



# City of Denton

City Hall  
215 E. McKinney St.  
Denton, Texas 76201  
[www.cityofdenton.com](http://www.cityofdenton.com)

## Meeting Agenda Mobility Committee

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Wednesday, March 27, 2024

10:00 AM

Council Work Session Room

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After determining that a quorum is present, the Mobility Committee of the City of Denton, Texas will convene in a Regular Meeting on Wednesday, March 27, 2024 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. [MC24-005](#) Consider approval of the minutes of February 28, 2024.

Attachments: [Exhibit 1 - Minutes](#)

- B. [MC24-007](#) Receive a report and hold a discussion regarding the City of Denton Transportation/Mobility Project Status Report.

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

- C. [MC24-001](#) Receive a report and hold a discussion regarding Bike Lanes - A Practical Perspective on the U.S. Best Practice.

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

- D. [MC24-006](#) Staff Memorandum  
Quarterly Construction Report  
Interchange of 380/Loop 288 and Sage Owner's Escrow  
Temporary Lighting on McKinney Street  
Lighting on US 380/Loop 288  
Lighting and Landscaping for Construction Projects  
Regulations on Sidepath Widths, Sidepath on FM 1515 and Parks Trail Connectivity

Attachments: [Exhibit 1 - Staff Memorandum](#)  
[Exhibit 2 - Construction Report Schedule](#)  
[Exhibit 3 - Future Items for Mobility Committee Meeting for 2024](#)

### 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 March 22, 2024, in advance of the 72-hour posting deadline, as applicable, and in accordance with Chapter 551 of the Texas Government Code.

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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 48 HOURS 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

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## Legislation Text

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**File #:** MC24-005, **Version:** 1

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### **AGENDA CAPTION**

Consider approval of the minutes of February 28, 2024.



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

City Hall  
215 E. McKinney Street  
Denton, Texas  
[www.cityofdenton.com](http://www.cityofdenton.com)

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**Wednesday, February 28, 2024**

**10:00 AM**

**City Council Chambers**

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After determining that a quorum was present, the Mobility Committee of the City of Denton, Texas convened in a Regular Meeting on Wednesday, February 28, 2024, 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, Mayor Pro Tem Beck, Council Member McGee, Kristine Bray, and Suzanne Rumohr participated in the meeting.

**REGULAR MEETING**

**1. Public Comment Section**

No citizens requested to speak.

**2. Individual Consideration**

**A. MC24-002** Receive nominations and elect a Committee Chair and Vice-Chair.

Mayor Pro Tem Beck motioned to elect Council Member Byrd as Chair; seconded by Suzanne Rumohr; motion carried.

Ayes: (5) Mayor Pro Tem Beck, Council Member Byrd, Council Member McGee, Kristine Bray, and Suzanne Rumohr

Nays: (0)

Council Member McGee; motioned to elect Mayor Pro Tem as Vice-Chair; seconded by Kristine Bray; motion carried.

Ayes: (5) Mayor Pro Tem Beck, Council Member Byrd, Council Member McGee Kristine Bray, and Suzanne Rumohr

Nays: (0)

**B. MC24-003** Receive a report, hold a discussion, and approve the Mobility Committee 2024 meeting schedule.

Council Member McGee motioned to approve the schedule as presented; seconded by Vice-Chair, Mayor Pro Tem Beck; motion carried.

Ayes: (5) Chair, Council Member Byrd, Vice-Chair, Mayor Pro Tem Beck, Council Member McGee, Kristine Bray, and Suzanne Rumohr.

Nays: (0)



- C. MC24-004** Receive training and hold a discussion regarding the roles and responsibilities of the Mobility Advisory Committee and new member orientation.

Cassandra Ogden, Assistant City Manager, presented the roles and responsibilities of the Mobility Advisory Committee and new member orientation. No direction was provided as the item was for informational purposes only.

- D. MC23-078** Receive a report and hold a discussion regarding the City of Denton Transportation/Mobility Project Status Report.

John Polster, President of Innovation Transportation Solutions, shared updates regarding the City of Denton Transportation/Mobility Project Status Report, and discussion followed. No direction was provided as the item was for informational purposes only.

- E. MC23-080** Receive a report and hold a discussion regarding the Transportation Services Division Quarterly Report.

Dr. Farhan Butt, Deputy Director of Transportation Services, shared updates regarding the Transportation Services Division Quarterly Report, and discussion followed. No direction was provided as the item was for informational purposes only.

- F. MC24-001** Receive a report and hold a discussion regarding Bike Lanes – A Practical Perspective on the U.S. Best Practice.

ITEM WAS NOT PRESENTED, CHAIR, COUNCIL MEMBER BYRD IS REQUESTING THIS ITEM BE POSTPONED UNTIL THE MARCH 27, 2024 MOBILITY MEETING DUE TO TIME CONSTRAINTS.

- G. MC23-079** Staff Memorandum

ITEM WAS NOT PRESENTED, CHAIR, COUNCIL MEMBER BYRD IS REQUESTING THIS ITEM BE POSTPONED UNTIL THE MARCH 27, 2024 MOBILITY MEETING DUE TO TIME CONSTRAINTS.

1. Quarterly Construction Report
2. Lighting and Landscaping for Construction Projects
3. Interchange of 380/Loop 288
4. Signage for Bicycles
5. Regulations on Sidepath Widths

## **CONCLUDING ITEMS**

### **Future Items to Bring Forward:**

1. Bike Lanes
2. Quarterly Construction Report
3. Interchange of 380/Loop 288 and Sage Oak Owner's Escrow
4. Temporary Lighting on McKinney Street
5. Lighting on U.S. 380/Loop 288
6. Lighting and Landscaping for Construction Projects
7. Signage for Bicycles
8. Regulations on Sidepath Widths, Sidepath on FM 1515 and Parks Trail Connectivity
9. Bike Racks Rules, Policies, Regulations and Enforcement

10. Increased Traffic Patterns on Woodrow Lane and Morse Street
11. Crossing Concerns between Ryan High and Dollar General
12. Alignment Concerns on Bonnie Brae Street/Loop 288
13. Kings Row and Windsor Cross Access
14. Citywide and Downtown Parking Study
15. Mapping – Sidewalk and Bicycle Corridor
16. Transportation Services Division Report – Q2 2024

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: 11:54 AM**

APPROVED

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Council Member Byrd,  
Chair

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Jazmyn Robles  
Management Analyst

Approved on: \_\_\_\_\_



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## Legislation Text

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**File #:** MC24-007, **Version:** 1

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### **AGENDA CAPTION**

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



# City of Denton

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## AGENDA INFORMATION SHEET

**DEPARTMENT:** Capital Projects/Engineering/Public Works

**ACM:** Cassandra Ogden

**DATE:** March 27, 2024

### **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 monthly 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.

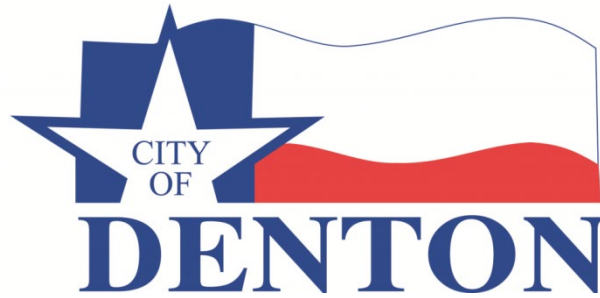
### **EXHIBITS**

Exhibit 1 - Agenda Information Sheet

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

Respectfully submitted:  
Trevor Crain, PMP  
Director of Capital Projects

Prepared by:  
Jazmyn Robles  
Management Analyst



# City of Denton Transportation/Mobility Project Status Report

*Prepared by ITS*

**March 2024**

## PROJECTS

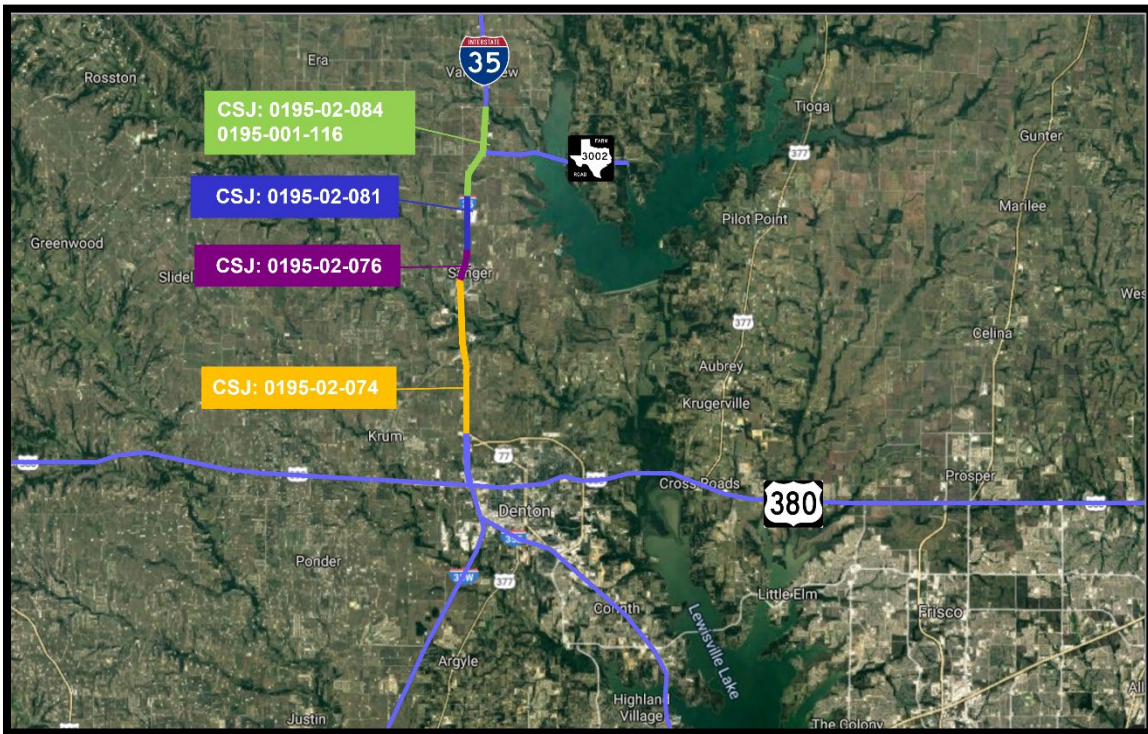
- Project Summary ..... page 2
- I-35 North ..... page 3
- I-35/35E/35W Merge..... page 5
- I-35E/Mayhill ..... page 7
- I-35W Frontage Roads Middle..... page 8
- US 380/US 377..... page 9
- Loop 288 West Frontage Roads ..... page 11
- Loop 288 East-US 380 Connector..... page 12
- Bonnie Brae Segment 7 ..... page 13
- FM 1515 ..... page 14
- FM 1173 ..... page 16
- Outer Loop..... page 18
- Elm and Locust..... page 19
- Glossary of Acronyms ..... page 20
- TxDOT Funding Categories ..... page 21
- Denton City Limits ..... page 22

## PROJECT SUMMARY

PROJECT	LET DATE	CONTRACTOR/ ENGINEER	CONSTRUCTION COST
I-35 North	Various	Stantec	\$801,507,232
I-35/35E/35W Merge	04-2024	AECOM/Stantec	\$480,355,040
I-35E/Mayhill	06-2025	LTRA	\$124,498,919
I-35W Frontage Roads Middle	09-2028	WSP	\$423,776,371
US 380/US 377	06-04-2020	Ragle Construction	\$21,269,537
Loop 288 West Frontage Roads	09-2028	CP&Y	\$220,776,703
Loop 288 East-US 380 Connector	*	Westwood	\$922,000,000
Bonnie Brae Segment 7	*	Westwood	*
FM 1515	*	LTRA	\$34,348,574
FM 1173	*	Halff	\$125,852,145
Outer Loop	*	LJA	\$1,547,212,128
Elm and Locust	02-02-2024	Jagoe Public	\$3,803,760
<b>TOTAL</b>			<b>\$4,705,400,409</b>

# I-35 North

<b>CSJ:</b>	<b>0195-02-074; 0195-02-076; 0195-02-081; 0195-01-116; 0195-02-084</b>	<b>Schematic Approval:</b>	January 31, 2019
<b>Limits:</b>	From US 77 to FM 3002 (Cooke County line)	<b>Environmental Approval:</b>	October 7, 2019
<b>Length:</b>	12.4 miles	<b>ROW Acquisition Complete:</b>	July 2023
<b>Description:</b>	Reconstruct and widen 4- to 6-lane rural freeway with ramp modifications and reconstruct 4- to 4/6-lane frontage roads	<b>Utility Relocations Complete:</b>	-074: March 2025 -081: July 2024 -116: October 2024 -084: October 2024
<b>Est. Construction Cost:</b>	\$801,507,232 -074: \$471,915,463 -081: \$175,274,676 -116: \$84,802,066 -084: \$69,515,027	<b>100% Plans:</b>	-074: March 2024 -081: <b>March 2024</b> -116: March 2024 -084: March 2024
<b>Funding:</b>	\$801,507,230 CAT 4: \$220,966,122 CAT 11: \$2,574,631 CAT 12: \$577,966,477	<b>Ready to Let Date:</b>	-074: March 2025 -081: July 2024 -116: October 2024 -084: October 2024
<b>Firm &amp; Key Contact:</b>	Stantec	<b>Let Date:</b>	-074: July 2026 -081: December 2024 -116: December 2027 -084: December 2027
<b>TxDOT PM:</b>	Dawit Abraham		



## Current Activity:

- **PS&E:** Work on the 100% PS&E plan set for the -074 CSJ is underway. Work on the 100% PS&E plan set for -081 plan is underway. Work on the 100% PS&E plan set for -084 CSJ is underway.
- **Utilities:** 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**

- **Atmos Distribution:** Pending easements prior to construction start. Anticipate clearance in May 2024.
- **AT&T:** Pending utility agreement. Anticipate start of construction in March 2024. Anticipate clearance in July 2024.
- **Bolivar Water:** Design and utility agreement pending.
- **Brazos Electric:** Anticipate clearance in October 2024.
- **CenturyLink/Brightspeed:** Pending final design. Utility agreement pending.
- **CoServ:** Agreement pending. Anticipate start of relocations in March 2024. Anticipate clearance in June 2024.
- **City of Denton:** Clear
- **Frontier:** Pending utility agreement.
- **Lumen/Level 3:** Design reviewed. Pending utility agreement.
- **MCI/Verizon:** Pending utility agreement. Anticipate start of relocations in March 2024. Anticipate clearance in June 2024.
- **Nortex:** Design and utility agreement pending. Anticipate start of construction in May 2024 and clearance in August 2024.
- **OneOK:** Utility agreement pending. Construction schedule pending.
- **Sanger Electric:** Relocations underway. Anticipate clearance in May 2024.
- **Sanger Water/Wastewater:** Relocations underway. Anticipate clearance in November 2024.
- **Suddenlink/Altice:** Design and utility agreement pending. Anticipate start of relocations at end of March 2024.
- **UTRWD:** Design and utility agreement finalized. Anticipate start of relocations in March 2024. Anticipate clearance in November 2024.
- **Zayo:** Utility agreement pending. Relocations expected to begin in March 2024. Anticipate clearance in May 2024.

