**
 - Utilities that are clear of construction: AT&T, Bolivar WSC, CoServ Electric, Lumen/Level 3, Nortex, and Sanger Electric.
 - Utilities that are currently relocating: None.
 - Utilities that are pending relocations: MCI/Verizon, Oncor, and Zayo.
 - Utilities that are critical path: Oncor Electric needs to be clear prior to Zayo.

I-35 North (FM 455 to View Road)

CSJ:	0195-02-081	Schematic Approval:	January 31, 2019
Limits:	From north of FM 455 to north of View Road	Environmental Approval:	October 7, 2019
Length:	2.6 miles		
Description:	Reconstruct and widen 4- to 6-lane rural freeway with ramp modifications and reconstruct 4- to 4/6-lane frontage roads	ROW Acquisition Complete:	July 2023
Construction Cost:	\$128,704,134	Utility Relocations Complete:	October 2025
Construction Funding:	\$128,704,134 CAT 12	100% Plans:	June 2025
Engineering Firm:	Stantec	Let Date:	August 7, 2025
TxDOT PM:	Christian Bonilla	Construction Start:	February 2026



Current Activity:

- Utilities:** Status of utilities in conflict is listed below.
 - Utilities that are clear of construction: AT&T, Bolivar WSC, Brightspeed/CenturyLink, Lumen/Level 3, MCI/Verizon, Nortex, Sanger Electric, and Sanger Water/Wastewater.
 - Utilities that are currently relocating: Zayo (pending wreck-out)
 - Utilities that are pending relocations: None.
 - Utilities that are critical path: Sanger Electric pending wreck-out of Zayo
- Construction:** The 0195-02-081 project let for construction on August 7, 2025. The low bidder is Indus Road & Bridge, Inc. with a low bid of \$128,704,133.71. There are 37 months of barricades. Project was awarded. Pre-construction meeting to be scheduled.

[illegible]

- **Utilities:** Identified conflicts are being coordinated in the field for adjustment.
- **Construction:** The project let for construction on April 4, 2024. The project was awarded to Sema Construction with a low bid of \$588,780,840.70, at 18% above engineer's estimate. There are 1,356 working days and 56 months of barricades. See attached TxDOT construction report.

TxDOT Monthly Project Report

Date of report: October 8, 2025

Report prepared by: Jonathan Rich

Project: **0195-03-087, ETC**

Control: **0195-03-087, ETCA**

Highway: **IH 35**

Limits: IH35E at North Texas Blvd to North of US 77 on IH35

Contractor: **Sema**

TxDOT Project Manager: Jonathan Rich
Contractor's Project Manager: Shea Hurley

Phone: (945) 290-0731
Phone: (720) 215-8056

Date Work Began: January 13, 2025

Anticipated Completion Date: January 2030

Current Activities:

Current activities: Drainage activities throughout project limits within southbound and northbound frontage roads. Temporary detours – ongoing activities; major traffic switches on northbound frontage road south of US 380. Permanent pavement: northbound frontage road, southbound frontage road, and direct connector. ITS and illumination: pole removal ongoing, switching to temporary ITS, and temporary traffic signal at Oak. Place and remove overhead temporary signals throughout project. Fixing potholes throughout project. Roadway sweeping and debris pick-up throughout project limits. Building retaining walls through project; panel and coping installation; excavation and soil nails; earthwork and underdrain installation. Beam setting, steel girder placement, bridge abutment, and column forming and pouring.

Narrative description of last month's activities: Drainage activities throughout southbound and northbound frontage roads. Temporary detours: ongoing activities throughout; major traffic switches on northbound frontage road south of US 380. Permanent pavement on northbound frontage road at N Texas, southbound frontage road tie-in at US 288, N Texas to Bonnie Brae, I-35W Loop to Airport Road, N Texas to Bonnie Brae off-ramp, north of US 380, Prairie to US 380 and I-35W Loop to Airport Road. ITS and illumination: pole removal throughout project; transfer to temporary ITS on northbound frontage road; temporary traffic signal at Bonnie Brae and Oak. Placing overhead temporary signs throughout project. Fixing potholes throughout project. Roadway sweeping within project limits. MSE panel installation, coping installation, retaining wall panel installation, retaining wall coping installation, retaining wall underdrain leveling pad and paneling, bridge bents, form/pour/stripping, and bridge bent drill shafts.

Narrative description of activities planned for next month: Drainage activities throughout project limits within southbound and northbound frontage road frontage roads. Ongoing temporary detours. Major traffic switches on northbound frontage road south of US 380. Permanent pavement on northbound frontage road from northbound frontage road from N Texas to Bonnie Brae off-ramp, southbound frontage road tie-in at Loop 288, N Texas to Bonnie Brae, direct connector to I-35W, north of US 380, and I-35W off-ramp to Airport Road. ITS and illumination: pole removal, switching to temporary ITS, temporary traffic signal at Oak. Placing and removing overhead temporary signs. Fixing potholes throughout project. Roadway sweeping within project limits. Retaining wall installation, steel girder placement, beam setting, and bridges.

Traffic issues: Nightly lane closures. Temporary one-lane frontage road throughout project in multiple locations. UNT interface with home football games.

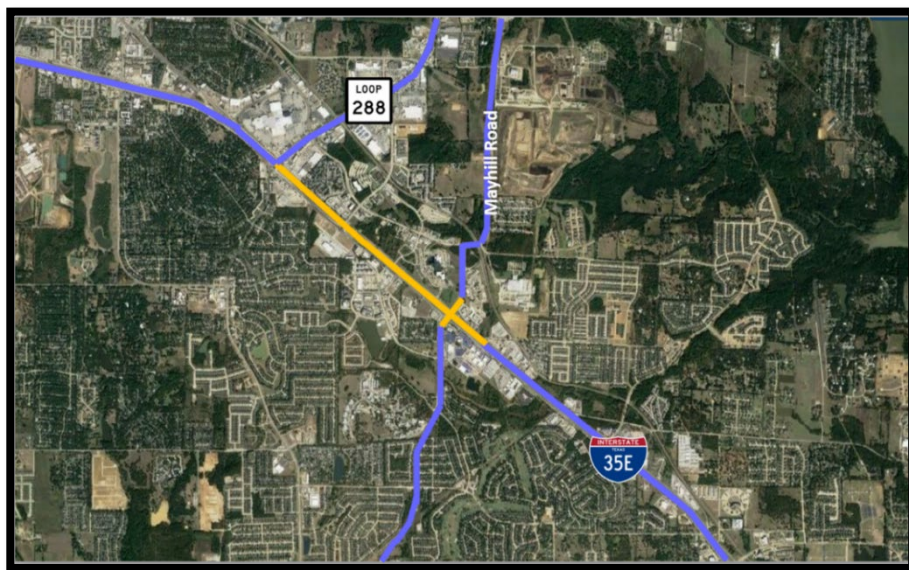
Plans for changes in traffic patterns: None

Item(s) of work currently controlling project completion: Nightly lane closures. Temporary one lane frontage road throughout project in multiple locations. Several night traffic switches expected in October (exact dates to be determined). UNT interface with home football games.

Other items of significance: None

I-35E/Mayhill

CSJ:	0196-01-109	Schematic Approval:	February 2011
Limits:	I-35E intersection with Mayhill from Pockrus Page Rd to Loop 288	Environmental Clearance:	January 31, 2012
Length:	1.912 miles	ROW Acquisition Completed:	November 2022
Description:	Reconstruct interchange at Mayhill and I-35E and existing 4-lane frontage roads	Utility Relocations Complete:	November 2025
Construction Cost:	\$123,539,232	City of Denton Utility Relocations Completed:	February 2024
Construction Funding:	\$139,130,349 CAT 2: \$129,130,349 CAT 4: \$10,000,000	100% Plans:	November 2024
Firm & Key Contact:	LTRA, Tyler Martin	Let Date:	June 5, 2025
TxDOT Project Manager:	Chaikou Bah	Construction Start:	November 2025

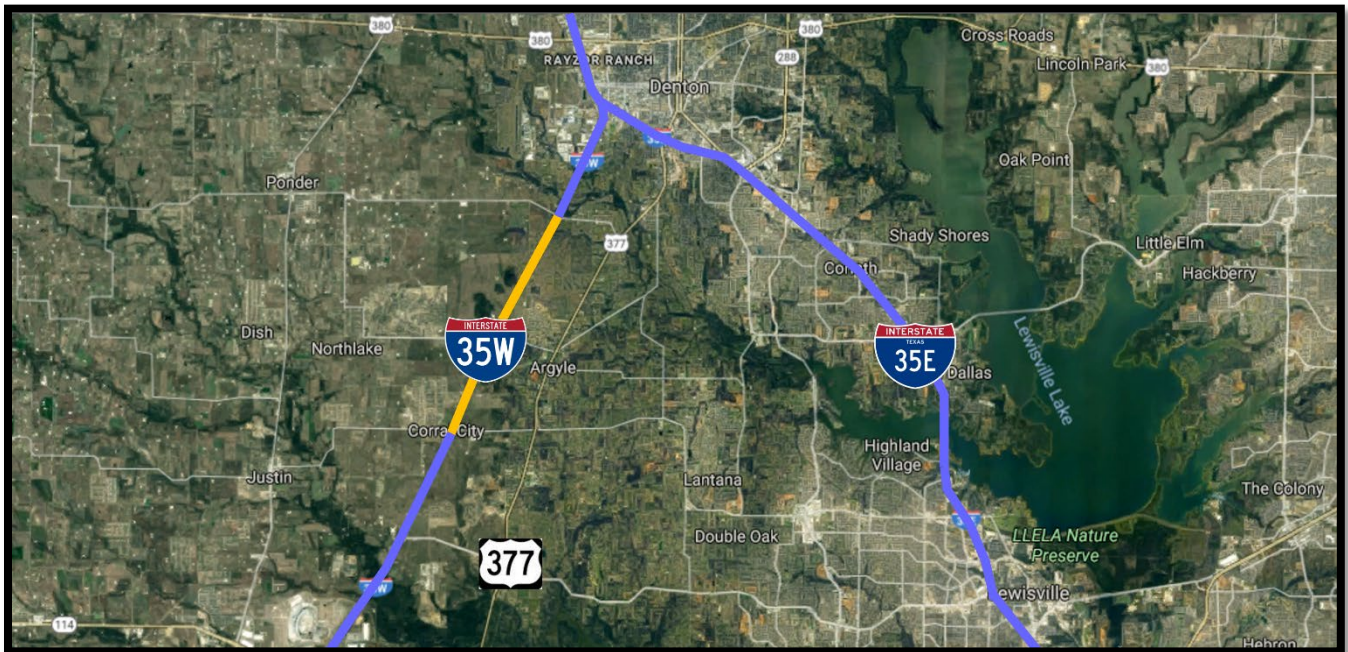


Current Activity:

- Utilities:** The status of utilities in conflict is listed below.
 - Utilities currently clear of construction: Atmos Gas (Distribution), Astound (Grande), AT&T, Brightspeed/CenturyLink, CoServ Gas, City of Denton Water, City of Denton Wastewater, DISD, NGG, Oncor, United Private Networks, and Zayo.
 - Utilities that are currently relocating: Astound (Grande), Brightspeed/CenturyLink, Charter/Spectrum, DISD, DME, Frontier, Lumen/Level 3, and Zayo.
 - Utilities that are pending relocation: None.
 - Utilities that are critical path: DME is placing new poles needed for Charter and Frontier to complete. Charter and Frontier completed expected in October. DME clearance expected in November.
- Construction:** The project let for construction on June 5, 2025. Apparent low bidder is Zachary Construction Corporation with a low bid of \$123,539,232.30, at 16.2% below engineer's estimate. There are 981 working days and 40 months of barricades. Contract has 120-day delay. TxDOT is evaluating utility clearance date and coordinating with Zachary on start date. Currently anticipate start of construction in November 2025 based on utility clearance estimates.

I-35W Frontage Roads Middle

CSJ:	0081-13-071	Schematic Approval:	March 20, 2020
Limits:	From 0.7 miles south of FM 407 to FM 2449	Environmental Clearance:	June 30, 2020
Length:	6.76 miles		
Project Description:	Construct frontage roads	ROW Acquisition Complete:	June 2026
Est. Construction Cost:	\$260,713,231	Utility Relocations Complete:	December 2027
Construction Funding:	\$213,024,000 CAT 2: \$24,537,247 CAT 12: \$188,486,753	100% Plans:	December 2025
Firm:	WSP	Ready to Let Date:	December 2027
TxDOT PM:	Gutema Gebriel	Let Date:	September 2028



Current Activity:

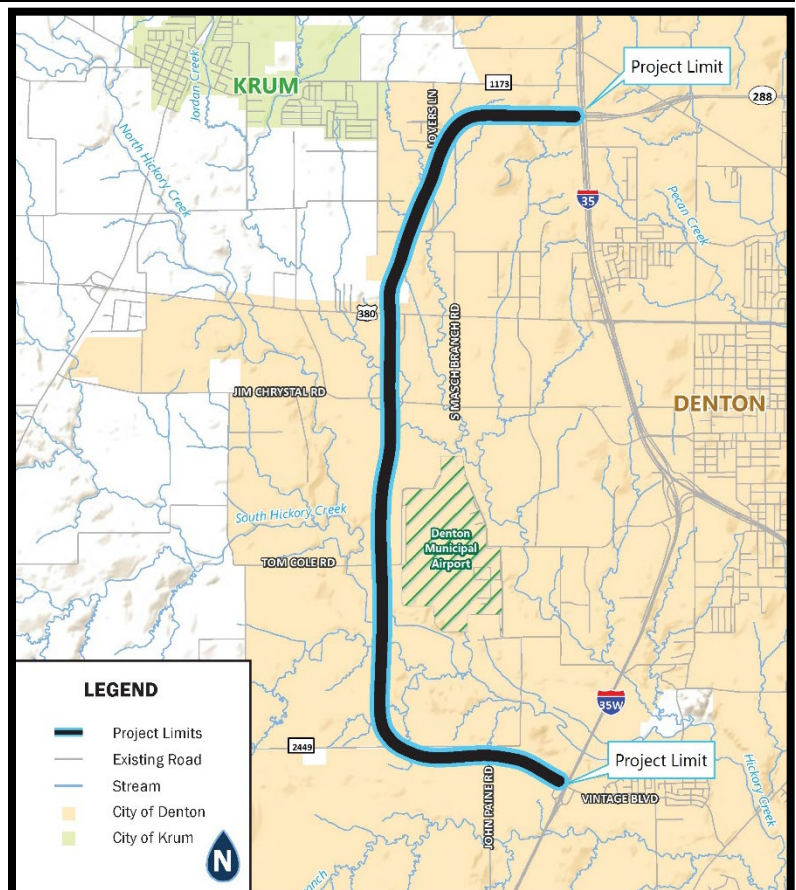
- **PS&E:** WSP continues addressing TxDOT comments to 95% plan set and is working toward completion of final plan set.
- **ROW:** There are 58 parcels to acquire. There are: 3 parcels in ED and 55 parcels acquired. ROW acquisition has been placed on hold due to District budgetary constraints.
- **Utilities:** The status of utilities in conflict is listed below.
 - Utilities that are clear of construction: DME Transmission and UTRWD.
 - Utilities that are currently relocating: Atmos Gas
 - Utilities that are pending relocations: CoServ Electric, DME Distribution, Fiberlight, Frontier, Fiberlight, Lumen, and Zayo.
 - Utilities that are critical path: CoServ pole placement design and placement is needed for telecoms to finalize their design.

Loop 288 West Frontage Roads

CSJ:	2250-00-013 (from I-35 to US 380) 2250-00-032 (from US 380 to I-35W)	Schematic Approval:	March 20, 2020
Limits:	From I-35 to I-35W	Environmental Clearance:	September 28, 2020
Length:	9.0 miles	ROW Acquisition Complete:	December 2025
Description:	Construct frontage roads	Utility Relocations Complete:	April 2026
Estimated Construction Cost:	\$227,423,354 -013: \$95,315,990 -032: \$132,107,364	100% Plans:	December 2025
Construction Funding:	\$3,000,000 CAT 3 \$1,000,000 CAT 7	Ready to Let Date:	April 2026
Firm & Key Contact:	CP&Y, Tom Cochill & Jacob Roberts	Let Date:	Pending Funding
TxDOT Project Manager:	Gutema Gebriel		

Current Status:

- **ROW:** For RCSJ 2250-02-023, there are 19 parcels to acquire. There are: 2 parcels in ED and 17 parcels in possession. For RCSJ 2250-02-024, there are 20 parcels to acquire. There are: 5 parcels in negotiations and 15 parcels in possession.
- ROW acquisition efforts are on hold due to District budgetary constraints.
- **PS&E:** CP&Y updated PBLR for final submittal.
- CP&Y updated Exhibit A and made final submittal on September 30, 2024.
- The 95% PS&E plan set submittal was made on September 3, 2024. The comment resolution meeting was held on January 28, 2025. CP&Y continued addressing comments and working toward final submittal.
- TxDOT requested revised traffic numbers; CP&Y awaiting new pavement design to finalize submittal.
- CP&Y reviewed the revised Dallas District Design Guide and noted impactful changes that would result from in a revision to plans.
- CP&Y completed another analysis for US 380 per TxDOT request.
- Bi-weekly coordination meetings underway.
- **Utilities:** SUE Level A submittal was made on October 11, 2024. Completed two Level A test holes for gas pipeline crossing per TxDOT request. Investigated conflict with Enterprise and Atmos Gas lines.



Loop 288 East-US 380 Connector

CSJ:	2250-02-025; 0135-10-066; 0135-10-066	Schematic Approval:	December 2025
Limits:	from I-35 to US 380 east of Geesling Road	Environmental Clearance:	July 2026
Length:	8 miles	ROW Acquisition Completion:	*
Project Description:	Construct Loop 288 frontage roads and grade separations and an improved connector to US 380	Utility Relocations Completion:	*
Estimated Const. Cost:	\$1.262 billion	100% Plans:	*
Construction Funding:	\$0	Ready to Let Date:	*
Firm & Key Contact:	Westwood, Mark Schluter, Mark Zoellner	Let Date:	*
TxDOT PM:	Stephen Endres		

