

#### **BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE**

North Central Texas Council of Governments Virtual Teams Meeting February 16, 2022 2:00 pm - 4:00 pm

2:00 – 2:30 (30 min)	1. Welcome – Introductions Discussion of the November 17, 2021, BPAC meeting summary, and introduction of BPAC Members.  Robert Caskey, Chair, City Frisco	
2:30 – 3:00 (30 min)	2. Local Community Updates  a. E-Scooter Policy Update – Jessica Scott, City of Dallas b. Northaven Trail Crosswalks – Jared White, City of Dallas c. Bike Lane Transitioning to Off-Street Trails – James Fish, Mansfield d. Bicycles and Pedestrians Accommodation on Bridges – Amelia Hayes e. Signing and Pavement Markings (SB 1055) – Tim Wright, TxDOT f. Upcoming Events – Chad Marbut, BPAC Vice-Chair	Various BPAC Members and Guests
<b>3:00– 3:15</b> (15 min)	3. Proven Safety Countermeasures 2021 Update Federal Highway Administration's Proven Safety Countermeasures 2021 Update in relation to Bicyclist and Pedestrians.	Amelia Hayes, FHWA
<b>3:15 – 3:25</b> (10 min)	4. Sidewalk Workplan and Pedestrian Scrambles Overview of pedestrian scrambles in front of Denton's County Courthouse and new sidewalks/ADA repairs that are being addressed comprehensively.	Nathan George, City of Denton
<b>3:25 – 3:55</b> (30 min)	The state of the s	
3:55 – 4:00 (5 min)	6. Other Business/Open Discussion This item provides an opportunity to bring items of interest before the Committee or propose future agenda items.	Robert Caskey, Chair, City of Frisco

#### **Next BPAC Meeting**

The **next** meeting of the Bicycle and Pedestrian Advisory Committee is scheduled for **May 18, 2022**, from 2:00-4:00pm. The meeting is anticipated to be in person at NCTCOG in the Transportation Council Room.



## Micromobility Update

NCTCOG BPAC February 16, 2022

Jessica Scott, AICP, LCI Bicycle & Micromobility Manager Department of Transportation

#### **Presentation Overview**



**Purpose:** Brief the NCTCOG BPAC on the work plan and schedule for the City of Dallas Micromobility Working Group, and the effort to relaunch the Dockless Vehicle Program.

#### **Presentation Outline**

- Background
- Overview of Outstanding Issues
- Micromobility Working Group Overview
- Work Plan and Schedule
- Next Steps



#### Background



#### 2018

- Dockless scooters first arrive in Dallas.
- City Council authorized the Dockless Vehicle Ordinance and amended Chapter 28
   Sec. 28-41.1 to allow motor assisted scooters to be ridden in public rights-of-way

#### 2020 - Spring/Summer

 COVID began exacerbating existing issues, as many younger residents turned to scooters for entertainment

#### 2020 - Summer/Fall

- At the request of downtown area business districts and DPD, all dockless vehicle
  permits were suspended and companies were asked to pull devices off streets
  indefinitely until program changes were made. Concerns were related to:
  - extensive sidewalk riding posing a threat to pedestrians.
  - wrong-way riding on downtown area streets.
  - scooters being used to escape police after committing crimes.
  - scooters blocking sidewalk access.

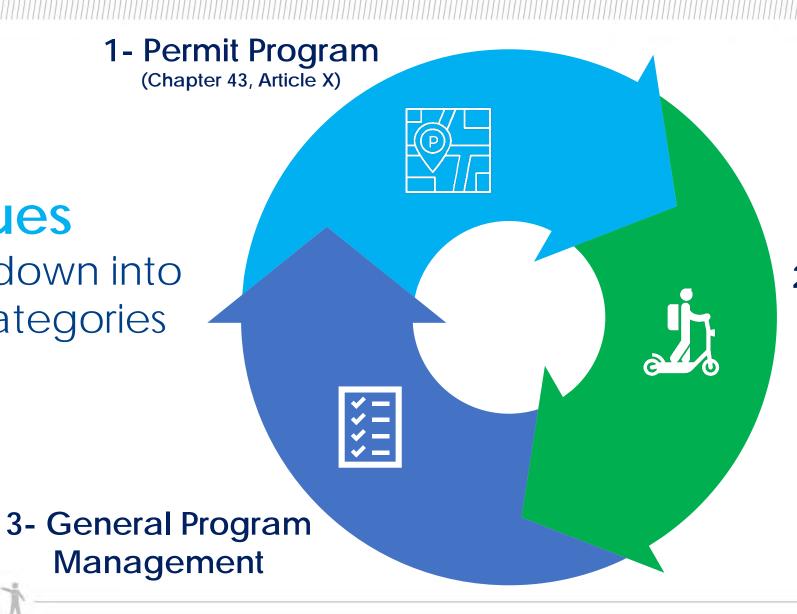


#### Issues that Need to be Addressed



#### 17 Issues

Broken down into three categories



2- Rider/Device **Operation** 

(Chapter 28, Sec 41.1.1)

#### Micromobility Working Group Overview



Working Group Mission Statement: Review and provide guidance to Councilmembers and staff on proposed strategies, recommendations, and initiatives related to the Dockless Vehicle Program.