### **IH-35 from North of FM 455 to View Road; CSJ: 0195-02-081**

- **Bolivar Water:** Design and utility agreement pending.
- **Brightspeed/Centurylink:** Design and utility agreement pending.
- **Lumen/Level 3:** Design and utility agreement pending; expected in March 2024.
- **MCI/Verizon:** Design and utility agreement pending.
- **Nortex:** Design and utility agreement pending.
- **Sanger Electric:** Anticipate clearance in May 2024.
- **Sanger Water/Wastewater:** Design and utility agreement finalized. Anticipate start of construction in March 2024. Anticipate clearance in December 2024.
- **Zayo:** Design finalized. Utility agreement pending.

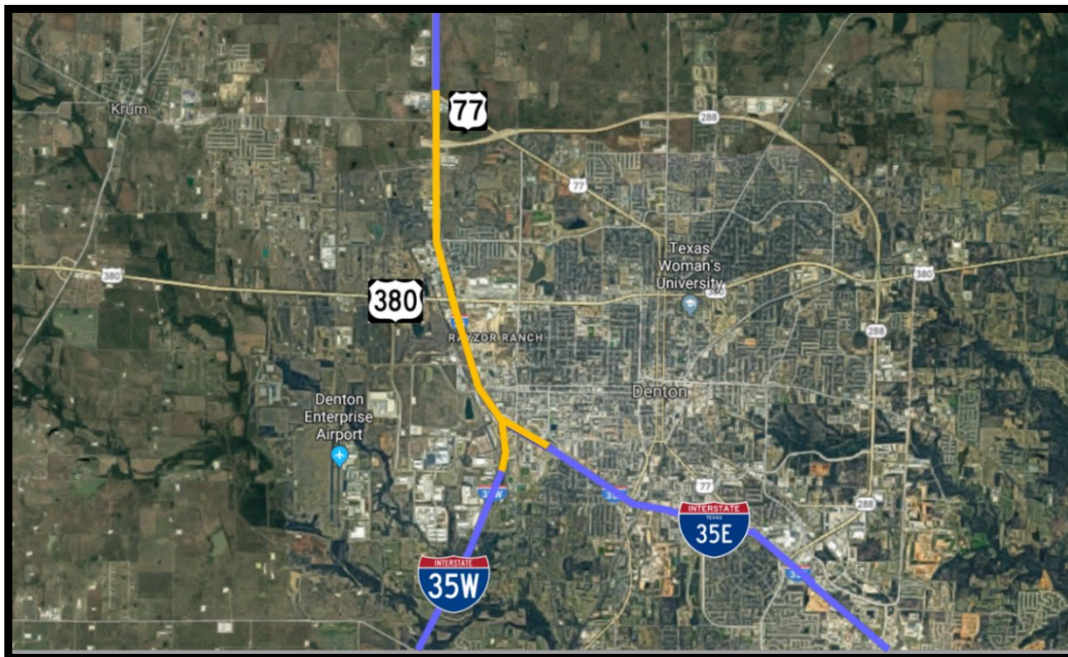
### **IH-35 from View Road to Cooke County Line (FM 3002); CSJ: 0195-02-084**

- **AT&T:** Design and utility agreement pending; expected in March 2024.
- **Bolivar WSC:** Design and utility agreement pending; expected in March 2024.
- **CoServ Electric:** Design finalized. Utility agreement pending. Anticipate start of construction in March 2024. Anticipate clearance in June 2024.
- **Level3/Lumen:** Final design and utility agreement pending.
- **MCI/Verizon:** Design utility agreement pending; expected in March 2024.
- **Nortex:** Design and utility agreement pending.
- **Oncor:** Design finalized. Utility agreement pending. Anticipate start of construction in April 2024. Anticipate clearance in June 2024.
- **Zayo:** Design finalized. Utility agreement pending.



## I-35/35E/35W Merge

<b>CSJ:</b>	0195-03-099 (N Texas Blvd to I-35E/W) 0195-03-090 (I-35E/W to US 380) <b>0195-03-087</b> (US 380 to US 77)	<b>Schematic Approval:</b>	-090: August 2011 -087: January 31, 2019
<b>Limits:</b>	From North Texas Blvd to US 77 north of Denton	<b>Environmental Approval:</b>	-090: June 2017 -087: October 7, 2019
<b>Length:</b>	5.073 miles	<b>ROW Acquisition Completed:</b>	May 2022
<b>Description:</b>	Reconstruct interchange and existing frontage roads; reconstruct and widen to 6/8-lane rural freeway with ramp modifications	<b>Utility Relocations Complete:</b>	June 2024
<b>Est. Construction Cost:</b>	\$480,355,040 -099: \$85,215,324 -090: \$161,782,386 -087: \$233,357,330	<b>City of Denton Utility Relocations Complete:</b>	June 2024
<b>Funding:</b>	\$480,355,041 CAT 2: \$65,978,054 CAT 4: \$75,042,004 CAT 12 (Strategic Priority): \$219,334,983 CAT 12 (Texas Clear Lanes): \$120,000,000	<b>100% Plans:</b>	January 2024
<b>Firm &amp; Key Contact:</b>	AECOM (-090); Stantec (-087)	<b>Let Date:</b>	April 2024
<b>TxDOT PM:</b>	Dawit Abraham	<b>Construction Start:</b>	*



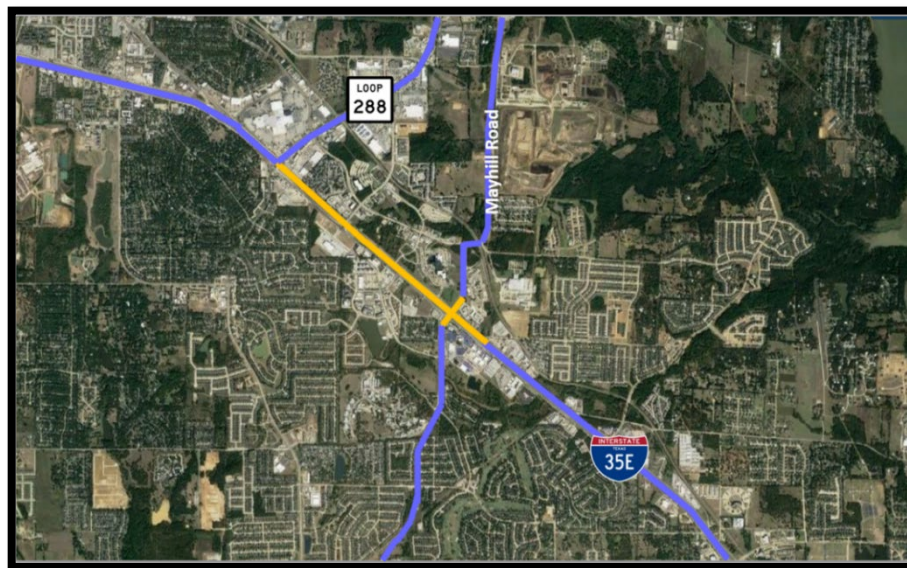
### Current Activity:

- **PS&E:** The signed and sealed plan set was submitted to TxDOT. **Plans are in Austin and being processed for letting.**
- The AFA with the City of Denton for aesthetics has been fully executed.
- **Utilities:** Utilities that are clear of construction: Brazos Valley Electric, CoServ Electric, and DME Transmission.
- Status of utilities in conflict is listed below.
  - AT&T: Agreements executed. Install dependent on joint duct bank. Anticipate clearance in June 2024.

- Atmos Distribution: Relocations underway. Anticipate clearance in April 2024.
- Atmos Transmission: Agreement pending. Relocations underway. Anticipate clearance in April 2024.
- Charter-Spectrum: Utility agreements pending. Install dependent upon joint duct installation. Anticipate clearance in June 2024.
- City of Denton Water/Wastewater: Relocations are underway. Anticipate completion in June 2024.
- CoServ Electric: Clear
- DME Distribution: Relocations underway. Anticipate clearance in June 2024.
- Fiberlight: Relocations underway. Anticipate completion in June 2024.
- Frontier: Agreements pending. Install dependent upon joint duct installation from Lumen. Anticipate clearance in June 2024.
- Level 3/Lumen: Agreements executed. Relocations underway. Anticipate completion in June 2024.
- UPN: Anticipate clearance in March 2024.
- Verizon Business/MCI: Utility agreement pending. Install dependent upon joint duct installation from Lumen and Fiberlight.
- Zayo: Relocations underway. Joint facilities with Fiberlight. Anticipate completion in April 2024.

# I-35E/Mayhill

<b>CSJ:</b>	0196-01-109	<b>Schematic Approval:</b>	February 2011
<b>Limits:</b>	I-35E intersection with Mayhill from Pockrus Page Rd to Loop 288	<b>Environmental Clearance:</b>	January 31, 2012
<b>Length:</b>	1.912 miles	<b>ROW Acquisition Completed:</b>	November 2022
<b>Description:</b>	Reconstruct interchange at Mayhill and I-35E and existing 4-lane frontage roads	<b>Utility Relocations Complete:</b>	November 2024
<b>Est. Construction Cost:</b>	\$124,498,919	<b>City of Denton Utility Relocations Completed:</b>	February 2024
<b>Funding:</b>	\$124,498,919 CAT 2: \$114,498,919 CAT 4: \$10,000,000	<b>100% Plans:</b>	December 2022
<b>Firm &amp; Key Contact:</b>	LTRA, Tyler Martin	<b>Ready to Let Date:</b>	November 2024
<b>TxDOT Project Manager:</b>	Don Vo	<b>Let Date:</b>	June 2025



## Current Activity:

- **Utilities:** Utilities currently clear of construction: CoServ Gas, City of Denton, City of Denton Wastewater, NGG, Oncor, and United Private Networks.
  - Astound (formerly Grande): Construction pending Frontier joint duct install.
  - Atmos Gas: Relocations underway. Anticipate completion in August 2024.
  - AT&T: Dependent upon Frontier completing joint duct. Anticipate completion in June 2024.
  - CenturyLink/Lumen: Permit approved. Agreement pending.
  - Charter/Spectrum: Utility agreement pending. Construction dependent upon Frontier completing joint duct and DME pole installation. Anticipate completion in November 2024.
  - DME: Relocations underway. Anticipate clearance in October 2024.
  - DISD: Design pending. Agreement pending. Anticipate completion in May 2024.
  - Frontier: Agreement pending with TxDOT Dallas District. Frontier is critical path.
  - Level 3/Lumen: Agreement executed. Construction schedule pending, dependent upon Frontier joint duct bank.
  - Zayo: Construction dependent upon Frontier completing joint duct.



# I-35W Frontage Roads Middle

<b>CSJ:</b>	0081-13-071	<b>Schematic Approval:</b>	March 20, 2020
<b>Limits:</b>	From 0.7 miles south of FM 407 to FM 2449	<b>Environmental Clearance:</b>	June 30, 2020
<b>Length:</b>	6.76 miles		
<b>Project Description:</b>	Construct frontage roads	<b>ROW Acquisition Complete:</b>	June 2024
<b>Est. Construction Cost:</b>	\$423,776,371	<b>Utility Relocations Complete:</b>	September 2025
<b>Funding:</b>	*	<b>100% Plans:</b>	December 2024
<b>Firm:</b>	WSP	<b>Ready to Let Date:</b>	September 2025
<b>TxDOT Contact:</b>	Gutema Gebriel	<b>Let Date:</b>	*

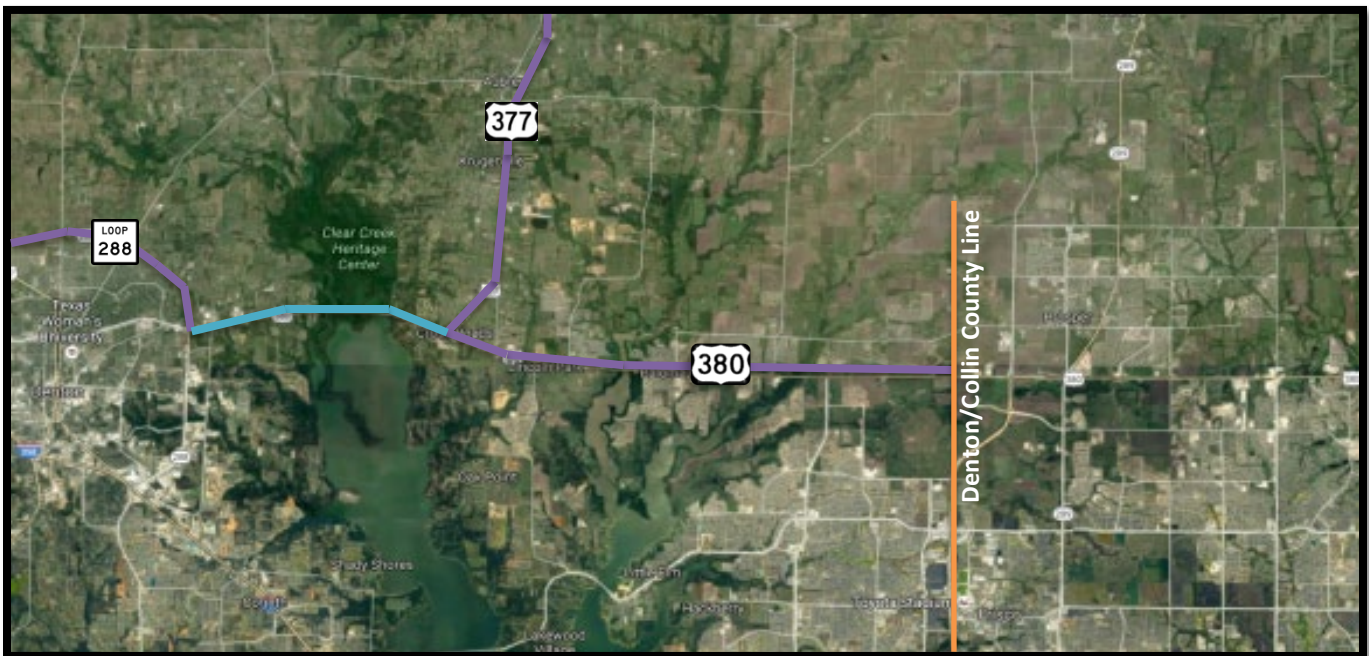


## Current Activity:

- **PS&E:** TxDOT reviewed 95% plan set and provided comments to WSP on March 1, 2024. WSP is addressing comments.
- **ROW:** There are 57 parcels to acquire. There are: 2 parcels in appraisal, 20 parcels in ED, and 35 parcels acquired.
- **Utilities:** Area Office has begun efforts for utility coordination. The following utilities have begun preliminary review of design or are in design to remove conflicts with construction: Astound, Atmos/Grande, CoServ Electric, Charter/Spectrum, Enlink, Fiberlight, Frontier, Hunter Pipeline, Lumen/Level 3, Onesource, UTRWD, and Zayo.