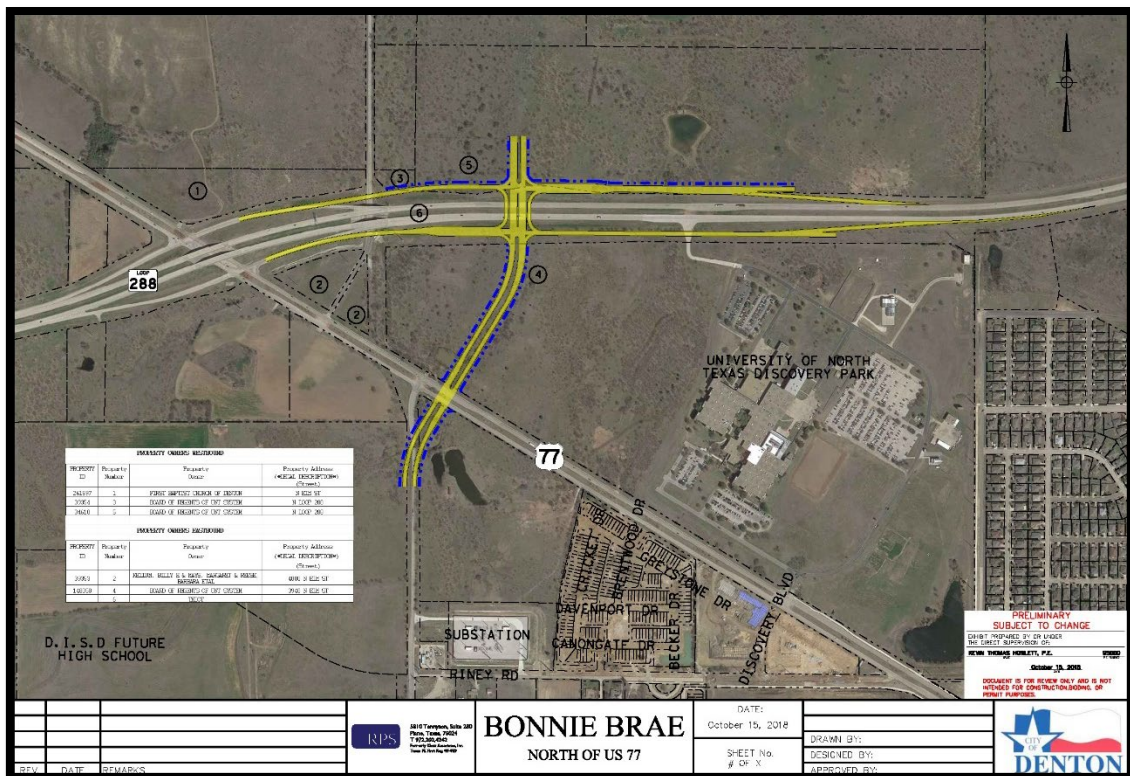


Current Activity:

- **PS&E:** Westwood submitted the final schematic on October 9, 2025.
- Monthly coordination meeting with City of Denton held on August 7, 2025.
- Westwood is updating estimates, completing traffic control plan, and finalizing TxDOT forms.
- **Environmental:** TxDOT approved project for an Environmental Assessment (EA). Public hearing date is tentatively scheduled for February 2026. Westwood continues working on Environmental Assessment and Technical Reports. Weekly meetings with environmental coordinator underway.

Bonnie Brae Segment 7

CSJ:	*	Schematic Approval:	December 2025
Limits:	From US 77 to Loop 288	Environmental Clearance:	July 2026
Length:	0.2 miles	ROW Acquisition Complete:	*
Description:	Extension of Bonnie Brae north of US 77	Utility Relocations Complete:	*
Est. Construction Cost:	*	100% Plans:	*
Construction Funding:	*	Ready to Let Date:	*
Firm & Key Contact:	Westwood, Mark Schluter, Mark Zoellner	Let Date:	*
TxDOT Project Manager:	Stephen Endres	Construction Start:	*

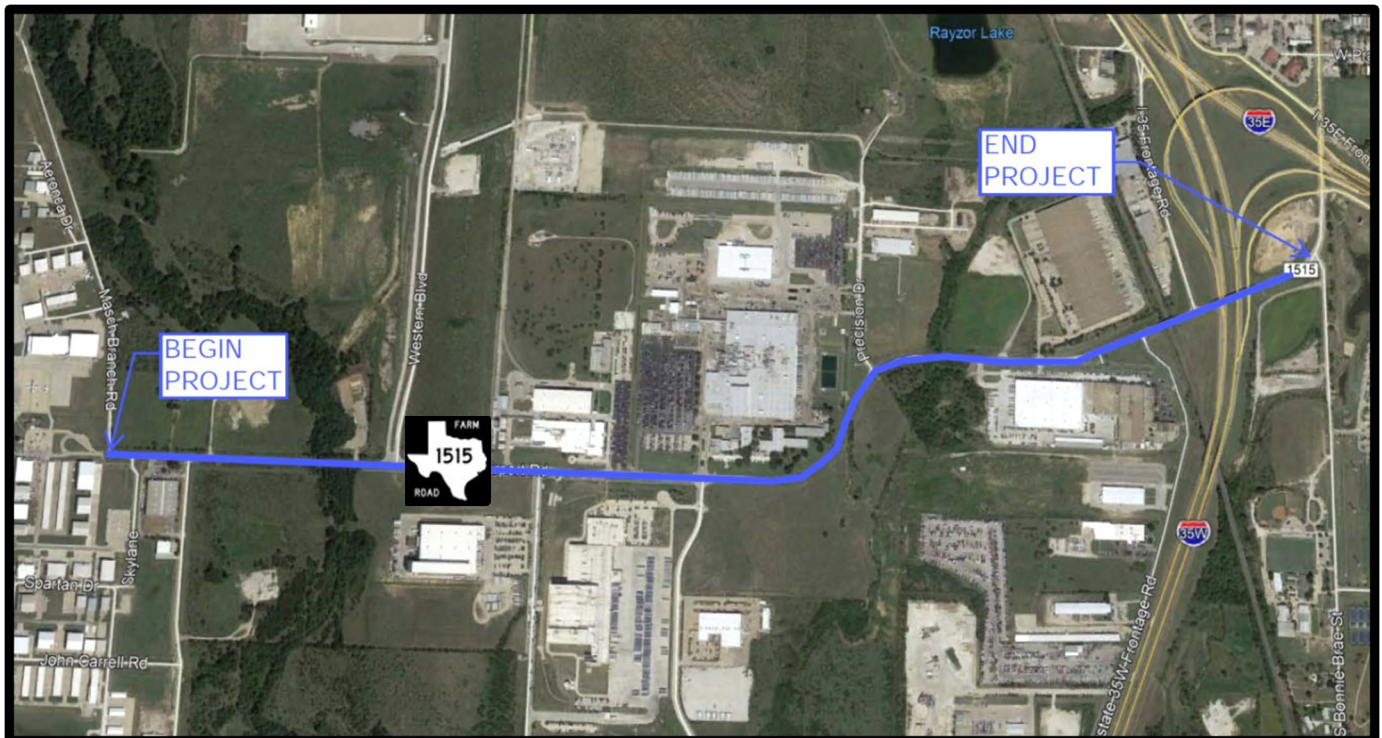


Current Activity:

- **PS&E:** The segment between US 77 and Loop 288 has been added to Loop 288 East contract with Westwood.

FM 1515

CSJ:	1951-01-011	Schematic Re-approval:	October 13, 2021
Limits:	From Bonnie Brae to Masch Branch Road	Environmental Approval:	August 4, 2020
Length:	2.096 miles	Environmental Re-eval:	March 15, 2022
Description:	Widen existing 2-lane rural section to a six-lane divided urban roadway	ROW Acquisition Complete:	July 2023
Est. Construction Cost:	\$69,484,709	Utility Relocations Complete:	March 2027
Construction Funding:	\$500,000 CAT 7	100% Plans:	June 2024
Firm & Key Contact:	LTRA, Tyler Martin	Ready to Let Date:	March 2027
TxDOT Project Manager:	Bryan Esmaili-Doki	Let Date:	Pending Funding



Current Activity:

- **PS&E:** LTRA updated plans to the 2024 TxDOT Specifications and submitted the final plan 6-25set on June 28, 2024. Plans have been shelved until letting.
- **Exhibit A:** LTRA submitted new Exhibit A for CPKC approval.
- **Utilities:** The status of utilities in conflict is listed below.
 - Utilities that are clear of construction: None
 - Utilities that are currently relocating: None
 - Utilities that are pending relocation: AT&T, Atmos, Brightspeed/CenturyLink, Charter/Spectrum, City of Denton Water/Wastewater, DME Distribution, Lumen, MCI/Verizon, and UPN.
 - Utilities that are critical path: City Water needs to be placed prior to Atmos. City SUA in process. DME poles are needed for telecoms to begin. **Atmos to begin relocations in November 2025.**

FM 1173

CSJ:	1059-01-047; 1059-02-002	Schematic Approval:	March 20, 2020
Limits:	From I-35E to FM 156	Environmental Clearance:	August 26, 2021
Length:	3.613 miles		
Description:	Widen and realign to 4/6-lane divided urban road	ROW Acquisition Completed:	September 2023
Est. Construction Cost:	\$125,852,145 -047: \$62,892,803 -002: \$62,959,342	Utility Relocations Complete:	June 2026
Construction Funding:	\$0	100% Plans:	May 2025
Firm & Key Contact:	Halff Associates, Adam Bazar	Ready to Let Date:	June 2026
TxDOT PM:	Kwan Lam	Let Date:	Pending Funding

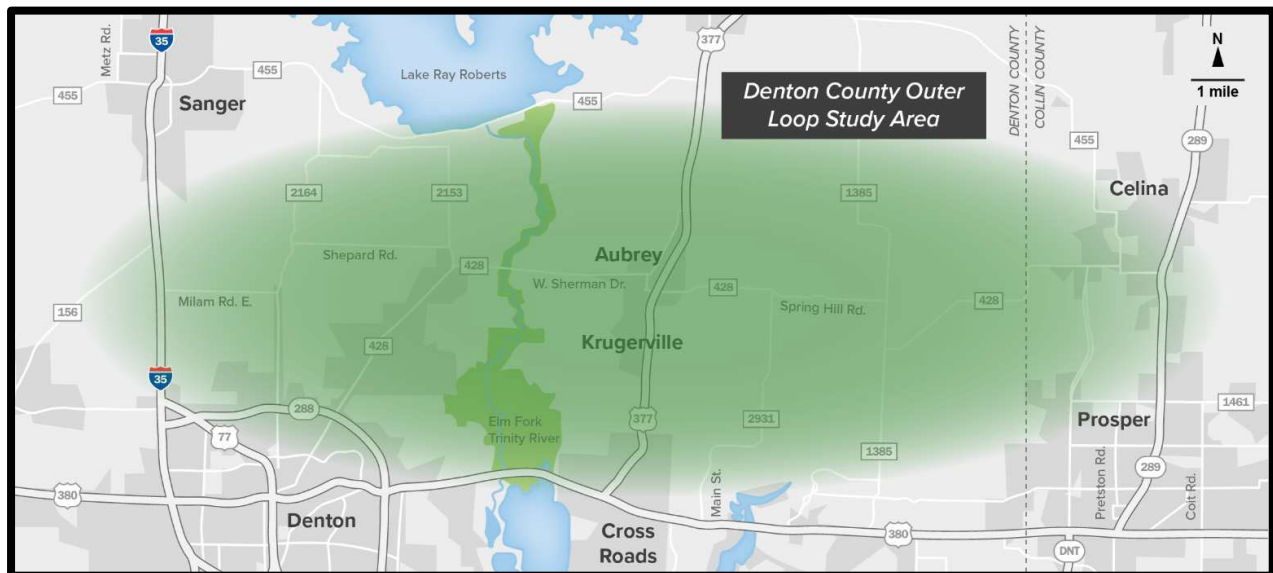


Current Activity:

- **PS&E:** Halff resubmitted final PS&E plan set on May 10, 2025.
- Halff submitted BNSF Exhibit A on September 24, 2024.
- **Utilities:** The status of utilities in conflict is listed below.
 - Utilities that are clear of construction: None.
 - Utilities that are currently relocating: AT&T, Atmos Distribution, CoServ Electric, City of Denton Sewer, and Oncor.
 - Utilities that are pending relocations: Altice, Atmos, Brightspeed, City of Krum Water/Sewer, Fiberlight, and Zayo.
 - Utilities that are critical path: City of Krum Water/Sewer; Atmos line resolution to avoid adjusting, and CoServ and Oncor poles need to be placed for telecoms.