**Goal:** Relaunch the Dockless Vehicle Program in a way that is <u>safe</u>, <u>equitable</u>, <u>orderly</u>, and <u>promotes broader City goals</u>.

**Composition:** Working Group members were nominated by members of the City Council Transportation Committee, by Dallas DOT staff, and Mayor Pro Tem Chad West.



#### Work Plan and Schedule



- 1. Working Group Kick-off (November 2021)
- 2. Confirm list of outstanding issues with Working Group (December 2021)
- 3. Discuss potential solutions for each issue and recommend solutions to be pursued (December 2021- February 2022)
- → 4. Present recommended solutions to City Council Transportation and Infrastructure Committee (February 22, 2022)
  - 5. Working Group review of proposed edits to City ordinance and any new materials (March 2022)
  - 6. City Council briefing on proposed changes.





## Micromobility Update

NCTCOG BPAC February 16, 2022

Jessica Scott, AICP, LCI Bicycle & Micromobility Manager Department of Transportation



#### Northaven Trail Crosswalk Enhancements

Bicycle and Pedestrian Advisory Committee February 16, 2022

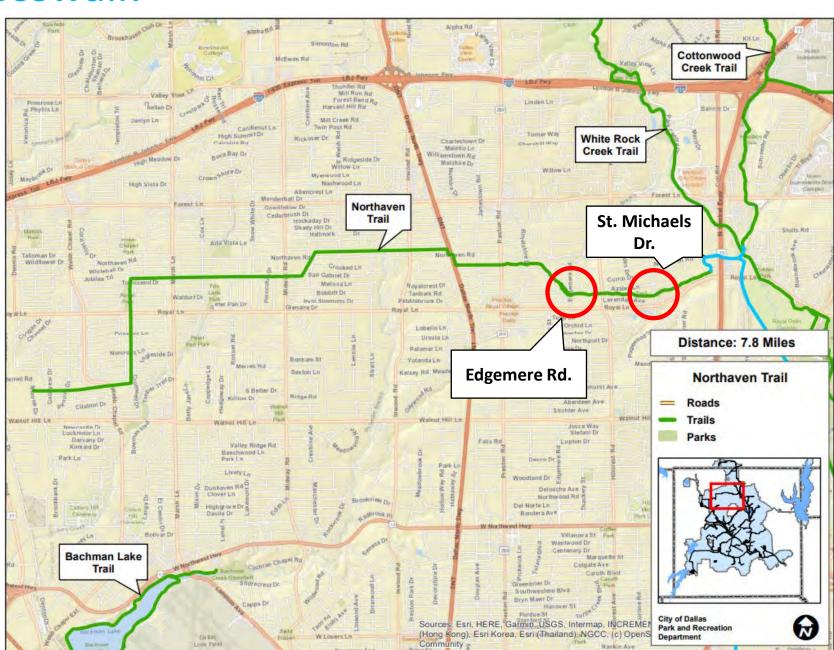
#### Northaven Trail Crosswalk

#### **Enhancements**

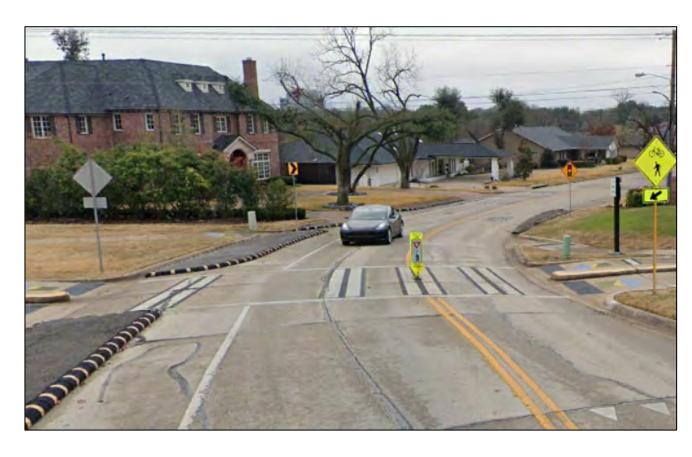
To improve and draw attention to trail/roadway crossings