## US 380/US 377

<b>CSJ:</b>	0135-10-057	<b>Schematic Approval:</b>	April 24, 2017
<b>Limits:</b>	from Loop 288 to US 377	<b>Environmental Clearance:</b>	June 29, 2018
<b>Length:</b>	4.27 miles	<b>ROW Acquisition Complete:</b>	March 2020
<b>Description:</b>	Widen existing roadway from 4/6-lane to 6-lane divided with intersection improvements	<b>Utility Relocations Complete:</b>	September 2020
<b>Construction Cost:</b>	\$21,269,537	<b>100% Plans:</b>	January 2020
<b>Funding:</b>	\$20,616,014 CAT 2: \$17,839,014 CAT 3 (local): \$95,000 CAT 5: \$665,000 CAT 11: \$2,017,000	<b>Let Date:</b>	June 4, 2020
<b>Engineering Firm:</b>	White Oak and TranSystems	<b>Construction Completion:</b>	April 2024
<b>TxDOT Project Manager:</b>	Branden Barnett		



### Current Activity:

- **Construction:** Project was awarded to Ragle Construction, Inc. with a low bid of \$21,269,536.66, at 33.15% over the engineer's estimate. There are 800 working days and 39 months of barricades. [See attached TxDOT construction report.](#)
- **City Participation:** TxDOT provided an AFA to the City of Denton for the 10-foot sidewalk component. This AFA notes a fixed cost of \$95,000.00 to be transferred to TxDOT and voids the original agreement executed in September 2017. City council approved same on September 1, 2020. Denton County transmitted an ICA to the City of Denton for its \$55,000.00 participation in this fixed cost contribution. City council approved same on September 1, 2020. Denton County approved ICA on September 15, 2020.

# TxDOT Monthly Project Report

Date of report: March 19, 2024  
Report prepared by: Branden Barnett

Project: **CM 2020 (806)**  
Control: **0135-10-057**  
Highway: **US 377/US 380**  
Limits: From: Loop 288  
To: US 377/US 380 Intersection  
Contractor: **Ragle Construction, Inc.**

TxDOT Project manager: Branden Barnett  
Contractor's Project Manager: Nagesh Kumar  
Contractor's Superintendent: Johnny Pererria

Phone: (214) 392-1791

Date Work Began: January 15, 2021  
Anticipated Completion Date: April 2024

## **Current Activities:**

**Current activities include:** Continue construction of pedestrian rail and striping of roadway.

**Narrative description of last month's activities:** Culvert clean-outs, sidewalks, and median noses.  
Traffic switch to final configuration.

**Narrative description of activities planned for next month:** Continue construction of pedestrian rail and striping of roadway.

**Traffic issues:** Various daily lane closures.

**Plans for changes in traffic patterns:** None

**Item(s) of work currently controlling project completion:** Pedestrian rail and striping.

**Other items of significance:** None



# Loop 288 West Frontage Roads

<b>CSJ:</b>	2250-00-013 (from I-35 to US 380) 2250-00-014 (from US 380 to I-35W)	<b>Schematic Approval:</b>	March 20, 2020
<b>Limits:</b>	From I-35 to I-35W	<b>Environmental Clearance:</b>	September 28, 2020
<b>Length:</b>	9.0 miles		
<b>Description:</b>	Construct frontage roads	<b>ROW Acquisition Complete:</b>	December 2024
<b>Estimated Construction Cost:</b>	\$220,776,703 -013: \$91,050,175 -014: \$129,726,528	<b>Utility Relocations Complete:</b>	April 2026
<b>Funding:</b>	\$3,000,000 CAT 3 \$1,000,000 CAT 7	<b>100% Plans:</b>	June 2024
<b>Firm &amp; Key Contact:</b>	CP&Y, Tom Cochill & Jacob Roberts	<b>Ready to Let Date:</b>	April 2026
<b>TxDOT Project Manager:</b>	Gutema Gebriel	<b>Let Date:</b>	*

## Current Status:

- **Environmental:** Environmental re-eval for John Paine Road extension approval is expected in March 2024 due to request from TxDOT for revisions to Water Features Delineation form.
- **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: 2 parcels in negotiations, 13 parcels in ED, and 5 parcels in possession.
- CP&Y continues coordination regarding additional ROW at Underwood/John Paine connection.
- **PS&E:** CP&Y continued coordinating with TxDOT, City of Denton, and ITS for Underwood construction limits.
- CP&Y continued updating and analyzing 3D models, updating pavement files, creating design waiver exhibit per TxDOT request, creating exhibits for culverts, and updating driveways.
- CP&Y to meet with Dallas Area Office on March 4, 2024, to discuss TCP coordination.
- Pending Level A SUE coordination meetings and pavement design conference.
- CP&Y submitted final Exhibit A on January 26, 2024.
- CP&Y made resubmittal of PBLR on December 19, 2023. CP&Y coordinated with TxDOT and ITS for PBLR approval comments.
- CP&Y continued addressing TxDOT comments from 60% PS&E plan set and continued efforts toward completion of 95% PS&E plan set.
- CP&Y continued drainage efforts.
- **Construction:** The northbound frontage road will be constructed first.



# Loop 288 East-US 380 Connector

<b>CSJ:</b>	2250-02-025; 0135-10-066	<b>Schematic Approval:</b>	January 2025
<b>Limits:</b>	from I-35 to US 380 east of Geesling Road	<b>Environmental Clearance:</b>	July 2025
<b>Length:</b>	8 miles		
<b>Project Description:</b>	Construct Loop 288 frontage roads and grade separations and an improved connector to US 380	<b>ROW Acquisition Completion:</b>	*
<b>Estimated Const. Cost:</b>	\$922M	<b>Utility Relocations Completion:</b>	*
<b>Funding:</b>	*	<b>100% Plans:</b>	*
<b>Firm &amp; Key Contact:</b>	Westwood, Mark Schluter, Mark Zoellner	<b>Ready to Let Date:</b>	*
<b>TxDOT PM:</b>	Nelson Underwood	<b>Let Date:</b>	*



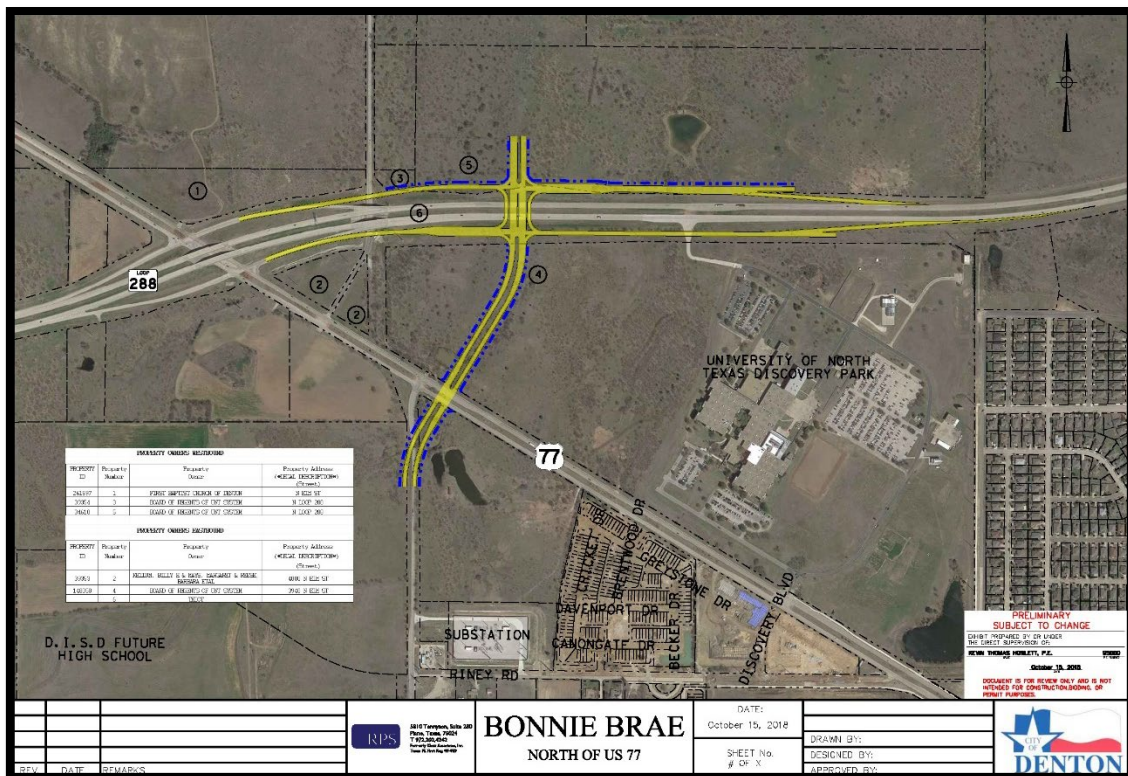
## Current Activity:

- **PS&E:** Connector route has been approved by TxDOT.
- Anticipate completion of schematic for connector section by end of March 2024.
- Right-of-entry letters for survey have been prepared. Right-of-entry for SUE is being sent out to property owners.
- Westwood met with DME on March 4, 2024, to discuss TxDOT decision not to share the roadway right-of-way with DME easement; Westwood is revising alignment to provide minimum 60-foot corridor adjacent to TxDOT ROW for DME power line.
- Westwood is modifying Loop 288 profiles to optimize, as well as to reduce bridge lengths and retaining wall heights.
- Westwood is working on noise analysis to determine length and height of walls.
- Anticipate second public meeting to be held on June 13, 2024.



# Bonnie Brae Segment 7

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

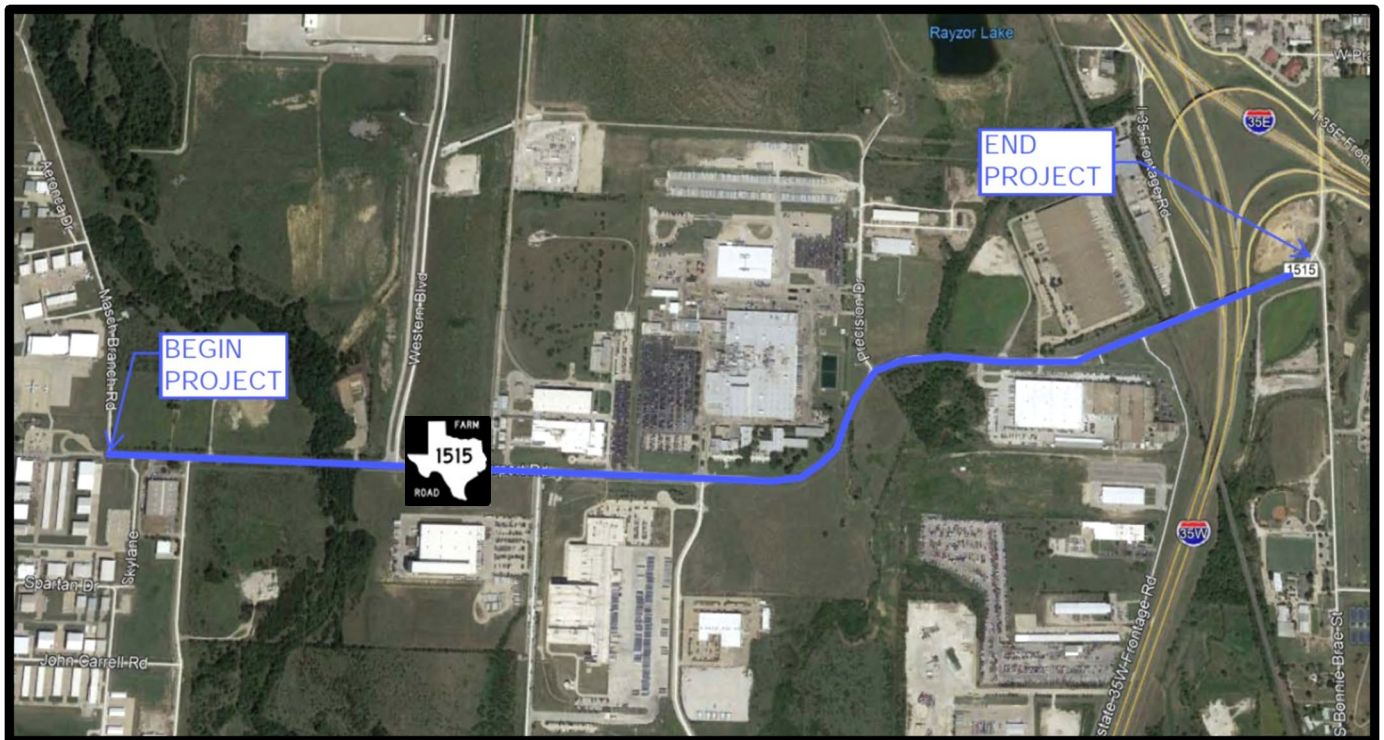


## Current Activity:

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

# FM 1515

<b>CSJ:</b>	1951-01-011	<b>Schematic Re-approval:</b>	October 13, 2021
<b>Limits:</b>	From Bonnie Brae to Masch Branch Road	<b>Environmental Approval:</b>	August 4, 2020
<b>Length:</b>	2.096 miles	<b>Environmental Re-eval:</b>	March 15, 2022
<b>Description:</b>	Widen existing 2-lane rural section to a six-lane divided urban roadway	<b>ROW Acquisition Complete:</b>	July 2023
<b>Est. Construction Cost:</b>	\$34,348,574	<b>Utility Relocations Complete:</b>	June 2025
<b>Funding:</b>	\$500,000 CAT 7	<b>100% Plans:</b>	May 2024
<b>Firm &amp; Key Contact:</b>	LTRA, Tyler Martin	<b>Ready to Let Date:</b>	June 2025
<b>TxDOT Project Manager:</b>	Bryan Esmaili-Doki	<b>Let Date:</b>	*