Outer Loop

CSJ:	0918-46-341	Schematic Approval:	March 2026
Limits:	From I-35 to the DNT at the Denton County Line	Environmental Clearance:	September 2026
Length:	23 miles	ROW Acquisition Complete:	*
Description:	Construct a six-lane controlled access freeway with continuous frontage roads	Utility Relocations Complete:	*
Est. Construction Cost:	\$1,547,212,128	100% Plans:	*
Construction Funding:	\$0	Ready to Let Date:	*
Firm & Key Contact:	LJA, Tony Kimmey	Let Date:	*
TxDOT Project Manager:	Liang Ding	Construction Start:	*



Current Activity:

- **Design:** LJA submitted 60% schematics to TxDOT for review on July 7, 2025. LJA prepared schematic for public meeting.
- LJA continues coordination with NCTCOG, TxDOT, USACE, and other agencies.
- Traffic projections were updated to include the limits east of DNT. Completed crash data review for 2023 and 2024. LJA is working on traffic.
- **Utilities:** LJA continues developing utility conflict matrix. LJA continues developing Level D map. LJA is coordinating and identifying areas to perform Level B SUE. LJA is working to develop utility cost estimate and utility easements.
- **Environmental:** Evaluating easements and TxDOT property near USACE property. Reviewing additional constraints and areas of concern. Archeological survey is in progress.
- **Other:** Project website is available: www.DentonCountyOuterLoop.com.
- **Public Involvement:** LJA prepared for public meetings. Public meetings were held on September 29, 2025, in Denton and on September 30, 2025, in Aubrey/Pilot Point. There were 170 in attendance at the Denton meeting and 190 in attendance at the Aubrey/Pilot Point meeting, for a total of 360 attendees. The comment period will end on October 29, 2025.

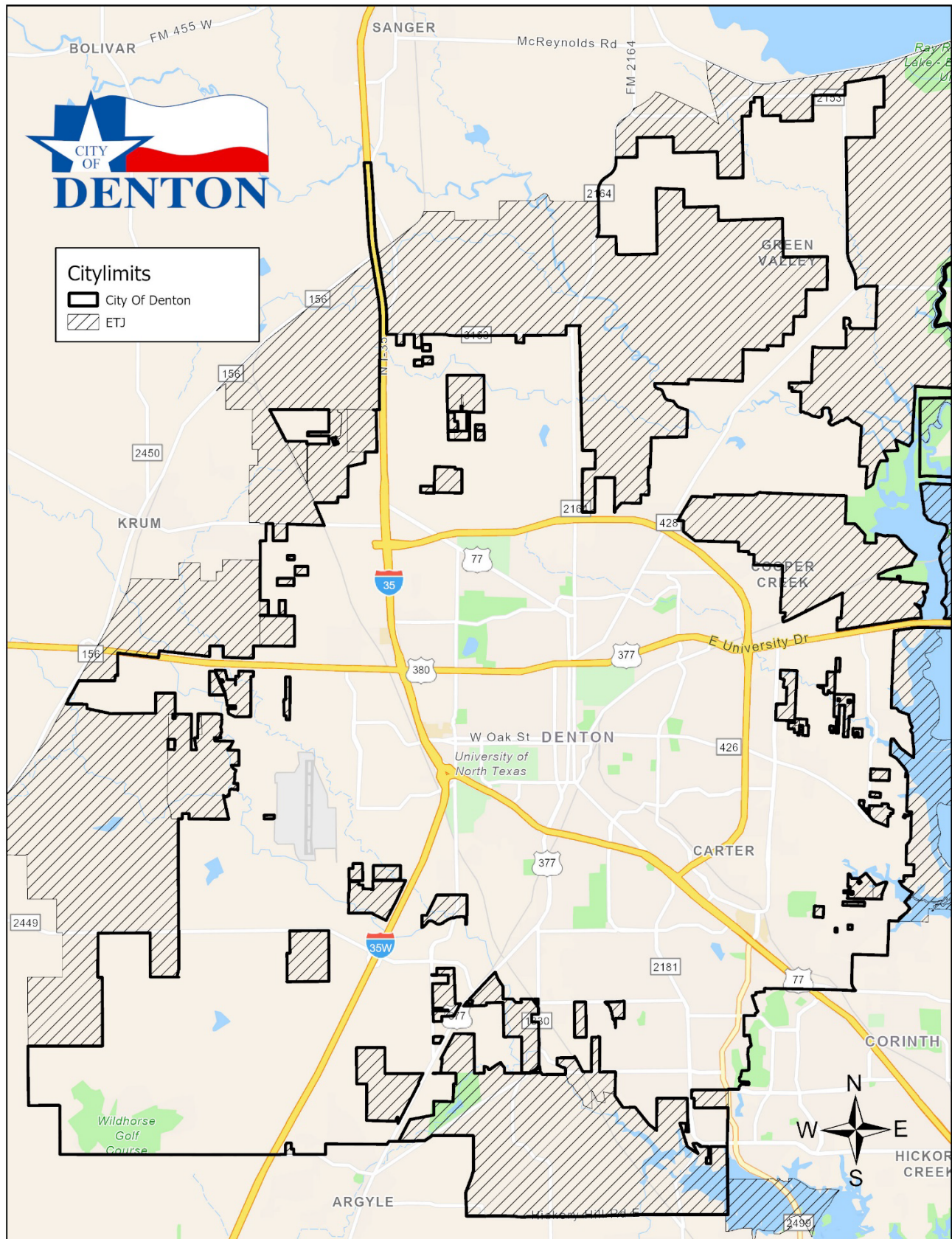
Glossary of Acronyms

- AADT – Annual Average Daily Traffic
- AFA – Advanced Funding Agreement
- ARPA – Archeological Resources Protection Act
- CE – Categorical Exclusion (environmental clearance process for projects that do not involve significant environmental impacts)
- CLOMR – (FEMA’s) Conditional Letter of Map Revision
- Conformity – Federal requirement in nonattainment areas to conduct air quality analysis on projects, programs, and policies identified in transportation plans, transportation improvement programs, federally funded projects, or projects requiring federal approval
- CSJ – (TxDOT’s) Control Section Job Number
- DCC – Design Concept Conference
- EA – Environmental Assessment
- ED – Eminent Domain
- EIS – Environmental Impact Statement
- EPIC – Environmental Permits, Issues, and Commitments
- ESAL – Equivalent Single Axle Load (TxDOT design calculation)
- FONSI – Finding of No Significant Impact
- IAJR – Interstate Access Justification Request
- ICA – Interlocal Cooperative Agreement
- IFP – Initial Financial Plan
- Let – Official date of receipt and opening of bids
- MAPO – Meeting with Affected Property Owners
- MPO – Metropolitan Planning Organization
- MTP – Metropolitan Transportation Plan
- NCTCOG – North Central Texas Council of Governments
- NEPA – National Environmental Policy Act
- NOPC – Notice of Proposed Construction
- NTTA – North Texas Toll Authority
- PBLR – Preliminary Bridge Layout Review
- PS&E – Plans Specifications and Estimate
- PUA – Possession and Use Agreement
- ROW – Right-of-Way
- RTC – Regional Transportation Council
- RTL – Ready to Let (date project is clear for construction but lacks funding for actual let)
- RTR – Regional Toll Revenue (funds resulting from certain toll/managed lane projects in DFW region)
- RULIS – Right-of-Way, Utilities, Leasing, and Information System
- STBG – Surface Transportation Block Grant
- STIP – Statewide Transportation Improvement Program
- SUE – Subsurface Utility Engineering
- SW3P – Storm Water Pollution Prevention Plan
- TCP – Traffic Control Plan
- TIA – Time Impact Analysis
- TPP – Transportation Planning and Programming
- TPWD – Texas Parks & Wildlife Department
- TTC – Texas Transportation Commission
- TxDOT – Texas Department of Transportation
- UTP – Unified Transportation Program
- VE – Value Engineering

TxDOT Funding Categories

- CAT 1: Preventive Maintenance and Rehabilitation
- CAT 2: Metro and Urban Area Corridor Projects / NCTCOG
- CAT 3: Non-Traditionally Funded Transportation Projects
- CAT 4: Statewide Connectivity Corridor Projects
- CAT 5: Congestion Mitigation and Air Quality Improvement / NCTCOG
- CAT 6: Structures Replacement and Rehabilitation (Bridge)
- CAT 7: Metropolitan Mobility and Rehabilitation / NCTCOG
- CAT 8: Safety Projects
- CAT 9: Transportation Alternatives
- CAT 10: Supplemental Transportation Projects
- CAT 11: District Discretionary
- CAT 12: Strategic Priority

Denton City Limits





City of Denton

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AGENDA INFORMATION SHEET

DEPARTMENT: Development Services

DCM: Cassey Ogden

DATE: October 22, 2025

SUBJECT

Receive a report and hold a discussion regarding the Mobility Plan Bootcamp – Part 2 to introduce and share the information on different elements of the Mobility Plan.