Two locations: St. Michaels Drive and Edgemere Road

Cost: Approx. \$7,300



#### Northaven Trail Crosswalk Enhancements: St. Michaels Drive





#### Northaven Trail Crosswalk Enhancements: Edgemere Road



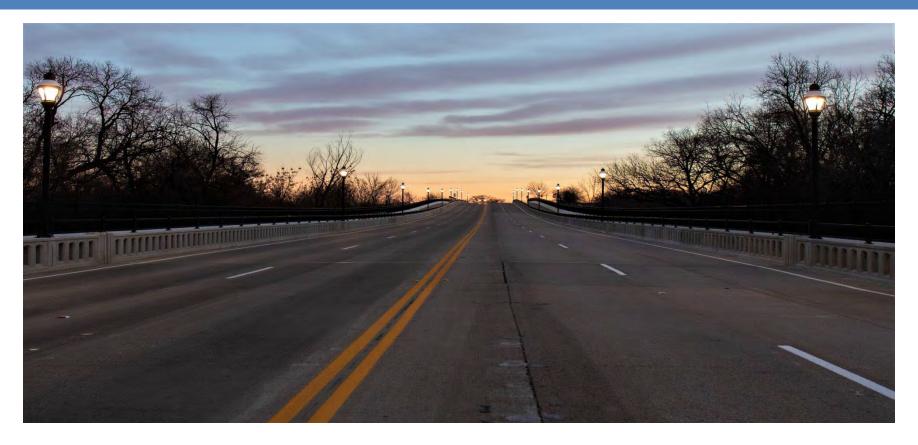




## Jared White City of Dallas, Park and Recreation Department jared.white@dallascityhall.com

Bicycle and Pedestrian Advisory Committee February 16, 2022

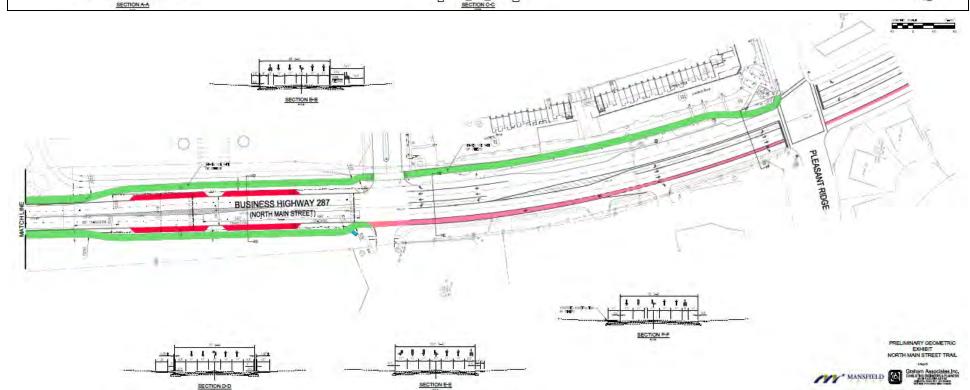
### THE NORTH MAIN STREET IMPROVEMENTS PROJECT CITY OF MANSFIELD

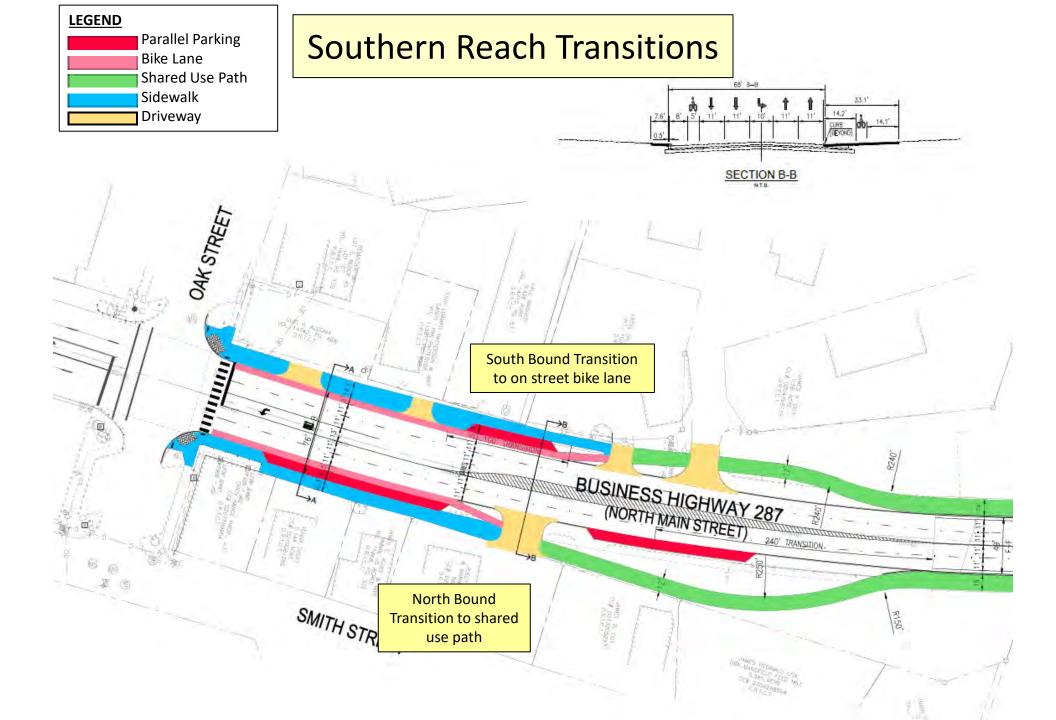








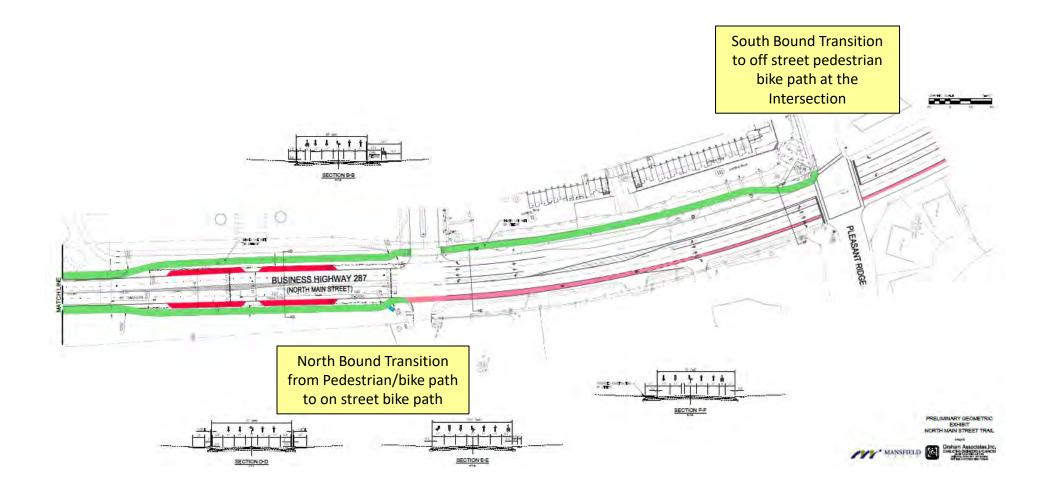








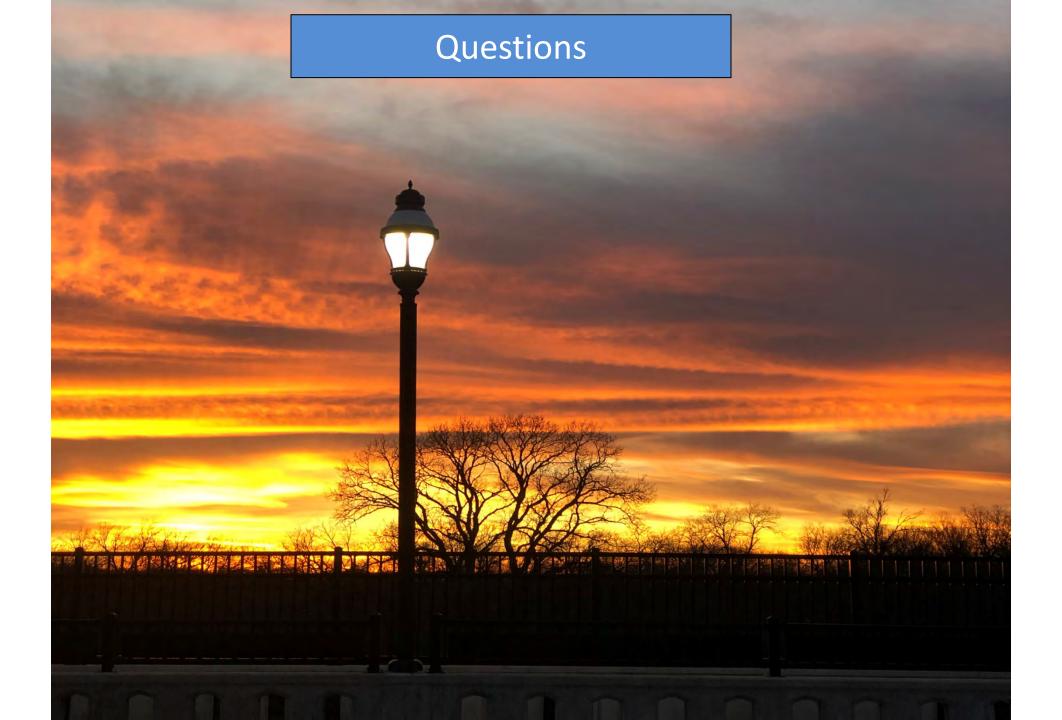
#### Northern Reach Transitions





North Bound Bike Lane Transition from the shared use path to the Street





#### The PBIC Messenger



E-News from the Pedestrian and Bicycle Information Center

Monthly Newsletter — January 26, 2022



Image Source: pedbikeimages.org / Toole Design

#### **Announcements**

- AASHTO Issues Revised Pedestrian Facilities Guide
- · Pedestrian and Bicycle Crash Analysis Tool, Version 3
- Federally Funded Bridge Repair/Replacement Includes Accommodations for Pedestrians and Bicyclists



ABOUT THE LEAGUE
EQUITY
ADVOCACY
BICYCLE FRIENDLY AMERICA
SMART CYCLING
NATIONAL BIKE SUMMIT®
NATIONAL BIKE MONTH
MEMBERSHIP
BUY LEAGUE MATERIALS
BUY LEAGUE GEAR
© QUICK LINKS

#### NEWS<sub>from</sub> THE LEAGUE



January 14, 2022

#### BIKING AND WALKING ACCESS NOW REQUIRED ON BRIDGES!

ADVOCACY FEDERAL NEWS

by Caron Whitaker

The U.S. Department of Transportation (US DOT) issued guidance today on their bridge improvement Bipartisan Infrastructure Law. Under the law anytime a state replaces or rehabilitates any highway brid must include biking and walking access.