## Current Activity:

- **PS&E:** Additional 95% comment resolution meeting was held on January 25, 2024, to resolve remaining comments. **Comments are being addressed, and LTRA is working toward the final plan set.**
- **LTRA continues coordinating with I-35W interchange design consultant.**
- **Exhibit A:** CPKC provided additional comments on the revised Exhibit A submittal. Comments have been addressed, and LTRA submitted new Exhibit A for CPKC approval on December 14, 2023.
- **Utilities:** Status of utilities in conflict:
  - Atmos: Preliminary design submitted to TxDOT. Permit and agreement pending.
  - Brightspeed/CenturyLink: Design pending.
  - Charter/Spectrum: Design dependent on overhead design.
  - City of Denton Water/Wastewater: Design pending.

- Denton Municipal Electric: Design submitted to TxDOT; TxDOT reviewed and provided comments. DME making revisions to plans.
- MCI/Verizon: Design pending.
- Oncor: Design pending.
- Targa: Design pending.
- United Private Network: Design pending.



# FM 1173

<b>CSJ:</b>	1059-01-047; 1059-02-002	<b>Schematic Approval:</b>	March 20, 2020
<b>Limits:</b>	From I-35E to FM 156	<b>Environmental Clearance:</b>	August 26, 2021
<b>Length:</b>	3.613 miles	<b>ROW Acquisition Completed:</b>	September 2023
<b>Description:</b>	Widen and realign to 4/6-lane divided urban road	<b>Utility Relocations Complete:</b>	February 2025
<b>Est. Construction Cost:</b>	\$125,852,145 -047: \$62,892,803 -002: \$62,959,342	<b>100% Plans:</b>	September 2024
<b>Funding:</b>	*	<b>Ready to Let Date:</b>	February 2025
<b>Firm &amp; Key Contact:</b>	Halff Associates, Aimee Jones	<b>Let Date:</b>	*
<b>TxDOT PM:</b>	Kwan Lam		



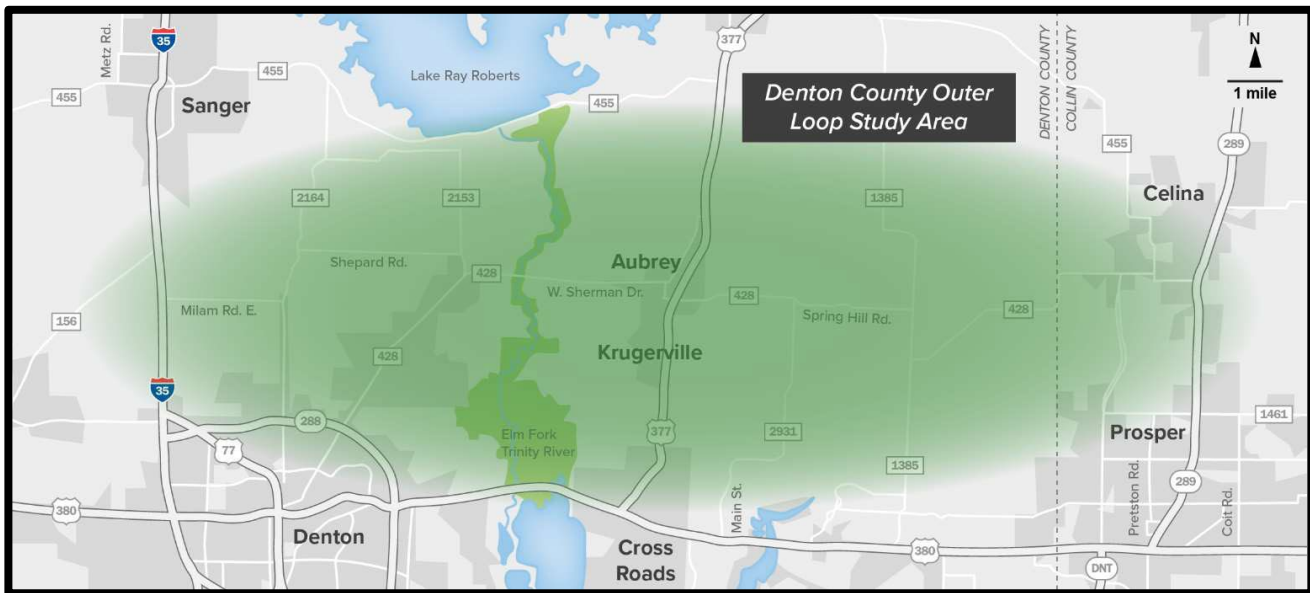
## Current Activity:

- **PS&E:** Halff continued addressing 60% plan review comments and continued efforts toward completion of the 95% plan set. Awaiting direction regarding Hopkins Road realignment coordination and configuration of FM 156 intersection.
- **Utilities:** Halff continued Level A SUE field work. TxDOT has requested additional test holes.
- Status of utilities in conflict:
  - Altice-Suddenlink: Design dependent upon Oncor and CoServ.
  - AT&T: Design estimated in May 2024, dependent upon Oncor and CoServ.
  - Atmos: Design estimated in April 2024.
  - Brightspeed/CenturyLink: Design estimated in March 2024, dependent upon Oncor and CoServ.
  - City of Denton: Design pending.
  - CoServ: Field survey complete. Design pending.

- Fiberlight: Design dependent upon Oncor and CoServ. Utility provider not attending coordination meetings.
- City of Krum: Design pending. Current long lead relocate.
- Oncor: Field survey underway. Preliminary design estimated at the end of March 2024.
- Zayo: Preliminary design estimated end of March 2024.

# Outer Loop

<b>CSJ:</b>	0918-46-341	<b>Schematic Approval:</b>	December 2025
<b>Limits:</b>	From I-35 to the DNT at the Denton County Line	<b>Environmental Clearance:</b>	Summer 2026
<b>Length:</b>	23 miles	<b>ROW Acquisition Complete:</b>	*
<b>Description:</b>	Construct a six-lane controlled access freeway with continuous frontage roads	<b>Utility Relocations Complete:</b>	*
<b>Est. Construction Cost:</b>	\$1,547,212,128	<b>100% Plans:</b>	*
<b>Funding:</b>	*	<b>Ready to Let Date:</b>	*
<b>Firm &amp; Key Contact:</b>	LJA, Tony Kimmey	<b>Let Date:</b>	*
<b>TxDOT Project Manager:</b>	Liang Ding	<b>Construction Start:</b>	*

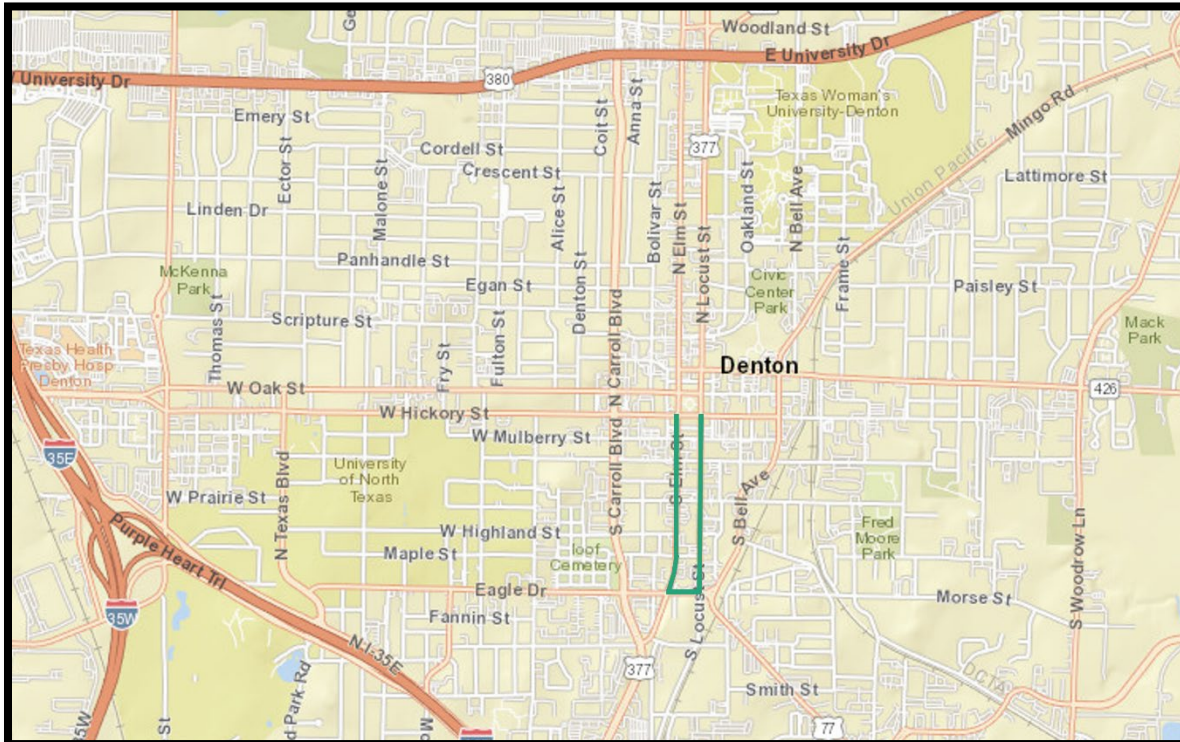


## Current Activity:

- **Design:** LJA is finalizing feasibility studies and beginning to develop 30% schematics on alternative alignments. LJA continues identifying planned developments and constraints within study area. LJA continues analyzing each route according to evaluation criteria and comparing future alternatives.
- LJA is coordinating with NCTCOG, TxDOT, USACE, and other agencies.
- LJA met with Denton County on February 26, 2024, to discuss typical sections.
- LJA is planning future city engagements and analyzing and researching school districts within study area.
- LJA is coordinating aerial photogrammetry and setting control.
- **Utilities:** LJA continues evaluating transmission level utilities within study area and gathering information near refined alignments and coordinating with entities.
- **Other:** Project website is available: [www.DentonCountyOuterLoop.com](http://www.DentonCountyOuterLoop.com).

## Elm and Locust

<b>CSJ:</b>	0196-01-117	<b>100% Plans:</b>	December 2023
<b>Limits:</b>	from Eagle Drive to W Hickory Street	<b>ROW Acquisition Complete:</b>	NA
<b>Description:</b>	Rehabilitate and repair pavement	<b>Utility Relocations Complete:</b>	Included with construction
<b>Est. Construction Cost:</b>	\$3,803,760	<b>Let Date:</b>	February 2, 2024
<b>Funding:</b>	CAT 1: \$3,803,760	<b>Construction Start:</b>	Summer 2024
<b>TxDOT Project Manager:</b>	Branden Barnett	<b>Construction Completion:</b>	*



### Current Activity:

- **Turnback:** City of Denton approved resolution to accompany transfer memo.
- Turnback memo has been approved by TxDOT administration in Austin. Anticipate consideration of turnback memo by Texas Transportation Commission.
- **Construction:** Project let for construction on February 2, 2024. Project was awarded to Jagoe Public, with a low bid of \$3,803,760.40, at 7.91% above engineer's estimate. There are 118 working days and 8 months of barricades. Project has been awarded. Work authorization received on March 20, 2024. TxDOT to schedule a pre-construction meeting.