BACKGROUND

In response to Council Members' inquiries regarding the implementation of several elements of the Mobility Plan as a short-term mitigation strategy, staff will provide an overview of the Mobility Plan and its various components in four parts. This item covers Part 2 of the Mobility Plan Bootcamp. The objective is to align Citywide Transportation implementations with Mobility Plan priorities.

EXHIBITS

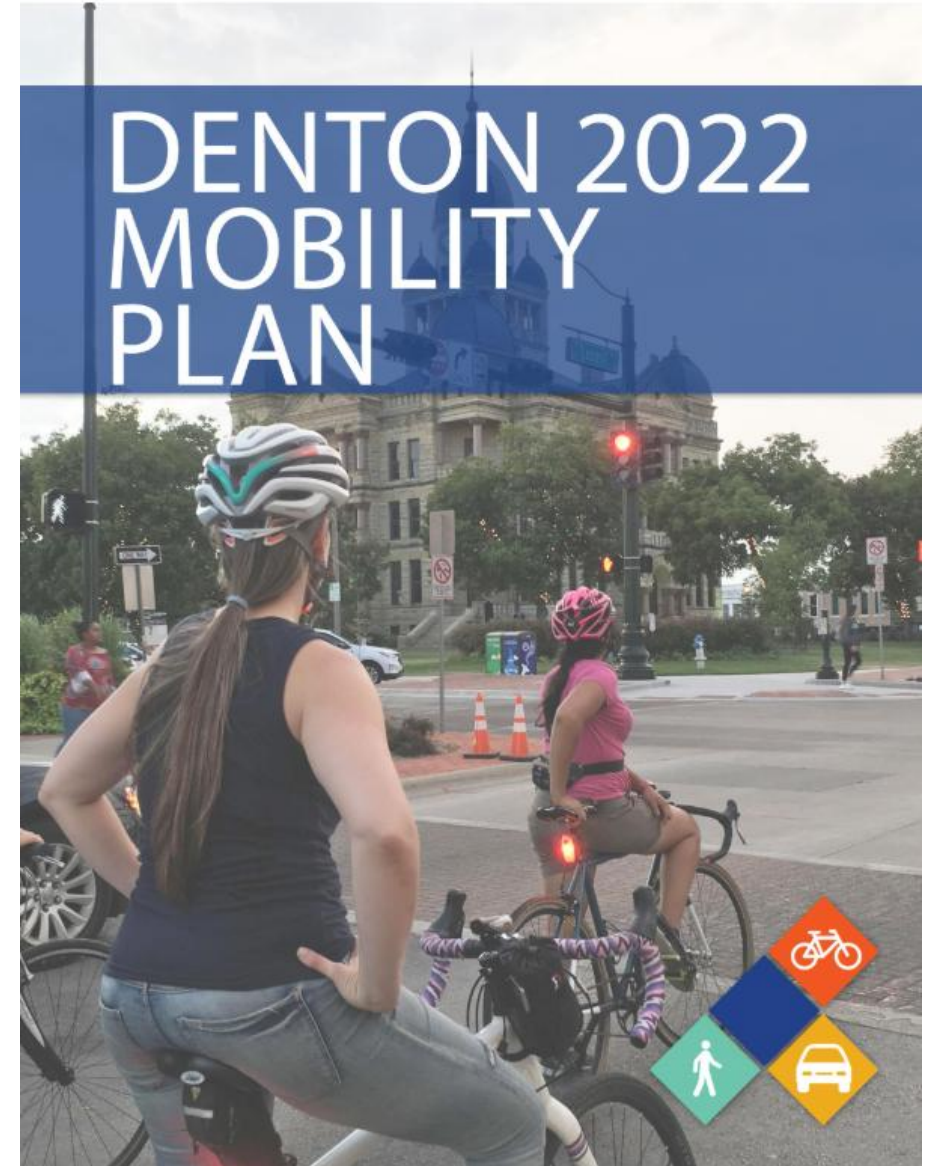
Exhibit 1 - Agenda Information Sheet
Exhibit 2 – Presentation

Respectfully submitted:
Farhan Butt, Ph.D., P.E., M. ASCE
Deputy Director, Transportation Services Division

Mobility Plan boot camp

PART
2

Farhan Butt, Ph.D., P.E., M. ASCE
Transportation Services Division



Boot Camp Program



✓ DONE

↑
Covered Today

Denton Comprehensive Plan – Mobility Component Goals

GOAL M-1

Safe and Efficient Mobility

Provide for the safe, efficient movement of motor vehicles, bicycles, and pedestrians in a sustainable way that complements Denton’s planned growth strategy

GOAL M-3

Non-Motorized Mobility

Create a transportation network that allows residents to walk, bicycle, and use other forms of non-motorized transportation for exercise, recreation, and daily commutes.

GOAL M-2

Enhance Economy

Enhance Denton’s economy by supporting the city’s freight network

GOAL M-4

Public Transit Emphasis

Create an environment where transit is convenient and safe for travel both within Denton and to the rest of the region.

Denton Mobility Plan Themes



Covered Today



Covered Today

- Themes focus on Nine Goals
- The goals define the mobility priorities
- The goals were developed through the planning process, focused on
 - Staff discussions
 - Public meetings
 - City council feedback
- Each of the goals aligns with action items resulting from the goals

Denton Mobility Plan Goals

Prioritize Safe Travel	Deliver an effective network for travel	Facilitate Alternative Travel Opportunities	Leverage Innovation
- Establish a Vision Zero Action Plan(Goal 1) - Utilize “Complete Streets” approach when improving Denton Streets(Goal 7) - Acknowledge vulnerability	- Identify transportation needs that are supportive of existing and future land use (Goal 5) - Prioritize Transit and transportation alternatives to reduce demand for existing transportation resources(Goal 4) - Encourage development of regional transportation network that addresses regional mobility needs for all modes of travel (Goal 3) - Maintain a State of Good Repair on Denton Streets(Goal 2) - Fund critical transportation infrastructure(Goal 6)	- Prioritize travel needs of pedestrians, cyclists and transit users in every project(Goal 8 & 9) - Provide comfortable and low-stress opportunities to walk and bike	- Improve operations using Innovative Transportation Solutions(Goal 2) - Utilize Transportation Demand Management Strategies to reduce demand for existing transportation resources(Goal 4)
1	2	3	4

 Covered Today

 Covered Today

Mobility Plan Goal 1 - Establish a Vision Zero Action Plan

Comprehensive Plan

Comprehensive Plan Goal M-1

Provide for the safe and efficient movement of motor vehicles, bicycles, and pedestrians in a sustainable manner that complements Denton's planned growth strategy

Mobility Plan

Objective 1 A

Safety is the number one priority



Selected Strategies

Design, evaluate, operate, and enforce safe speeds
Improve the ability of all users to see and be seen

Objective 1 B

Implement education and enforcement initiatives



Selected Strategies

Implement education and enforcement initiatives around serious injury and fatal crashes

Objective 1C

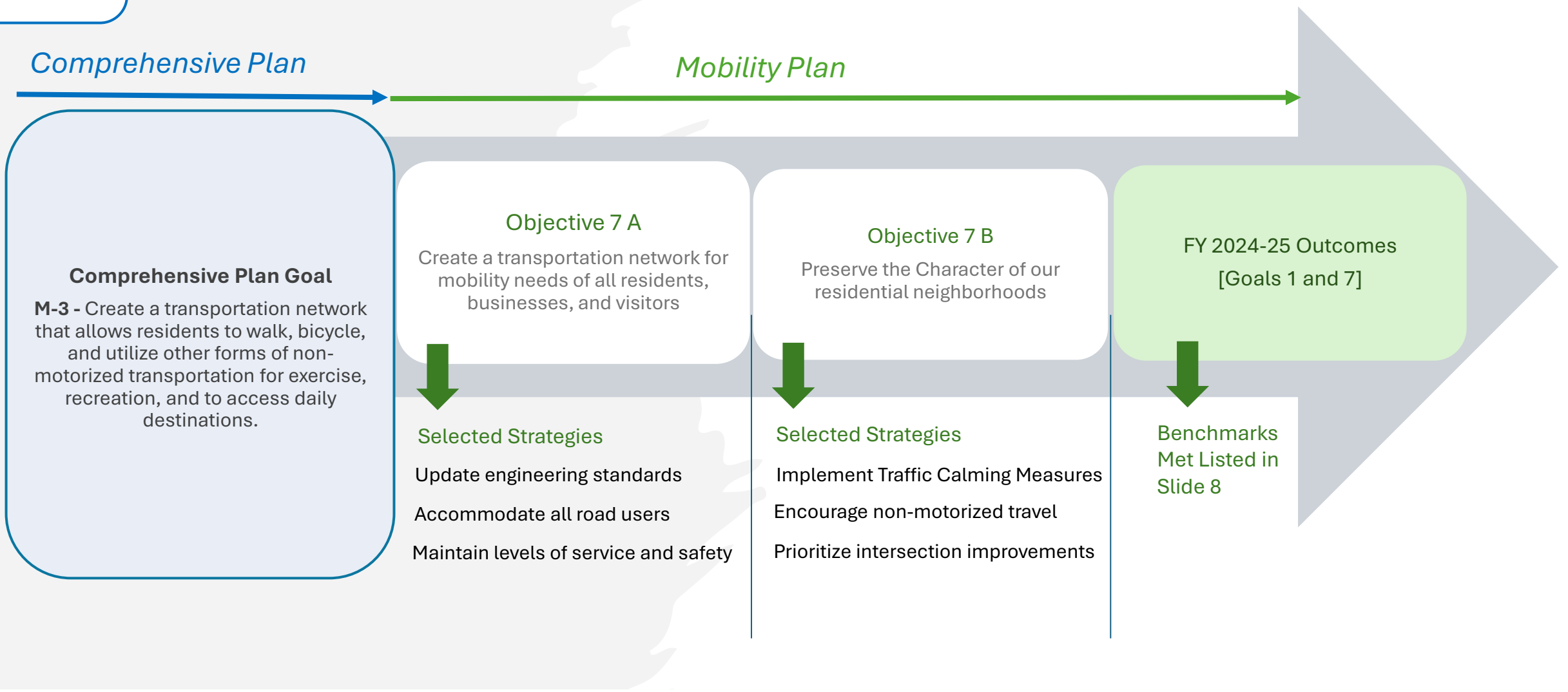
Prioritize funding for Safety Improvements