There are only two exceptions to the rule:

#### Federally Funded Bridge Repair/Replacement Includes Accommodations for Pedestrians and Bicyclists

The FHWA issued its Bridge Formula Program (BFP) Implementation

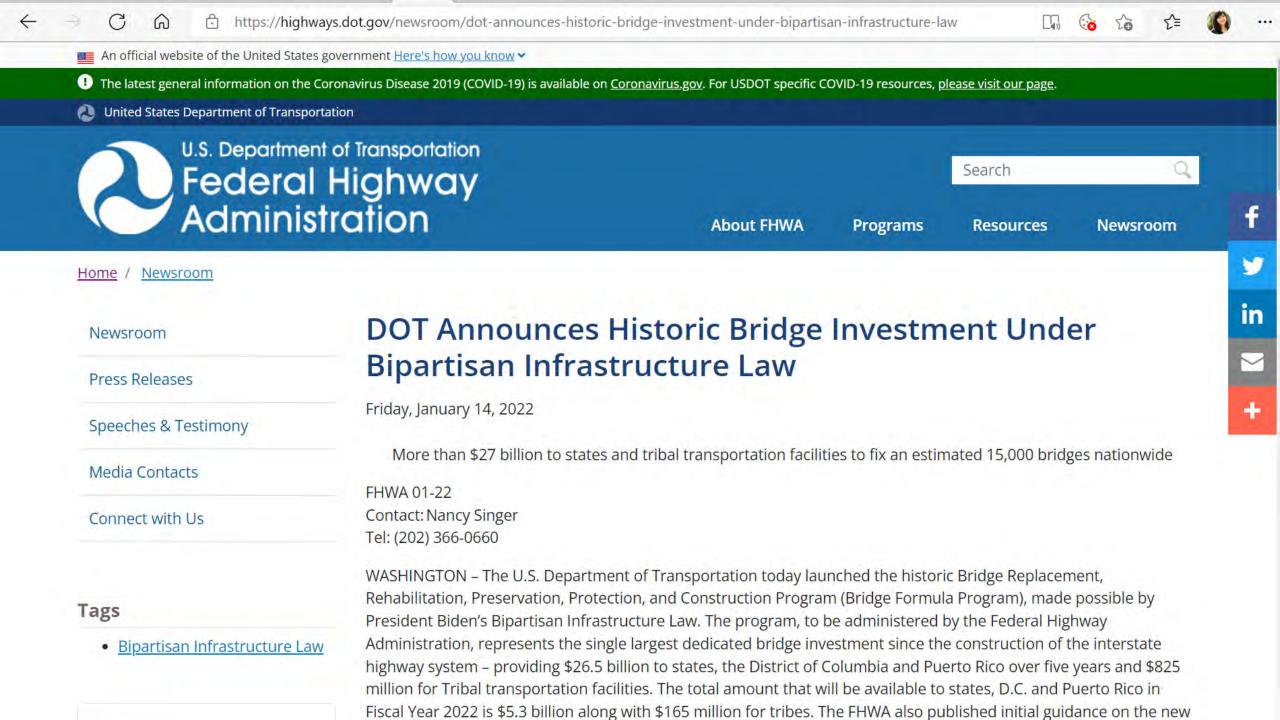
**Guidance** for the Bipartisan Infrastructure Law. The Guidance includes accommodations for bicyclists and pedestrians, stating that "all projects with Federal financial participation (including under BFP) that replace or rehabilitate a highway bridge deck are required to provide safe accommodation of pedestrians or bicyclists, as applicable, on the bridge, when both of the following conditions are met: (1) the bridge is located on a highway on which pedestrians or bicyclists are allowed to operate at each end of the bridge, and (2) FHWA determines that safe accommodation can be provided at reasonable cost." An **announcement from the USDOT** provides more information on the



#### Infrastructure

U.S. DOT Announces Historic Bridge Investment with a Focus on Safe Accommodation for Pedestrians and Bicyclists Under Bipartisan Infrastructure Law

The U.S. Department of Transportation launched the Bridge Replacement, Rehabilitation, Preservation, Protection, and Construction Program (Bridge Formula Program). Established through the Bipartisan Infrastructure Law, the Bridge Formula Program will provide over \$27 billion to States, the District of Columbia, Puerto Pico, and Tribes to improve an estimated





#### Memorandum

Date: January 14, 2022

In Reply Refer To:

HIF-1

**ACTION:** Bridge Formula Program

(BFP) Implementation Guidance

Hari Kalla Hari Kalla From:

Associate Administrator, Office of

Infrastructure

**Division Administrators** 

#### Purpose

This memorandum provides background, guidance on Administration priorities and use of Federal-aid highway formula funding, eligibilities, fund information, and definitions for the implementation of the Bridge Replacement, Rehabilitation, Preservation, Protection, and Construction Program (hereafter, Bridge Formula Program (BFP)) as established in title VIII of division J of the Bipartisan Infrastructure Law, enacted as the Infrastructure Investment and Jobs

#### Accommodation for Bicyclists and Pedestrians

BFP funding is subject to requirements for accommodations for bicycles and pedestrians pursuant to 23 U.S.C. 217(e). Under this provision, all projects with Federal financial participation (including under BFP) that replace or rehabilitate a highway bridge deck are required to provide safe accommodation of pedestrians or bicyclists, as applicable, on the bridge, when both of the following conditions are met: (1) the bridge is located on a highway on which pedestrians or bicyclists are allowed to operate at each end of the bridge, and (2) FHWA determines that safe accommodation can be provided at reasonable cost.