# Glossary of Acronyms

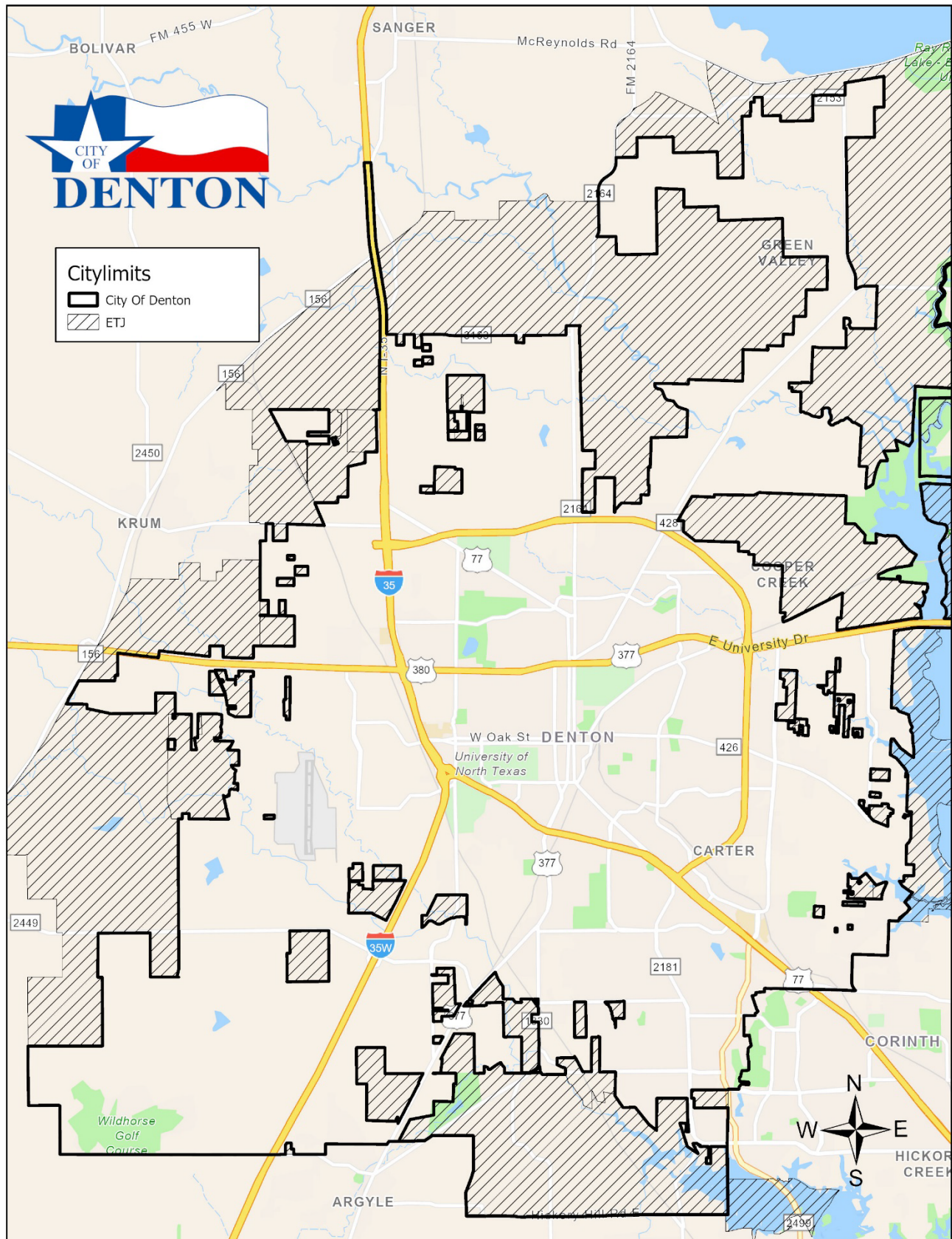
- AADT – Annual Average Daily Traffic
- AFA – Advanced Funding Agreement
- ARPA – Archeological Resources Protection Act
- CE – Categorical Exclusion (environmental clearance process for projects that do not involve significant environmental impacts)
- CLOMR – (FEMA’s) Conditional Letter of Map Revision
- 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

City Hall  
215 E. McKinney St.  
Denton, Texas 76201  
[www.cityofdenton.com](http://www.cityofdenton.com)

## Legislation Text

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**File #:** MC24-001, **Version:** 1

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### **AGENDA CAPTION**

Receive a report and hold a discussion regarding Bike Lanes - A Practical Perspective on the U.S. Best Practice.



# City of Denton

City Hall  
215 E. McKinney Street  
Denton, Texas  
[www.cityofdenton.com](http://www.cityofdenton.com)

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## AGENDA INFORMATION SHEET

**DEPARTMENT:** Development Services

**ACM:** Cassandra Ogden

**DATE:** March 27, 2024

### **SUBJECT**

Receive a report and hold a discussion regarding Bike Lanes – A Practical Perspective on the U.S. Best Practice.

### **BACKGROUND**

Through the Bike/Walk Denton program, the City of Denton works to make active transportation safer and more accessible, ultimately strengthening the community's culture. The foundation of this is the Active Transportation Plan, and the Pedestrian and Bicycle Linkage Component of the Denton Mobility Plan. The City of Denton aims to create a connected network of hiking and bike trails, with on-street routes and multi-use trails, so citizens can ride their bikes or walk to their destinations more safely. The City Bike Plan maps out where bike routes should be located, and the routes facility. These on-street facilities create a safer and more accessible bicycle network. The different facilities used on roads are determined by a variety of factors including speed limit, traffic volume, parking, and road classification. This presentation introduces bicycle lanes, different best practices used in the U.S., and the State's and City jurisdictional perspectives on bicycle lane design and its' implantation standards.

### **EXHIBITS**

Exhibit 1 - Agenda Information Sheet

Exhibit 2 - Presentation

Respectfully submitted:  
Farhan Butt, Ph.D., P.E.  
Deputy Director of Transportation Services





# **Bike Lanes - A Practical Perspective on the U.S. Best Practice**

Transportation Services Division  
Development Services Department

March 27, 2024  
MC24-001



# Outline

Introduction [Types by US Best Practice]

Jurisdictional Perspectives

Way Forward

# Introduction

Bike Lanes are a portion of the roadway designated by striping, signage, and pavement markings for the exclusive use of bicyclists.

The U.S. best practice groups the bike lanes into four distinct types:

1. Conventional Bike Lanes
2. Buffered Bike Lanes
3. Contra-Flow Bike Lanes
4. Left-Side Bike Lanes

# Introduction - Conventional Bike Lanes \*\*

## Merits

- Increases bicyclist comfort and confidence on busy streets.
- Creates separation between bicyclists and automobiles.
- Increases predictability of bicyclist and motorist positioning and interaction.

## Demerits

- Door zones and turning movement conflicts
- Minimal Buffer between the modes of travel

\*\* *Hyperlink [access to detailed discussion on the topic]*



Source: National Association of City Transportation Officials

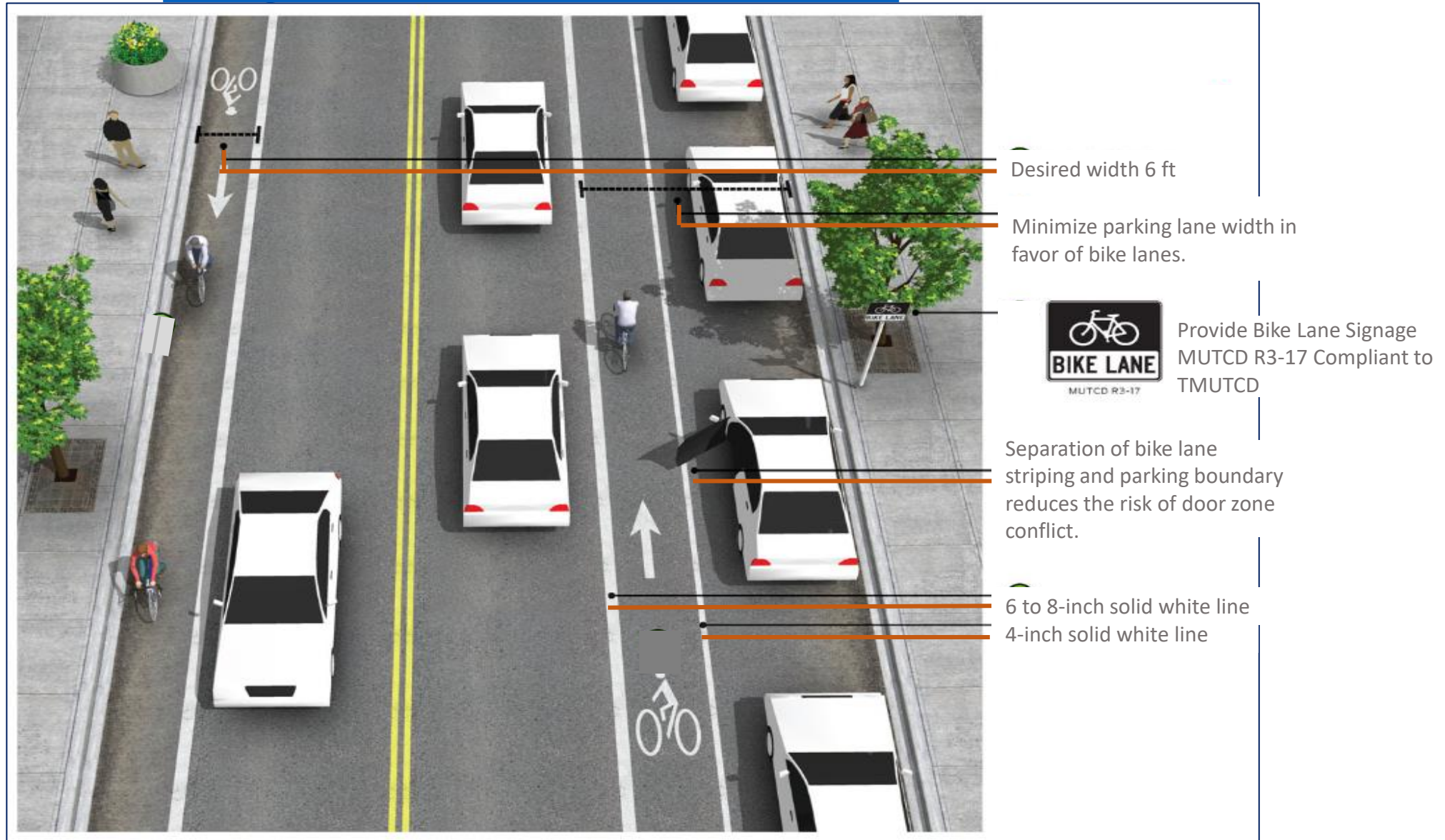


# Introduction - Design of Conventional Bike Lanes

## Treatment Adoption and Professional Consensus

Conventional Bicycle lanes are the most common bicycle facility in use in the US, and most jurisdictions are familiar with their design and application as described in the MUTCD and *AASHTO Guide for the Development of Bicycle Facilities*.

Source: National Association of City Transportation Officials



# Introduction - Buffered Bike Lanes \*\*

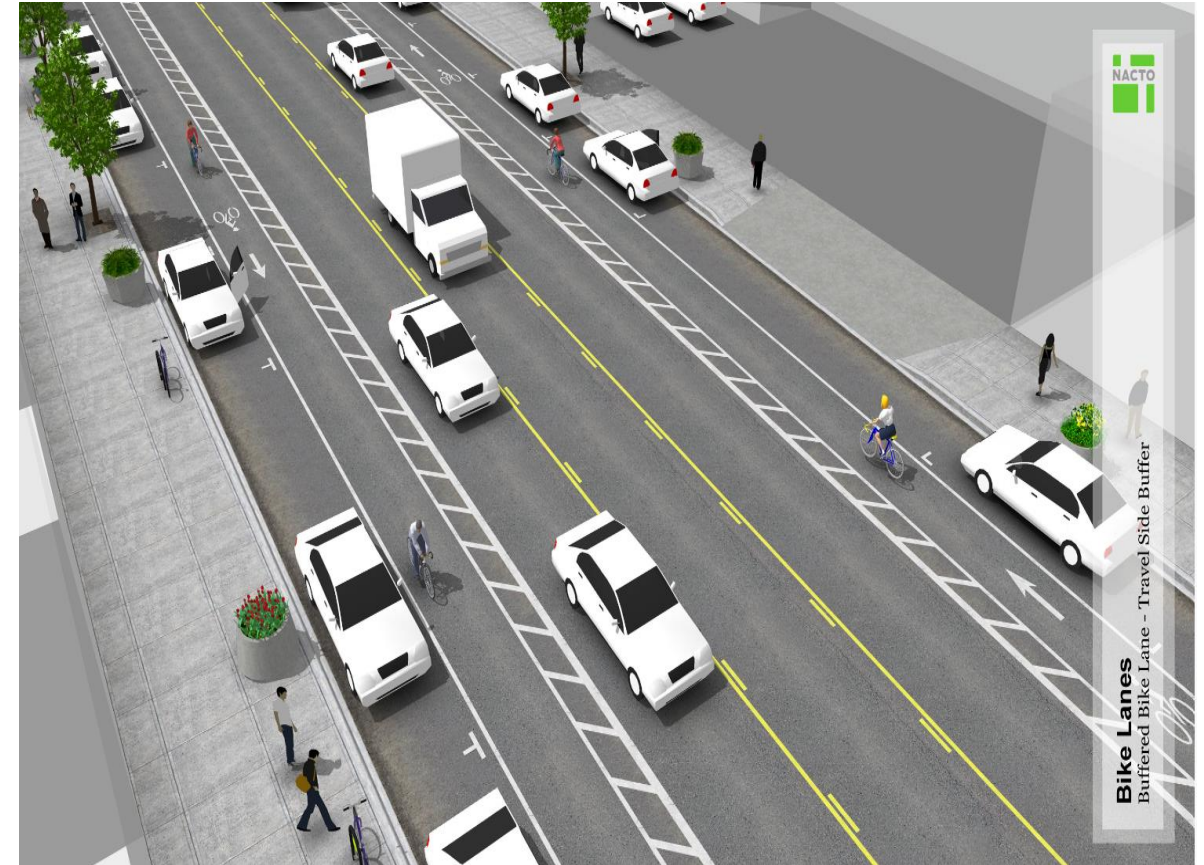
## Merits

- Provides greater shy distance between vehicles and bicyclists
- Encourages bicyclists to ride outside the door zone due to the buffer between the parked cars and the bike lanes.
- Provides a greater space for bicycling without making the bike lane appear so wide that it might be mistaken for a travel or parking lane.
- Encourages bicycling by contributing to the perception of safety among users of the bicycle network.