Selected Strategies

Identify and allocate annual funding for safety improvements within the City
Pursue and secure local, State, and federal funding for safety improvements

Mobility Plan **Goal 7** - Utilize the “Complete Streets” Approach when improving Denton Streets



Benchmarks Met – Theme 1

Selected Benchmarks Met in FY 2024

Citywide Initiatives

▪ Vision Zero Phase II – Implementation Plan	Continuous
▪ Multiple Road Safety/ADA Implementations Citywide	Continuous
▪ Multiple Mobility Plan Amendments Approved	Continuous
▪ Bicycle/Pedestrian Project Prioritization	Continuous
▪ Traffic Operations New Infrastructure and Improvements	Continuous

USDOT SS4A Awards

✓ 2024 Awarded (Vision Zero Action Plan)	\$750,000
• 2025 Applied (95% Award Confidence)	\$1.0 Million
• 2025 Advanced Air Mobility	\$2.0 Million
• 2025 Intelligent Transportation Systems Master Plan	\$1.0 Million

FEMA

• 2025 Collaborative Funding Application	\$2.0 Million
- Comprehensive Plan Update	
- Transit 2.0 Demographics Synthesis	
- Trails Master Plan	

NCTCOG Fundings (Bicycle, Pedestrian, Safety)

✓ Work Zone Data Exchange 2024 Award	\$300,000
✓ TA Set Aside Awarded (Safety and Trails)	\$7.6 Million
✓ TIP Mod (Expansion of Western Blvd)	\$5.0 Million

TXDOT Fundings (Bicycle, Pedestrian, Safety, Traffic Operations)

✓ TA Set Aside (Safety SRTS and Trails)	\$15.6 Million
▪ HSIP Funds Awarded	\$ 11.0 Million

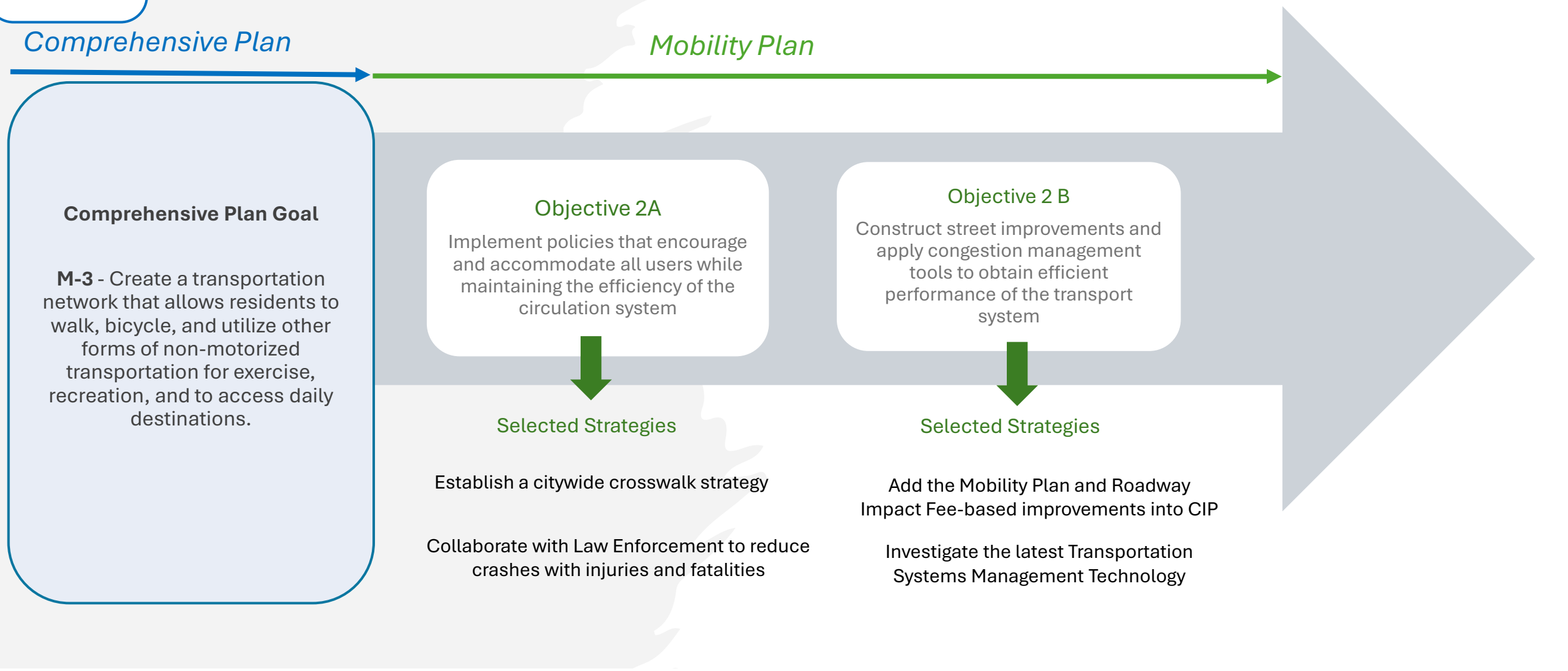
DCTA Fundings (Public Transit Access, Bicycle, Pedestrian, Road Safety)

✓ TriP 2024 /2025 [Multimodal Improvements]	\$ 8.5 Million
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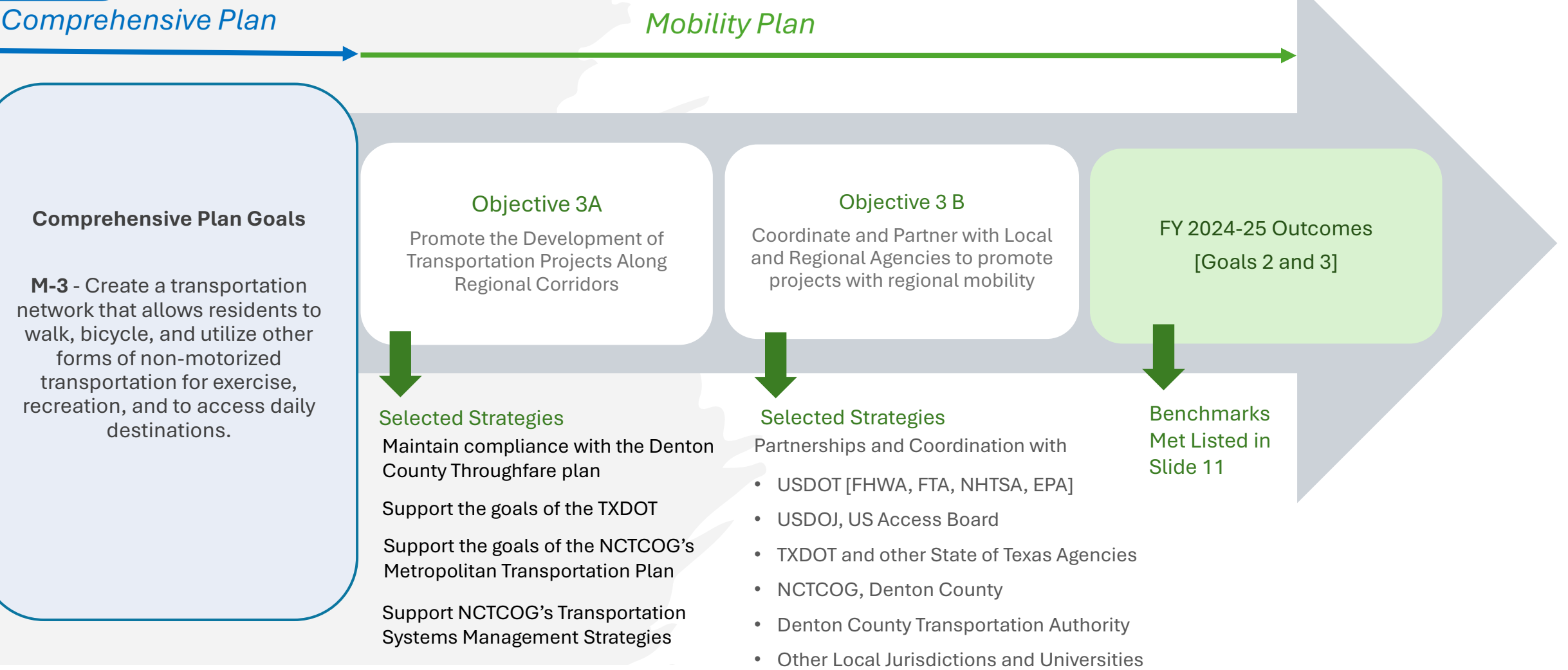
✓ Funds Awarded

Theme 1
**Prioritize
Safe Travel**
+

Mobility Plan Goal 2 – Maintain a State of Good Repair on Denton Streets



Mobility Plan Goal 3 – Enhance Regional Mobility and Coordination



Benchmarks Met – Theme 2

Selected Benchmarks Met in FY 2024

Regional Stakeholders Coordination (within Texas)