The first step in this process is to assess whether the bridge is located on a highway on which pedestrians or bicyclists are allowed to operate at each end of the bridge. If that is the case, in making a determination as to whether safe accommodation can be provided at a reasonable cost FHWA will rely on its bicycle and pedestrian travel accommodation policy (<a href="https://www.fhwa.dot.gov/environment/bicycle-pedestrian/guidance/design.cfm">https://www.fhwa.dot.gov/environment/bicycle-pedestrian/guidance/design.cfm</a>); the FHWA will presume, that safe accommodation for bicyclists and pedestrians can be provided at reasonable cost for all BFP projects absent an affirmative showing by the project sponsor that the cost of such accommodation would exceed twenty percent of the cost of the larger transportation project. For instances where such accommodation exceeds twenty percent, the addition of bicyclist and pedestrian accommodation is not required, but FHWA encourages States to consider providing for such accommodation.











#### Policy Statement

- 1. Bicycle and pedestrian ways shall be established in new construction and reconstruction projects in all urbanized areas unless one or more of three conditions are met:
  - bicyclists and pedestrians are prohibited by law from using the roadway. In this instance, a greater effort may be necessary to accommodate bicyclists and pedestrians elsewhere within the right of way or within the same transportation corridor.
  - the cost of establishing bikeways or walkways would be excessively disproportionate to the need or probable use. Excessively disproportionate is defined as exceeding twenty percent of the cost of the larger transportation project.
  - where sparsity of population or other factors indicate an absence of need. For example, the Portland Pedestrian Guide requires "all construction of new public streets" to include sidewalk improvements on both sides, unless the street is a cul-de-sac with four or fewer dwellings or the street has severe topographic or natural resource constraints.
- 2. In rural areas, paved shoulders should be included in all new construction and reconstruction projects on roadways used by more than 1,000 vehicles per day, as in States such as Wisconsin. Paved shoulders have safety and operational advantages for all road users in addition to providing a place for bicyclists and pedestrians to operate.

Rumble strips are not recommended where shoulders are used by bicyclists unless there is a minimum clear path of four feet in which a bicycle may safely operate.

- 3. Sidewalks, shared use paths, street crossings (including over- and undercrossings), pedestrian signals, signs, street furniture, transit stops and facilities, and all connecting pathways shall be designed, constructed, operated and maintained so that all pedestrians, including people with disabilities, can travel safely and independently.
- 4. The design and development of the transportation infrastructure shall improve conditions for bicycling and walking through the following additional steps:



#### Amelia (Millie) Hayes, P.E., PTOE, RSP<sub>21</sub>

amelia.hayes@dot.gov



Source: Fotosearch

https://safety.fhwa.dot.gov/

https://safety.fhwa.dot.gov/provencountermeasures/

https://safety.fhwa.dot.gov/fas/

https://safety.fhwa.dot.gov/zerodeaths/zero\_deaths\_vision.cfm



#### TEXAS DEPARTMENT OF TRANSPORTATION

**To:** District Engineers

**From:** Michael A. Chacon, P.E.

Director, Traffic Safety Division

Michael A. Chacon, P.E.

OGD7FD6C5CEC46B...

Subject: Signing and Pavement Marking Updates Related to SB 1055 Pedestrian Safety

In response to SB 1055 (effective date September 1, 2021), TRF is offering the following guidance related to pedestrian related traffic control devices. SB 1055 amended Transportation Code to add that the operator of a vehicle must stop in addition to yield the right-of-way to pedestrians. Impacted pedestrian signing is revised from YIELD TO PEDESTRIANS to STOP FOR PEDESTRIANS and associated yield lines are revised to stop line pavement markings. Applicable signs and pavement markings are detailed in the attached table.

The revised signs and markings should be used in PS&E plans as soon as possible. Signs and pavement markings that are in the field should be updated through regular maintenance cycles.

We have revised the SHSD sign details for the STOP FOR PEDESTRIANS signs and these revisions will be incorporated into the next SHSD update. We have also created the SignCAD templates to help facilitate sign design. Please access the <a href="Stop for Pedestrian Signs - August 2021">Stop for Pedestrian Signs - August 2021</a> folder on the TRF. SharePoint site.

The SignCAD templates provided may also be added to the Favorites tab in SignCAD under "Add to Favorites" or C:\ProgramData\SignCAD\Favorites\Texas. If for any reason there is a SignCAD upgrade version, you will have to do this again.

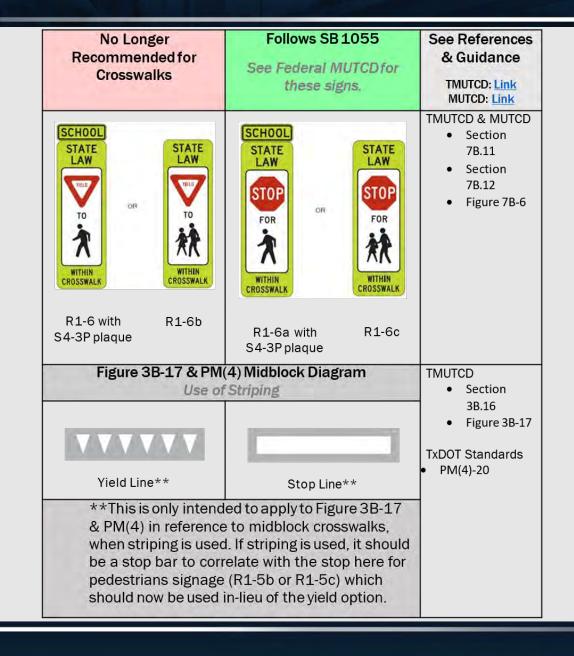
If you have any questions, please contact Rafael Riojas.