## Demerits

- Implementation limitations in built-up areas
- May restrict ROW for future expansions

\*\* *Hyperlink [access to detailed discussion on the topic]*



Source: National Association of City Transportation Officials

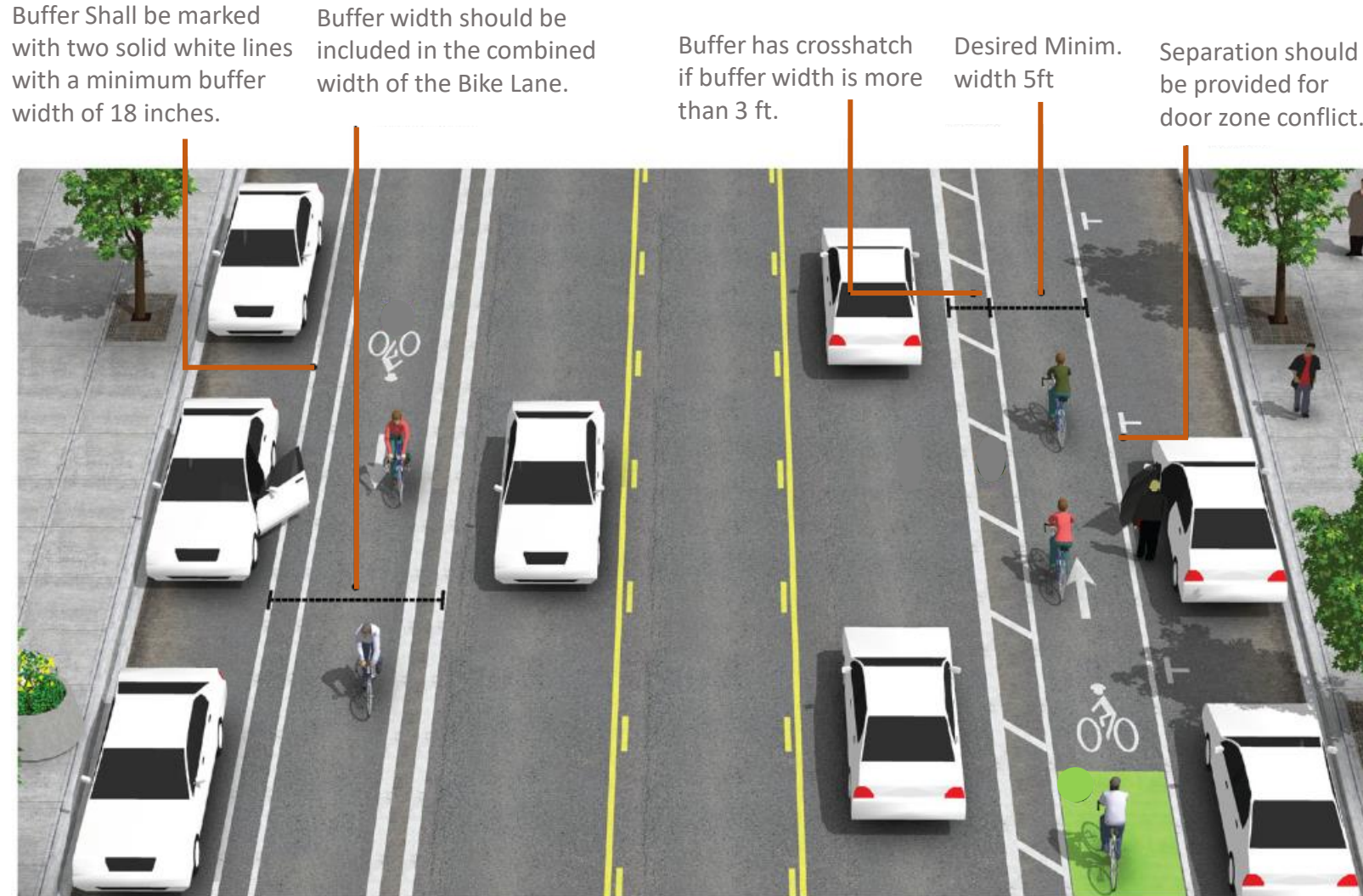


# Introduction - Design of Buffered Bike Lanes

## Treatment Adoption and Professional Consensus

Buffered bike lanes are used in the following US cities :

Austin, TX  
Cape Coral, FL  
Los Angeles, CA  
Minneapolis, MN  
New York City, NY  
Portland, OR  
Phoenix, AZ  
San Francisco, CA  
Seattle, WA  
Tucson, AZ



Source: National Association  
of City Transportation  
Officials

# Introduction - Contra Flow Bike Lanes

\*\*

## Merits

- Provides connectivity and access to bicyclists traveling in both directions.
- Reduces dangerous wrong-way and sidewalk riding.
- Decreases trip distance, the number of intersections encountered, and travel times for bicyclists by eliminating out-of-direction travel.
- Allows bicyclists to use safer, less trafficked streets.

## Demerits

- Implementation limitations in built-up areas
- May restrict ROW for future expansions



Source: National Association of City Transportation Officials



# Introduction - Contra Flow Bike Lanes

## Treatment Adoption and Professional Consensus

Contra-flow bike lanes are used in the following US cities :

Austin, TX

Boulder, CO

Cambridge, MA

Baltimore, MD

Chicago, IL

Madison, WI

Minneapolis, MN

New York City, NY

Portland, OR

San Francisco, CA

Seattle, WA

Washington, DC

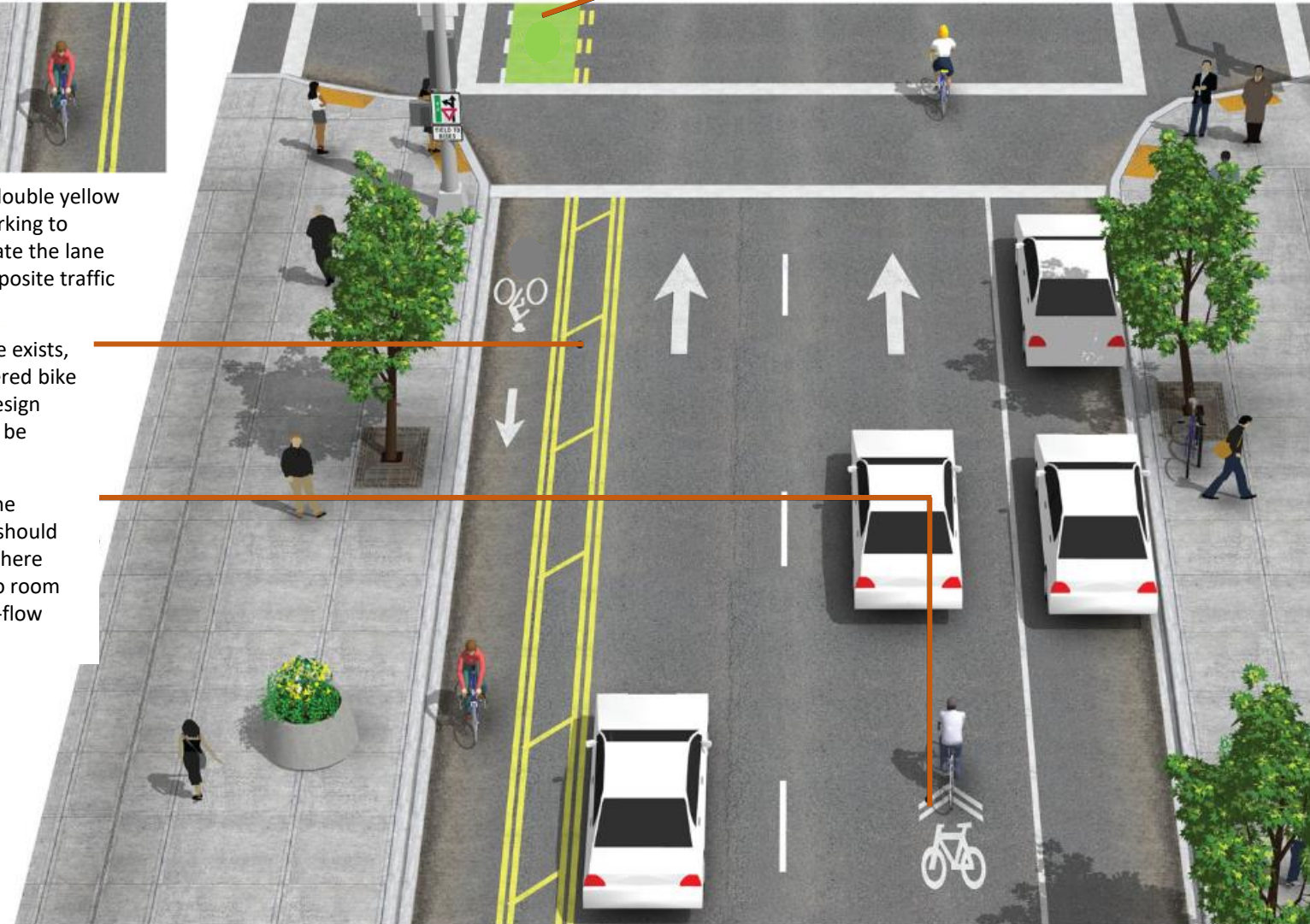
MC24-001



A solid double yellow line marking to demarcate the lane from opposite traffic

If space exists, a buffered bike lane design should be used.

Shared lane markings should be used where there is no room for a with-flow bike lane.



Contra-flow bike lane markings should be extended beyond the intersection especially contraflow lanes against the curb to alert cross-street traffic

Source: National Association of City Transportation Officials

# Introduction - Left Side Bike Lanes \*\*

## Merits

- Avoids potential right-side bike lane conflicts on streets.
- Improves bicyclists' visibility by having the bike lane on the driver's side.
- Minimizes door zone conflicts next to parking
- Fewer bus and truck conflicts as most bus stops and loading zones are on the right side of the street.

## Demerits

- Efficient applicability on one-way couplets
- Right turn complexities during rush hour

\*\* *Hyperlink [access to detailed discussion on the topic]*



Source: National Association of City Transportation Officials



# Introduction - Left Side Bike Lanes Design

A colored pavement may be used along the facility to draw attention.



A “Yield to Bikes” Sign should be post-mounted before a left turn lane to reinforce that bicycles have the right of way.

Desired width of 6 feet



Signage should accompany left-side bicycle lanes to clarify proper use by bicyclists.



## Treatment Adoption and Professional Consensus

Left-side bike lanes are used in the following US cities:

Berkeley, CA

Boston, MA

Chicago, IL

Madison, WI

Minneapolis, MN

Naples, FL

New York City, NY

Portland, OR

Sacramento, CA

San Francisco, CA

Seattle, WA

Washington, DC

Source: National  
Association of City  
Transportation Officials

# Introduction – Other Bike Lane Concepts

## Shared Roadway

Marked by a diamond-shaped sign with a bike. These signs are on roads where people on bikes and vehicles share the road. They are typically installed on streets where a person in a vehicle can safely pass a person on a bike within three feet of distance.

Source: [City of Denton](#)



## Sharrows

A shared lane marking of a bicycle symbol with two chevrons above it. People on bikes and in vehicles share the roadway. Used on low-volume, low-speed streets under 30 MPH.

Source: [City of Denton](#)





# Introduction– Other Bike Lane Concepts

## Green Bike Lane

These are used to identify conflict areas where people in vehicles and on bicycles interact to make each other more aware of the other's presence.



Source: [City of Denton](#)

## Shared Use Path/Side path

An extra-wide sidewalk (typically eight or more feet wide) adjacent to the roadway that is meant for travel by pedestrians and people on bikes.



Source: [City of Denton](#)

## Trails

A wide path outside of the road right-of-way is meant for use by all non-motorized forms of transportation.



Source: [Cooper Creek Trail](#),  
Denon  
Picture: Ross Patterson  
June 19, 2023

# Jurisdictional Perspectives

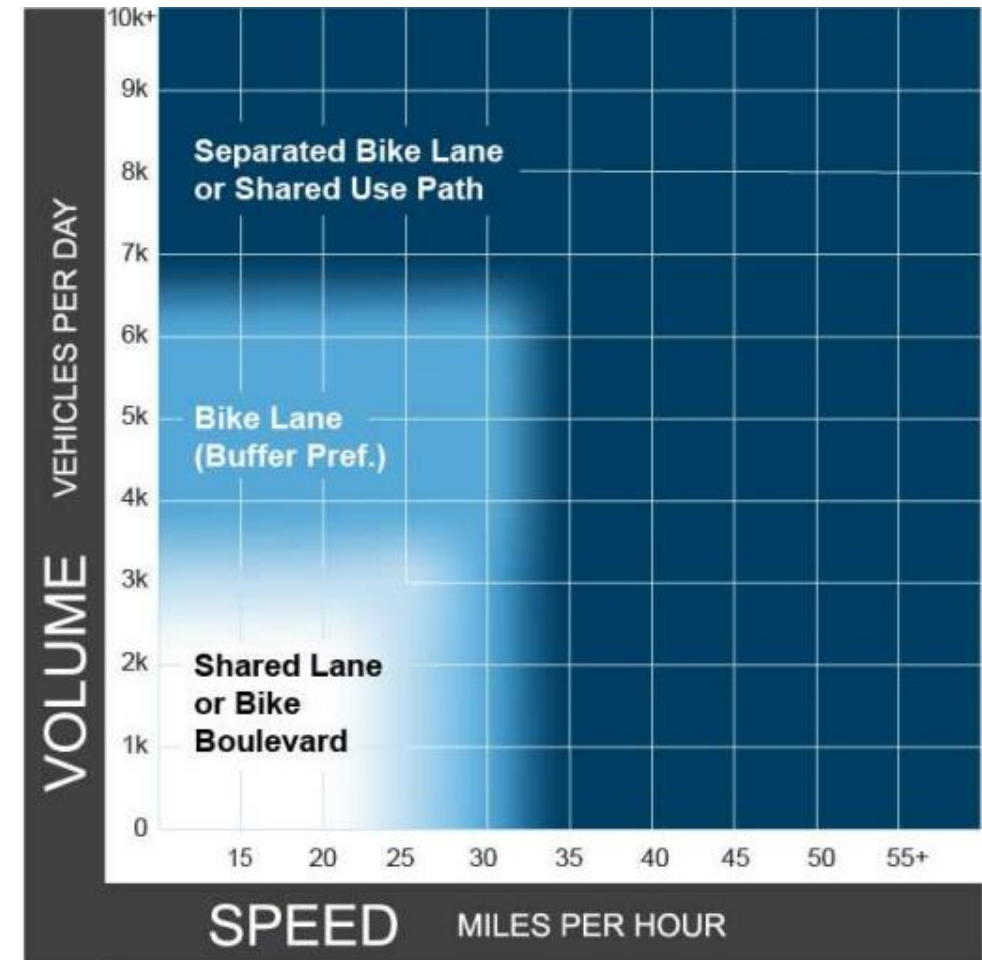
1. State of Texas Perspective
2. City of Denton Perspective

# Jurisdictional Perspectives - Texas Department of Transportation

## Bike Facility Selection Guidance for Urban Context

- **New Construction or Existing Right of Way**  
(Per guidance)
- **Bridge Replacement or Rehabilitation**  
(minimum 5 ft Clear Space)
- **Texas Bicycle Tourism Trails**  
(10-ft general or min 8 ft shoulder width)