- Outerloop Project Coordination
- Loop 288 Project Coordination
- TXDOT Biweekly Coordination Meetings
- ✓ XDOT Coordination on HSIP and Traffic Operations Maintenance
- DCTA Monthly Coordination Meetings
- Denton County Board Meetings and Project Coordination
- NCTCOG Coordination
 - TIP MOD and Regional Transportation Plan (RTP)
 - 2050 Demographics Synthesis
 - Surface Transportation Technical Committee
 - Transit 2.0
 - Regional Transportation Council

ADA Compliance Coordination

- USDOJ, US Access Board, and TXDOT
- Texas Governor's Committee on People with Disability
- National Institute of Highways for ADA Trainings
- NCTCOG-based ADA Trainings

Theme 2
Deliver an
Effective
Network For
Travel



Staff Notes

- *Alignment with Plans* - Cities thrive when they align their initiatives with their Comprehensive Plan and Mobility Plan
- *Collective Vision* – Plan-alignment cultivates a vision that ensures sustainable growth, enhances community well-being, and promotes accessibility for all
- *Resilient Future* – Promotes efficient resource allocation and collaboration, leading to vibrant neighborhoods and a resilient future
- *Livable City for All* - A cohesive strategy drives economic development and strengthens the bond between citizens and their environment, creating a livable city for all

Questions

Farhan Butt, Ph.D., P.E., M. ASCE

Deputy Director

Transportation Services



MEMORANDUM

DATE: October 22, 2025
TO: Mobility Committee
FROM: Cassey Ogden, Deputy City Manager
SUBJECT: Committee Requested Project Updates

This memo provides information and updates from staff relating to updates to the Committee on items of interest discussed in past meetings. The following is a listing and brief staff response to the matters brought forward.

Evers Street Parking Follow-Up:

During the August Mobility meeting, Council Member Beck requested that Staff find a solution to accommodate both residents and parents during school drop-off and pick-up. Transportation Services and Police Department staff visited the location and could not find an alternative way to change the current restrictions during the school drop-off and pick-up hours that would not risk the safety of the school kids around the parked cars and would not make crossing guard duties even harder. Crossing guards continue to report issues with parents parking along Evers Parkway; therefore, the Police Department wants to change the current restriction signage to a "No Stopping, Standing or Parking during School Times" sign, which would allow them to enforce the restriction. Staff plan to change the signage during the winter break. In the future, Staff could evaluate excluding the current no-parking restriction along Evers Parkway south of Casie Court to allow residents to park away from the school.

Bike Funds Project Criteria:

During the March Mobility meeting, then Committee Member Rumohr inquired about the criteria used for prioritizing sidewalk and bike lane projects. The criteria for prioritizing sidewalk and bike lane projects are currently in the draft-final stage, ensuring a comprehensive and effective planning process for our community's transportation needs. With a focus on enhancing safety and accessibility, these criteria will determine which projects receive funding and priority attention.

The vacant position of Senior Planner for Bicycle, Pedestrian, and ADA has been successfully filled by Dr. Roya Etminani. Dr. Etminani holds a Ph.D. in Urban Planning and has several years of post-doctoral experience at the Center for Transportation Equity and Decisions at the University of Texas at Arlington. Before joining the City of Denton, she worked as a Senior Planner with the Texas Transportation Institute, which is a transportation consulting agency of the State of Texas and part of the Texas A&M University System.

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Dr. Etminani is scheduled to join the Transportation Services team on Monday, October 27, 2025. She brings extensive experience in transportation and urban planning, along with a strong passion for improving multimodal transportation systems and accessibility for all road users. The finalization of the sidewalk and bicycle-lane-fund project criteria is expected to be completed by the end of November 2025.

Sidewalk Heat Intensity:

During the July Mobility meeting, Committee Member Penn raised concerns regarding the heat intensity of sidewalks. Urban environments often create heat islands due to their dense infrastructure, which absorbs and retains solar heat more effectively than natural landscapes. Factors contributing to this phenomenon include reduced vegetation, the absorption of heat by urban material properties, building geometry, and heat generated from human activities. The resulting temperature differences between urban areas and their surroundings can lead to significant discomfort, especially during hot days, when surfaces like concrete and asphalt can reach temperatures much higher than the surrounding air. To mitigate the effects of heat islands, implementing reflective coatings and using lighter-colored concrete can significantly lower surface temperatures and improve aesthetic appeal. However, these options may entail additional costs such as high maintenance for reflective materials and significantly higher expenses for colored concrete pigments.

Modifying the concrete-mix color standards for sidewalks and multi-use paths could significantly increase project budgets by 50 to 60%, potentially delaying current city projects and limiting future critical sidewalk initiatives due to higher costs. To avoid these financial implications and facilitate the completion of more projects, staff recommends maintaining the regular concrete mix for sidewalks in the City of Denton, as changes may also lead to increased expenses for future developers.

TIRZ Public/Private Partnerships:

During the September Mobility meeting, Council Member Beck inquired if the City of Denton Tax Increment Reinvestment Zone (TIRZ) allows for Public/Private Partnerships, specifically for Bollards. Bollard's can be funded by the TIRZ #1 Fund. Included below are excerpts from the TIRZ #1 Project and Financing Plan which designates guidelines for funding by category, specifically infrastructure.

Open Space, Park and Recreation Facilities and Improvements, Public Facilities and Improvements: Public open space is an important amenity in a Downtown area. In accordance with Sec. 311.008(4B), TIRZ funds may be used to acquire, construct, reconstruct, or install public works, facilities, or sites or other public improvements. Costs of design, improvements, and land acquisition are TIRZ eligible expenses and can be funded from this category. City Council adopted the Denton Parks, Recreation, Trails System Master Plan on March 1, 2022. This plan will guide the department over the next ten years. The creation of the Master Plan involved strategically examining the community's existing services, facilities, and resources and assessing future needs concerning parks, recreation, open space, and greenways. TIRZ funds in this category can be used to support projects that implement the many components the Master Plan in addition to the 2024

Design Downtown Denton Plan Final Report recommendations including activating Quakertown Park, pocket parks, and a southern downtown park.

Transit/Parking Improvements: Parking structures, whether newly constructed or existing, may be utilized to encourage denser development and support public access to commercial, residential, and retail developments at future mixed-use or transit-oriented developments. Parking includes, but is not limited to, parking garages; surface parking; parking lighting; parking signage and wayfinding, parking meters/kiosks and electrical charging stations. This project category was designed to provide adequate public facilities for transportation and to foster Transit Oriented Development (TOD) that will occur as a result of the planned transit station that will link Denton with passenger rail service to the City of Carrollton, where riders can transfer to the Dallas Area Rapid Transit (DART) system into the Dallas/ Fort Worth metroplex. The goal is to create compact, walkable, pedestrian-centered developments to enhance and act as a catalyst to spur additional development and redevelopment in the district.

Street and Intersection Improvements: The TIRZ will encourage the construction of “Complete Streets”, which are “multi-functional, pedestrian-oriented, aesthetically-pleasing, and safe and inviting for residents and visitors. “Improving the use of Downtown Denton’s streets is essential for fostering a safer, more inclusive, and lively city core,” according to the Design Downtown Denton Plan Final Report adopted by the City Council of the City of Denton on September 17, 2024. Elements of complete streets include the building to building improvements which may encompass: sidewalks, shared travel lanes (e.g. bus and bicycle), parallel and angled parking, pedestrian crosswalks, pedestrian and emergency bulb (American with Disabilities Act (ADA) accessibility), awnings, street improvements, planters, pedestrian street furniture, bike racks and pedestrian lighting.

EXHIBITS

Exhibit 1 – Staff Memorandum

Exhibit 2 – Sidewalk Heat Intensity



Staff Memo: Sidewalk Heat Intensity

October 10, 2025

Introduction

Urban environments, characterized by an abundance of buildings, roads, multi-use paths, and various types of infrastructure, tend to trap and release solar heat more effectively than natural landscapes like forests and lakes. Consequently, cities become distinctive "islands" of elevated temperatures when compared to their surrounding regions. These thermal phenomena, known as "heat islands," can manifest under various circumstances, occurring at any time of day or night, and can be present in both large metropolitan areas and smaller suburban developments. They arise regardless of geographical location, whether in northern or southern climates, and can appear in any season, highlighting the significant impact of urbanization on local climate patterns.

Causes of Heat Islands

Heat islands refer to the temperature differences between urban areas and their surroundings, with some regions being warmer due to heat-retaining structures. Intra-urban heat islands highlight that urban parks, ponds, and residential areas generally have cooler temperatures compared to city centers. This phenomenon emphasizes the cooling benefits of green spaces in cities and could be influenced by the following elements:

- **Reduced Natural Landscapes in Urban Areas**

Vegetation, trees, and water bodies help cool the atmosphere through shade and moisture. In urban areas, impermeable surfaces such as roads and buildings contribute to higher temperatures by reducing shade and moisture.

- **Urban Material Properties**

Urban materials, such as pavements and roofing, absorb more heat and reflect less solar energy than natural elements, leading to heat islands that intensify at night as heat is released.

- **Urban Geometry**

The layout and density of buildings in urban areas affect wind flow and heat retention in materials. Narrow streets and high-rise structures can create urban canyons that block airflow and diminish natural cooling.

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- **Heat Generated from Human Activities**

Cars, air conditioning systems, structures, and industrial plants all release heat into urban areas. This human-generated waste heat can contribute to the creation of heat island effects.

- **Weather and Geography**

Calm and clear weather can intensify heat islands by trapping solar energy in urban areas, while strong winds and clouds can mitigate this effect. Geographical factors, like nearby mountains, can also influence wind patterns and heat distribution in cities.