CC:

#### **TMUTCD & MUTCD**

No Longer Recommended for Crosswalks	Follows SB 1055 See Federal MUTCD for these signs.	See References & Guidance TMUTCD: Link MUTCD: Link
R1-5	HERE FOR X	TMUTCD & MUTCD
HERE TO PEDESTRIANS R1-5a	HERE FOR PEDESTRIANS  R1-5c	TxDOT Standards  • PM(4)-20  FHWA Interpretation (Guidance)  • Click Here
STATE LAW  WITHIN CROSSWALK  R1-6	STATE LAW STOP FOR WITHIN CROSSWALK R1-6a	TMUTCD & MUTCD  • Figure 2B-2  • Section 2B.12
STATE LAW  † YIELD TO PEDESTRIANS †  R1-9	STATE LAW  The stop for pedestrians the R1-9a	• Figure 2B-2 • Section 2B.12 • Section 7B.12
TURNING VEHICLES  TO T	TURNING VEHICLES TO THE PORT OF THE PORT O	TMUTCD • Figure 2B-27 • Section 2B.53  FHWA Interpretation (Guidance) Click Here

#### **TMUTCD & MUTCD**



# UPCOMING EVENTS AND TRAINING

Bicycle and Pedestrian Advisory Committee February 16, 2022

Chad Marbut, BPAC Vice-Chair















## Lifesavers **National Conference** on Highway Safety **Priorities** March 13-15 Chicago, IL

lifesaversconference.org

#### SAVE THE DATE!



2022

NATIONAL BIKE SUMMIT

MARCH 27-30, 2022

ONLINE & WASHINGTON, DC

# Texas Trails and Active Transportation Conference

April 27-29, 2022

\$250 (Early Bird Price, \$350 after February 27)

**REGISTER:** 

whova.com/portal/registration





SAVE THE DATE!



## National Planning Conference 2022

April 30-May 3, 2022 San Diego, CA

American Planning Association





# National Planning Conference Online 2022

May 18-20, 2022

The in-person and online conferences will each have unique content and sessions.

# American Planning Association



# Bike-to-Work Day May 20, 2022



# Master Plans Underway or Anticipated in 2022

- Carrollton Trails Master Plan (expected February 2022)
- Flower Mound Parks and Trails
   Master Plan (expected March 2022)
- City of Denton Mobility Plan (expected spring 2022)
- McKinney Trails Master Plan (expected spring 2022)

#### **Recently Completed**

Southlake Mobility Master Plan (December 2021 Adoption)

- City of Ennis Parks Master Plan (expected June 2022)
- Highland Village Trails Master Plan (expected fall 2022)
- Cedar Hill Trails Master Plan (expected fall 2022)
- Richardson Active Transportation Plan (expected fall 2022)
- City of Dallas Bikeways Master Plan (expected late 2022)

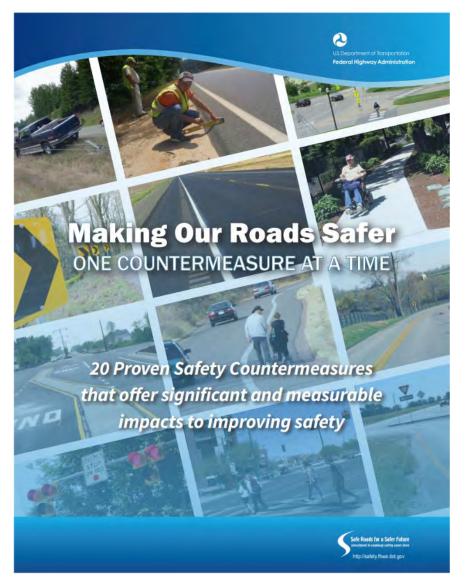
# Other Events or Training?

For any suggestions/topics for future training opportunities that NCTCOG can help coordinate or promote, please contact:

Bobby Kozub rkozub@nctcog.org



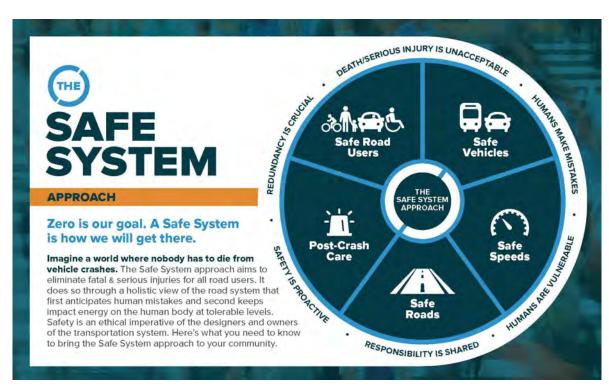




Source: FHWA

# History of the Proven Safety Countermeasures

- Launched in 2008
- Updated in 2012 and 2017
- 20 countermeasures
- Selection Criteria
  - Proven effective
  - Not widespread deployment
- Guidance and Technical Assistance