\*\* TXDOT Provides Separate Bike Facility Selection Guidance for Rural Context



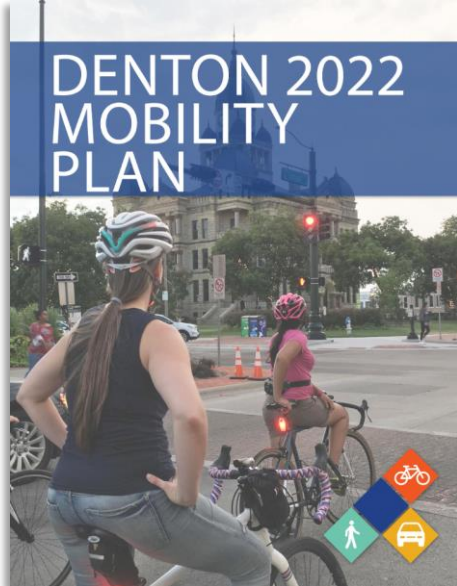
Source: TXDOT Bicycle Accommodation Design Guide, 2021



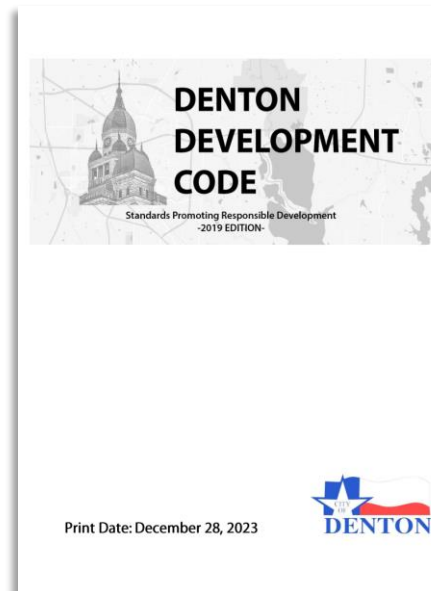
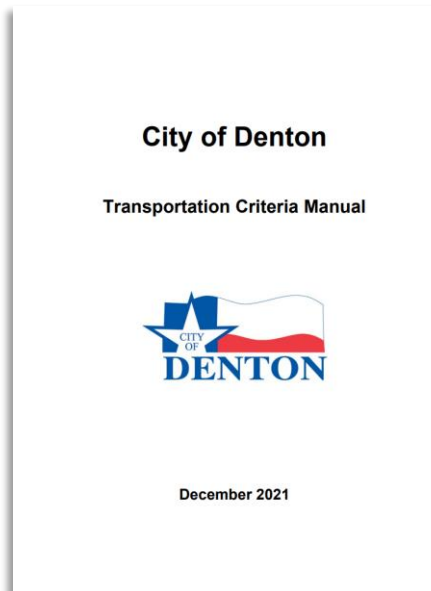
# City of Denton Bike Lanes Perspective

## Resources

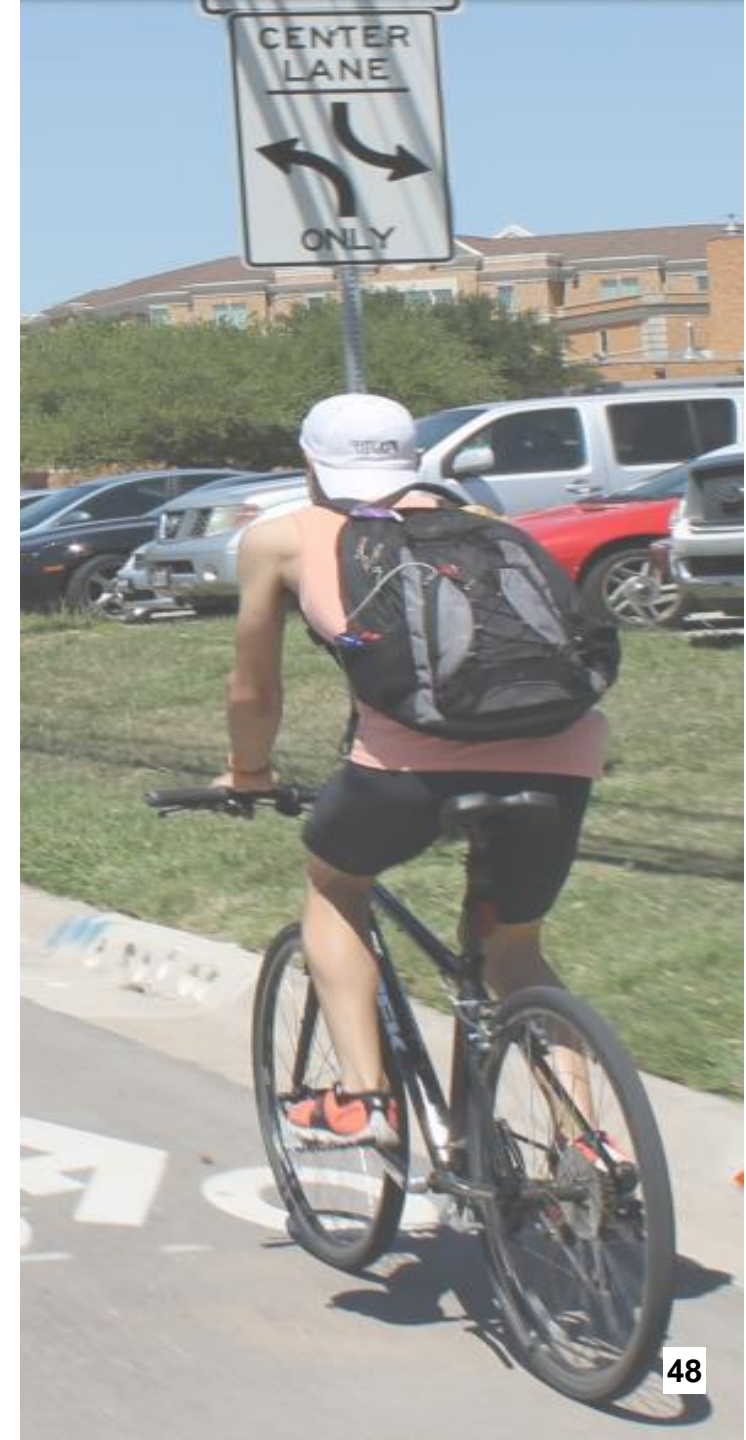
- Denton Mobility Plan (Bicycle Plan)
- Denton Transportation Criteria Manual
- Denton Development Codes and Standard Details Document



MC24-001



March 27, 2024



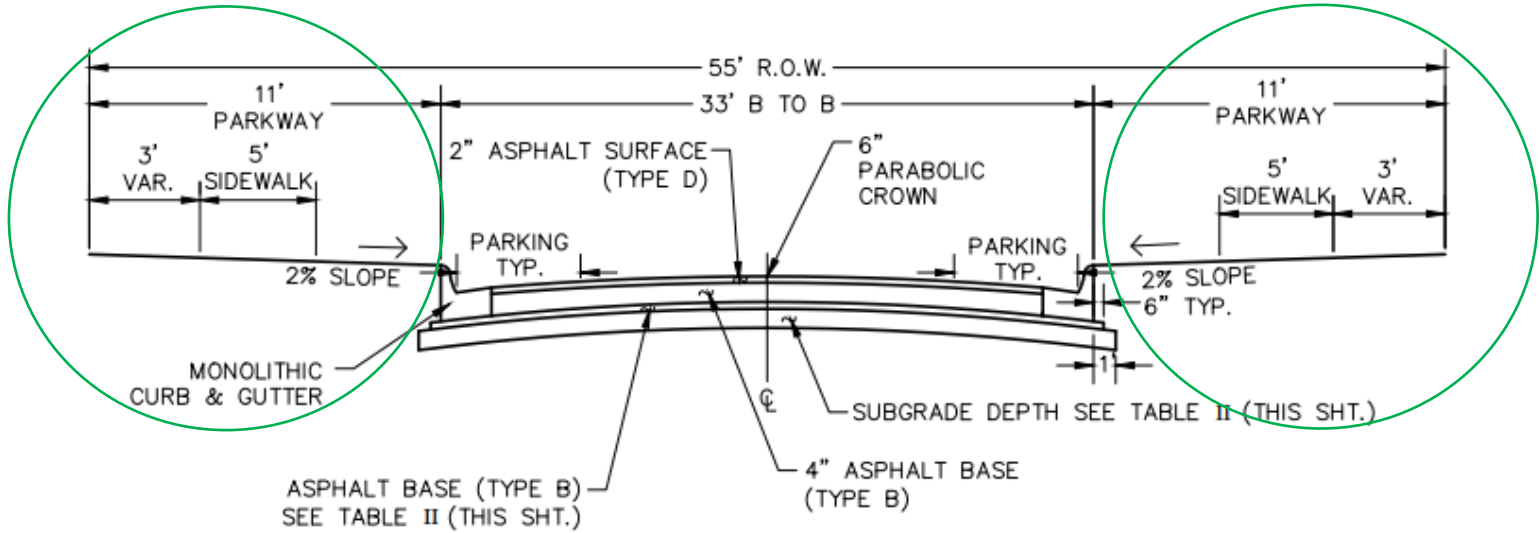
# City of Denton Bike Lanes Standards

- **The Standard Details Documents**
  - Residential Street - 5 ft Sidewalks
  - All Other Street - 10 ft Multiuse Path
  - Bike Lanes are not specified on Street Sections
- **Mobility Plan** addresses Bike Lanes as a generalized topic
- **Professional Judgment** on the use of Bike Lanes on roads as a context-sensitive design





# City of Denton Bike Lanes Standards



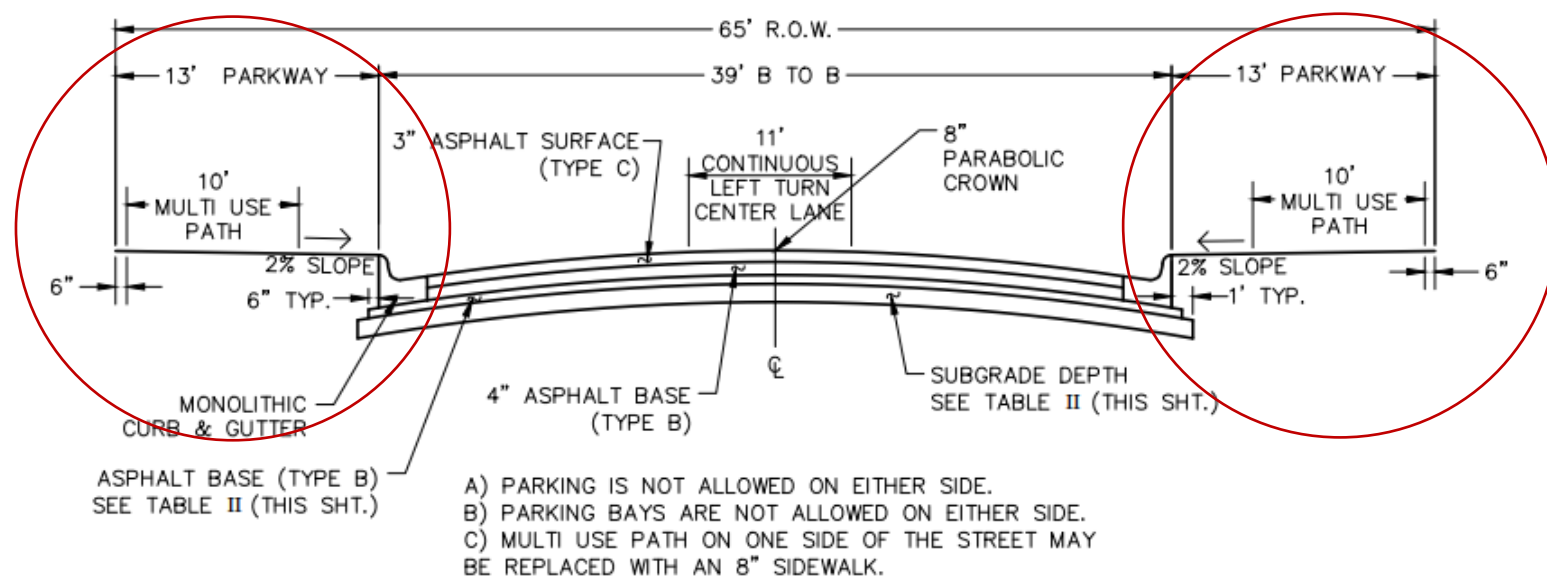
- A) ANGLE PARKING BAYS ARE PERMITTED.
- B) A MINIMUM 12 FT. WIDE UNOBSTRUCTED TRAVEL LANE SHALL BE PROVIDED.