How Sidewalk and Pavement Surfaces Get Hot

Surface heat islands form because urban surfaces such as roadways and rooftops absorb and emit heat to a greater extent than most natural surfaces. On a warm day, conventional roofing and sidewalk materials may reach as much as 66°F warmer than the surrounding air temperatures. Surface heat islands tend to be most intense during the day when the sun is shining. Exhibit 1 illustrates the heat island effect in various uses.

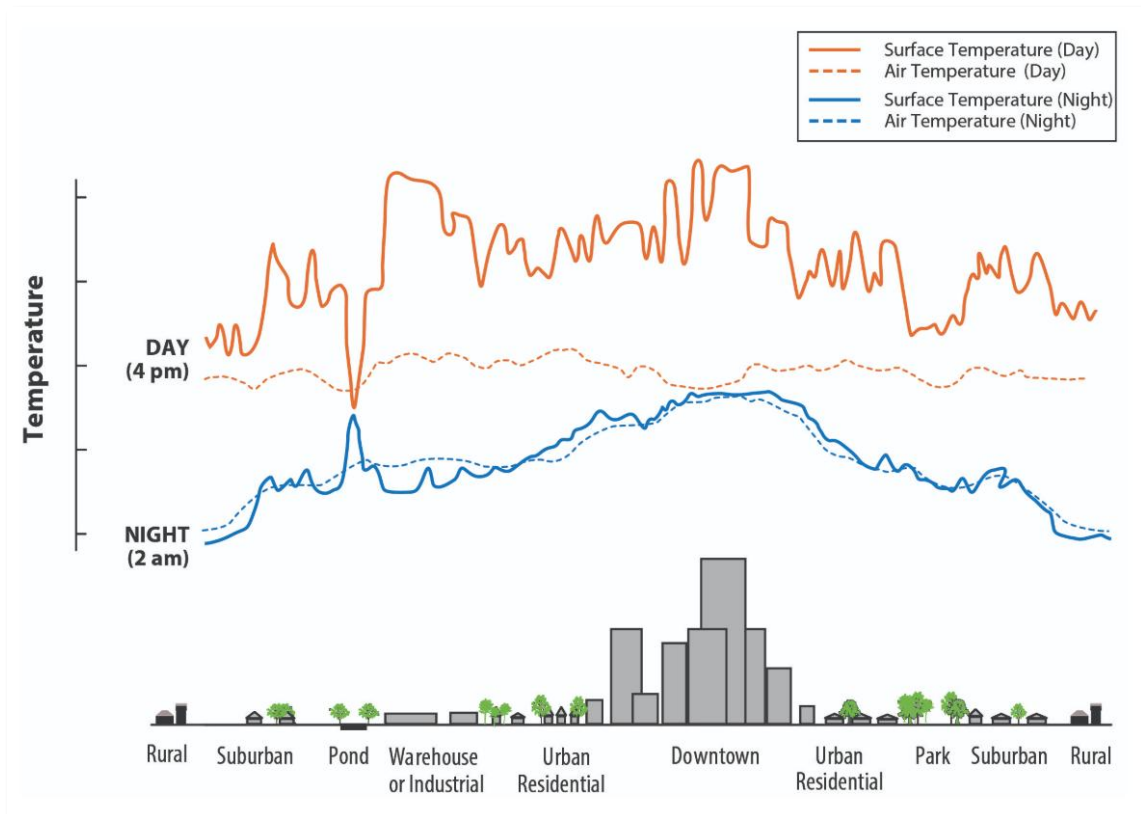


Exhibit 1 – Heat Island Effect Diagram

Source: [What are Heat Islands?](#) United States Environmental Protection Agency

Some of the contributing factors for surface heat islands are listed below:

- **Concrete has a low specific heat**, meaning it takes very little energy to increase its temperature. Concrete, asphalt, and other common paving materials all warm up quickly.
- **These materials also hold on to heat for a long time**, so once concrete is hot, it stays hot for quite a while.
- **Concrete is often placed where it receives full sunlight**— Concrete surfaces like pavements and sidewalks can reach temperatures near 150°F in hot, sunny areas, retaining heat for hours after the air cools. This results from their constant exposure and thermal properties.

Options for Lower Surface Temperatures

- Reflective coatings, such as lighter-colored sealcoats and specialized chemicals, enhance solar reflectance on pavements and sidewalks. This can effectively lower surface temperatures by 10–15°F, but due to its short lifecycle, it could add high maintenance costs.
- Changing the color of concrete can enhance its aesthetic appeal and thermal efficiency by reflecting more sunlight. However, this option is primarily applicable to new constructions and may involve extra costs for pigments.

Discussion

- Light-colored concrete is widely recognized for its exceptional ability to reflect a significant amount of sunlight, resulting in lower heat absorption compared to darker materials. This distinctive property is quantified using the Solar Reflectance Index (SRI), a measurement that adheres to the standards outlined by the American Society for Testing and Materials (ASTM) E1980-24.
- A higher SRI value indicates better solar energy reflection, which helps cool surfaces in urban areas. For example, traditional gray concrete has an SRI of about 35, while asphalt has an SRI of 0, making it much less effective at reflecting sunlight. This difference underscores the energy efficiency of colored concrete, which can help reduce urban heat islands and lower cooling costs for buildings.
- Using concrete with a higher SRI rating lowers surface temperatures and helps reduce the heat island effect, which contributes to urban warming. By choosing SRI-rated colors, urban planners and builders can improve energy efficiency and support a more sustainable environment. Exhibit 2 illustrates selected SRI-rated colors that could be mixed in concrete for better energy efficiency.



Exhibit 2 – SRI-Rated Colors for Better Energy Efficiency

Cost of Implementing Colored Sidewalks

Adding color to concrete usually costs more than standard options. This is mainly due to the need for special pigments that improve appearance and heat reflectivity. Additionally, the labor involved in mixing and applying these colors can also raise costs.

The Transportation Services staff contacted the City's approved contractor to inquire about the cost difference between using regular concrete and colored concrete for sidewalk construction and ADA improvements. According to the preliminary estimate provided by the contractor, the cost of a regular concrete sidewalk is \$11 per square foot. In contrast, a colored concrete sidewalk may cost between \$16 and \$18 per square foot, depending on the type and quality of the color pigment selected. This represents an additional cost of 50-60% per square foot for the project, excluding any additional retrofits that may be required based on the project's complexity.

Staff Recommendations

- Changes to the concrete-mix color standards for sidewalks and multi-use paths could raise project budgets by 50 to 60%. This increase may delay ongoing city projects and potentially reduce the number of future critical sidewalk projects because of the additional cost implications. Sticking to the regular concrete mix would allow for more projects to be completed.
- Modifying the colored concrete mix may also impart additional costs for future developers.
- Staff recommends that no changes be made to the color of concrete on City of Denton sidewalks.

References [Hyperlinks]

- [What are Heat Islands?](#) United States Environmental Protection Agency, Accessed on October 10, 2025
- Akbari, H; Levinson, R; Berdahl, P . [ASTM standards for measuring solar reflectance and infrared emittance of construction materials and comparing their steady-state surface temperatures.](#)", Energy & Environment Division, Lawrence Berkeley National Laboratory, University of California, Berkeley, CA 94720, Aug. 1996
- Stewart, I., Mills, G., [The Urban Heat Island: A Guidebook](#), Elsevier, 2021

Respectfully Submitted.

Farhan Butt, Ph.D., P.E., M. ASCE

Deputy Director, Transportation Services



City of Denton

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AGENDA INFORMATION SHEET

DEPARTMENT: Capital Projects

DCM: Cassey Ogden

DATE: October 22, 2025

SUBJECT

Receive a report, hold a discussion, and give staff direction regarding future meeting topics.

BACKGROUND

The Future Items Matrix lists future meeting topics based on previous Committee discussion and direction.

DIRECTION

- Approval to Remove Previous Meeting Topics
- Guidance on New Future Meeting Topics

EXHIBITS

Exhibit 1 – Agenda Information Sheet

Exhibit 2 – Future Items Matrix

Respectfully submitted:
Seth Garcia, PMP
Director of Capital Projects

Future Items Matrix

Identified Items of Interest for Future Staff Report Updates or Agenda Item Presentation

No.	DATE REQUESTED	ITEM	ITEM TYPE	STAFF COMMENTS	REQUEST TO REMOVE
1	July 26, 2023	Citywide Parking Study	Presentation	Update will be provided when available.	
2	September 25, 2024	Growing the Bike Bus Programs	Staff Memo	Update provided in the Staff Memo on June 25, 2025.	
3	February 26, 2025	Sidepath Work Plan Update	Staff Memo	Update will be provided when available.	
4	March 26, 2025	Bike Funds Project Criteria	Staff Memo	Update provided in the Staff Memo on October 22, 2025.	
5	June 25 2025	Evers Parkway Area Parking	Staff Memo	Update provided in the Staff Memo on October 22, 2025.	Yes
6	July 30, 2025	Sidewalk Heat Intensity	Staff Memo	Update provided in the Staff Memo on October 22, 2025.	Yes
7		Mobility Plan Introduction	Presentation	Update presented on October 22, 2025.	
8	August 27, 2025	Cost to Ride GoZone	Staff Memo	Update will be provided when available.	
9	August 27, 2025	Transit 2.0	Staff Memo	Update will be provided when available.	
10	August 27, 2025	Development Code Update	Staff Memo	Update will be provided when available.	
11	September 24, 2025	TIRZ Public/Private Partnership	Staff Memo	Update provided in the Staff Memo on October 22, 2025.	Yes

Reoccurring Meeting Items

No.	Reoccurrence Frequency	ITEM	ITEM TYPE	LAST UPDATE
1	Quarterly	Transportation/Mobility Project Status Report	Presentation	October 22, 2025
2	Quarterly	Construction and TRiP Report	Staff Memo	August 27, 2025
3	Semiannual	Transportation Services Report	Staff Memo	August 27, 2025
4	Annual	Total Lane Miles	Presentation	Update for FY24 provided in the Staff Memo on March 26, 2025.