## Other Street Sections

Source: [City of Denton Standard Details Document](#)

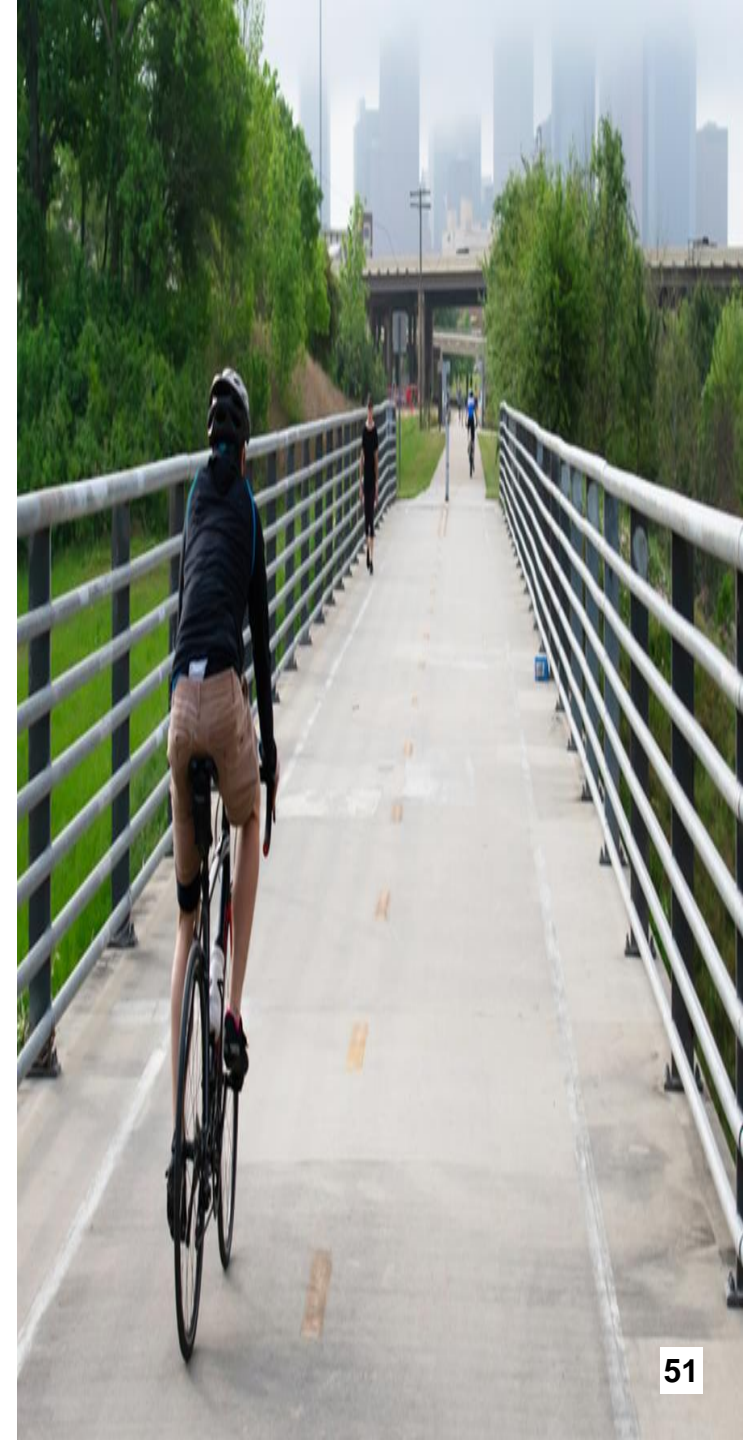


# City of Denton Bike Lanes Standards



## Residential Street Collector Section

Source: [City of Denton Standard Details Document](#)





# Way Forward

1. Planning for Bike Lanes – as one of the priorities
2. Develop Localized Standards for Four Distinct types of on-road bike lanes
3. Enhance the Transportation Criteria Manual and Street Sections in the Standard Details Document to add/improve bike lanes
4. City Council's consideration for on-street bike lane standards





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

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MC24-001



# City of Denton

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## Legislation Text

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### AGENDA CAPTION

Staff Memorandum  
Quarterly Construction Report  
Interchange of 380/Loop 288 and Sage Owner's Escrow  
Temporary Lighting on McKinney Street  
Lighting on US 380/Loop 288  
Lighting and Landscaping for Construction Projects  
Regulations on Sidepath Widths, Sidepath on FM 1515 and Parks Trail Connectivity





## MEMORANDUM

**DATE:** March 27, 2024  
**TO:** Mobility Committee  
**FROM:** Trevor Crain, Director of Capital Projects  
**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.

### Quarterly Construction Report:

- **Bonnie Brae 3 (Roselawn to I35)**– Is currently in construction. No schedule or budget impacts to report. Anticipated completion date Q3 of 2026.
- **Bonnie Brae 4B (I35 to Scripture)**– Is currently at 90% design. Staff will bring to 100% design and complete utility/ROW acquisition. The project will move to the construction phase once Bonnie Brae 3 nears completion.
- **Bonnie Brae 5 (Scripture to US 380)**– Under design by internal Engineering staff. The project will be brought to 100% design and then placed on hold until Bonnie Brae Phase 6 nears completion.
- **Bonnie Brae 6 (US 380 to US 77)** – Is at 100% design and is ready to be advertised for bid pending TxDOT approval of plans. The project is anticipated to begin construction in early Q2 of 2024 and has a 2-year construction timeline.
- **Riney Road East** – Is currently at 60% design. Construction is tentatively anticipated to begin in Q1 of 2025 and will have a 1-year construction timeline.
- **Westgate Road** – Is currently at 90% design. Construction is tentatively anticipated to begin in Q4 of 2024 and will have a 1 ½ year construction timeline.
- **Neighborhood 5B** – Is currently in the initiation phase. It will be packaged with the Oakland Drainage project that was approved in the 2023 Bond package and delivered using the CMAR project delivery method. Construction is tentatively anticipated to start in Q1 of 2025 and will have a 1 ½ year construction timeline.
- **McKinney Sidewalks** – Has completed the initiation phase and has begun design. During the design phase, any necessary ROW will be acquired. Construction is tentatively anticipated to start in Q1 of 2025 and will have a nine-month construction timeline.

### OUR CORE VALUES

Inclusion • Collaboration • Quality Service • Strategic Focus • Fiscal Responsibility

- **Ryan Road** – Is currently at 30% design. It will be brought to 100% design while all utility relocations and ROW acquisitions are completed. Construction will begin once Hickory Creek 3 nears completion. This project has a 2-year construction timeline.
- **Hickory Creek 3** – Is under construction. Staff is currently working through construction delays associated with the Kansas City Southern Railroad (KCSR) and anticipate a resolution to this issue in March 2024. Construction is planned to be completed in Q3 of 2025.

#### **Interchange of 380/Loop 288 and Sage Oak Owner's Escrow:**

Construction of sidepaths is typically the responsibility of the City of Denton. When sidepaths are on a TxDOT-owned roadway, City staff works closely with TxDOT to ensure the design meets the correct criteria and to obtain the proper permits prior to construction. TxDOT recently adopted a new policy to install sidepaths on all new construction projects. City staff inquired with TxDOT to determine if any funds were being held in escrow, pending sidepath construction, and TxDOT confirmed no funds were being held. Staff has contacted the HOA and is awaiting additional information. The Capital Projects department currently has a project under design that will construct sidewalks along the West side of Loop 288 from US 380 to Audra Drive. Construction is anticipated to begin in late Q1 of 2024.

#### **Temporary Lighting on McKinney Street:**

Staff has worked with Denton Municipal Electric to determine possible solutions to provide lighting along this corridor. Lighting will be included in the McKinney Sidewalks project, which was included during the FY 23 – 24 budget process. This project is currently under design and is anticipated to be ready for construction in Q1 of 2025.

#### **Lighting on US 380/Loop 288:**

The US 380 lighting project was included in the 2019 Bond Program. It will install street lighting along 380 from Loop 288 to I-35. This project is currently under design and is anticipated to begin construction in Q2 of 2025.

#### **Lighting and Landscaping for Construction Projects:**

Lighting needs are assessed as a part of the “complete streets” project delivery method. Photometric studies are included during the design phase of all projects. Should that study show that street lighting is needed, those would be included in the design plans for installation. The Capital Projects department works in conjunction with Denton Municipal Electric to ensure the installed lighting meets the new streetlighting criteria adopted in January 2024.

The inclusion of street tree plantings within street medians and the right-of-way is determined based on the following project types: City of Denton Capital Projects, Development-Driven Construction, and TxDOT Construction.

Capital Projects incorporates feedback from the Parks Department during the design stage of a roadway project, which may incorporate street tree plantings within any proposed medians or along the outer edges of the street. However, the inclusion of these plantings and their final planting

locations for each project is dependent on the total funding available or the presence of underground utilities. In most cases, the Parks Departments will utilize the Tree Fund or other grant funding to place street trees post-construction as part of the Enhanced Beautification Initiative, established by City Council. For example, after construction is complete, the Parks Department will utilize the Tree Fund to incorporate street trees along Hickory Creek Road.

Regardless of the roadway's classification on the Mobility Plan, when a new public street is constructed by a development as part of their internal and/or perimeter street network, the development is required to incorporate street tree plantings along each side of the right-of-way in accordance with 2019 Denton Development Code Subsection 7.7.7. These planting locations are selected through the development review process and installed after the construction of public infrastructure but prior to the issuance of any certificates of occupancy. Street trees planted through the development review process may differ based on plant spacing, species type, or spacing requirements due to the presence of underground utilities or power lines.

Along TxDOT roadways, street trees are only present within medians when there are no conflicts with underground utilities. In most cases, the presence of street trees along a TxDOT roadway is unlikely due to TxDOT clearance requirements, which prohibit obstructions that would reduce sight visibility. Exceptions to this prohibition may be present only with prior approval from the State of Texas through a maintenance agreement. At this time, all existing maintenance agreements between the City of Denton Parks and Recreation Department and TxDOT are for general landscaping in the TxDOT right-of-way and/or street trees within medians, such as US 77 and FM 2499. These maintenance agreements were established after receiving TxDOT funding through the Green Ribbon Grant Program to establish enhanced landscaping, in line with City Initiatives executed by Parks.

### **Regulations on Sidepath Widths, Sidepath on FM 1515 and Parks Trail Connectivity:**

On December 20, 2023, the Committee requested clarification regarding sidewalk and sidepath widths, due to confusion from within the development community in understanding when 5' or 10' was required. At a minimum, all new developments or significant expansions of existing developments are required to construct perimeter street improvements, such as bicycle and pedestrian infrastructure. The width of these requirements is dependent on the following:

- Ownership of the adjacent roadway (i.e., TxDOT, Denton County, City of Denton)
- Active design or construction of an adjacent roadway that includes sidewalk construction
- Roadway classification per the Mobility Plan
- Required bicycle improvements per the Bicycle Map in the Mobility Plan
- Design requirements of the Transportation Criteria Manual
- Effective Standard Details at the time of review
- The surrounding context of the area, including the built environment and available right-of-way (including areas to be dedicated) to accommodate all modes of transportation.

In general, all residential or local streets shall incorporate 5' sidewalks on both sides of the street, as bicyclists may use the road to travel. Based on the type of Collector roadway (i.e., residential or commercial), 10' sidepaths may be required to accommodate both bicycle and pedestrian traffic

or design variances may be approved to reduce the sidepath width if on-street bicycle facilities are provided. For Arterial roadways, the minimum width is 5', as long as a 10' sidepath is provided on one side of the roadway. For non-city roadways, coordination with TxDOT may be required to ensure that 5' or 10' facilities are provided in a continuous and consistent manner.

In regard to sidewalk connectivity along FM1515, Airport Road, the proposed improvements by TxDOT incorporate 5' sidewalks on both sides due to design initiation prior to the adoption of the 2022 Mobility Plan. However, a portion of the future Hickory Creek Trail will connect to and follow FM1515 for a short distance. The Parks and Recreation Department may be contacted for more information about this project.

### **EXHIBITS**

Exhibit 1 – Staff Memorandum

Exhibit 2 – Construction Report Schedule

Exhibit 3 – Future Items for Mobility Committee Meeting for 2024

Project Name	Total Estimated Cost	CY 2024				CY2025				CY 2026				CY 2027				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
		FY 23-24			FY 24-25				FY 25-26				FY 26-27					
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Bonnie Brae Phase 3	\$ 38,000,000.00		Construction															
Bonnie Brae Phase 4B	\$ 16,000,000.00						Design	On Hold	Construction									
Bonnie Brae Phase 5	\$ 18,000,000.00		Design				On Hold		Construction									
Bonnie Brae Phase 6	\$ 32,700,000.00		Construction															
Riney Road East	\$ 6,000,000.00		Design			Construction												
Westgate Road Reconstruction	\$ 10,250,000.00		Design		Construction													
NBHD 5B (Jannie)	\$ 6,411,969.00		CMAR Preconstruction			Construction												
Mckinney sidewalks	\$ 5,000,000.00		Design			Construction												
Ryan Road	\$ 13,000,000.00		Design			On Hold		Construction										
Hickory Creek 3	\$ 66,000,000.00		Construction															



Q4
FY 26-27
Q1

**Mobility Committee Meeting**  
**Identified Items of Interest for Future Staff Report Updates or Agenda Item Presentation**

NO.	DATE REQUESTED	REQUESTOR	ITEM / RESOLUTION	LAST UPDATE	STAFF COMMENTS	REQUEST TO REMOVE
1	August 23, 2023	Committee	ITS Update - Spur East of 288/Connector 380	March 27, 2024	Update provided in the ITS Report on February 28, 2024.	Yes
2	December 20, 2023	Committee	Quarterly Construction Report	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	
3	December 20, 2023	Committee	Interchange of 380/Loop 288 and Sage Oak Owner's Escrow	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	Yes
4	December 20, 2023	Committee	Lighting and Landscaping for Construction Projects	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	Yes
5	November 29, 2023	Committee	Bike Lanes	March 27, 2024	Update provided in the Introduction to Bike Lanes Report on March 27, 2024.	Yes
6	February 28, 2024	Committee	Regulations on Sidepath Widths, Sidepath on FM 1515 and Parks Trail Connectivity	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	Yes
7	February 28, 2024	Committee	Temporary Lighting on McKinney Street	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	Yes
8	February 28, 2024	Committee	Lighting on U.S. 380/Loop 288	March 27, 2024	Update provided in the Staff Memo on March 27, 2024.	Yes
9	February 28, 2024	Committee	Bike Racks Rules, Policies, Regulations and Enforcement		Update provided when available.	
10	February 28, 2024	Committee	Crossing Concerns between Ryan High and Dollar General		Update provided when available.	
11	February 28, 2024	Committee	Increased Traffic Patterns on Woodrow Lane and Morse Street		Update provided when available.	
12	February 28, 2024	Committee	Kings Row and Windsor Cross Access		Update provided when available.	
13	November 14, 2023	CMO	Transportation Services Division Report	February 28, 2024	Update provided in the Quarterly Transportation Services Division Report in Quarter 2.	
14	July 26, 2023	Committee	Citywide/Downtown Parking Study	November 29, 2023	Update provided in the Staff Memo on November 29, 2023. Additional information will be provided when available.	
15	July 26, 2023	Capital Projects / Engineering	Mapping for Sidewalk/Bike Corridor		Update provided once staff completes GIS mapping layers.	
16	February 28, 2024	Committee	Alignment Concerns Bonnie Brae / Loop 288		Update provided when available.	