Source: FHWA

# PSCs Emphasize Our Priorities

- Complete Streets
- Safe System Approach
- Speed Management
- Equity
- Climate



https://safety.fhwa.dot.gov/provencountermeasures

# **Existing PSCs**

### **New PSCs**



Rectangular Rapid Flashing Beacons (RRFBs)



**Lighting (Intersection and Segments)** 



**Crosswalk Visibility Enhancements** 



Pavement Friction Management (CPFM and HFST)



**Wider Edge Lines** 



**Bicycle Lanes** 



**Variable Speed Limits** 



**Speed Safety Cameras** 



**Appropriate Speed Limits for All Road Users** 



- Pedestrian-actuated conspicuity enhancement
- Supplements Pedestrian, School, or Trail Crossing post-mounted warning signs
- Solar-powered or hard wired



Source: Toole Design Group

- Used at uncontrolled, marked crosswalks
- Effectiveness
  - 47% reduction in pedestrian crashes
  - Up to 98% motorist yielding rate
  - For best locations for installation see Table 1 of Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations

Roadway Configuration	Posted Speed Limit and AADT																										
	Vehicle AADT <9,000								Vehicle AADT 9,000-15,000								Vehicle AADT >15,000										
	≤3	35 mph			≥40 mph			≤30 mph			35 mph			≥40 mph			≤30 mph			35 mph			≥40 mph				
2 lanes (1 lane in each direction)	4	2 5	6	7	5	6 9	0	5	60	4	5	6	7	5	6 9	0	5	6	0 4 7	5	6 9	D 7	5	6 9	0	5	6
3 lanes with raised median (1 lane in each direction)	4	5	3	7	5	9	0	5	0	0 4 7	5	3 9	0	5	0	0	5	0	0 4 7	5	9	0	5	0	0	5	0
3 lanes w/o raised median (1 lane in each direction with a two-way left-turn lane)	4 7	5	3 6 9	7	5	6 6 9	0	5	0 6 0	0 4 7	5	3 6 9	0	5	0 6 0	0	5	0 6 0	0 4 7	5	6 9	0	5	6 6	① 5	6	0
4+ lanes with raised median (2 or more lanes in each direction)	7	5 8	9	7	5 8	9	0	5 8	0	0 7	5 8	9	0	5 8	0	0	5 8	0	0	5 8	0	0	5 8	0	0	5 8	0
4+ lanes w/o raised median (2 or more lanes in each direction)	7	5 8	6 9	0	5 8	0 0 9	0	5	000	F	5 8	0 0 9	0	5 8	000	0	5 8	000	0		000	0	5 8	000	0	5 8	000
Given the set of conditions in a city of the set of conditions in a city of the set of the counterment at a marked uncorrect onsidered, but not mandate engineering judgment at a crossing location.  Signifies that crosswalk visibility always occur in conjunction of the set of	asur ntrol asur ed or nark	e si rec ed u	cro hou tuin unc	ssin ld a ed, l ontr	lwa lwa olle	nys t ed i ed i	e ipor			1 2 3 4 5 6 7	Ro Ad an In- Cu	d cr ised van d yi Stre rb d	valk ross d cre ce Y eld eet F exter triar	ing issivited (sto edension re	war walk He ip) I estri	re T ine an	g si o (S Cro	eque gn Stop ssin	Her g si	nigh ne F gn	or)	Pede	ghi	ing	leve	ls.	1
countermeasures.*  The absence of a number signifies that the countermeasure is generally not an appropriate treatment, but exceptions may be considered following engineering judgment.										8 9	7 Rectangular Rapid-Flashing Beacon (RRFB)** 8 Road Diet 9 Pedestrian Hybrid Beacon (PHB)**																

Source: FHWA

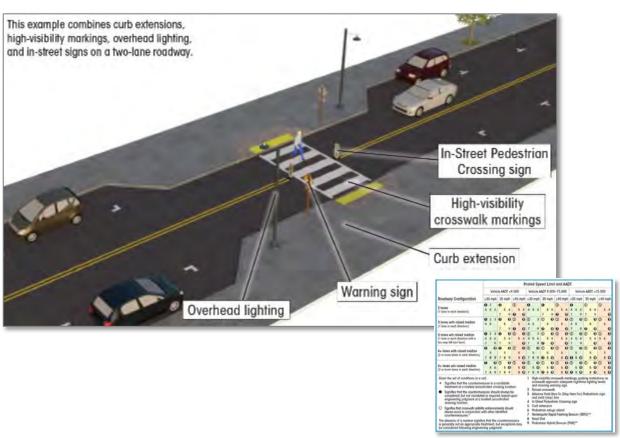
- For any approach, two RRFBs are required, one on left-side and one on right-side of roadway
  - If used on divided highway, should be installed on left-side of median if practical, rather than far left-side of roadway
- Flash period initiated each and every time a pedestrian is detected



Source: Peter Eun



- Consider at all midblock and uncontrolled crossings
- Crash Reduction Factors between
   23 48%
  - High visibility crosswalks
  - Signs
  - Curb Extension
  - Lighting
    - Place in advance of crosswalk
- Table 1 of Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations



Source: FHWA

### High visibility crosswalks

- Consider at all midblock and uncontrolled crossings
- Use inlay or thermoplastic tape (instead of paint or brick)
- Reduce pedestrian injury crashes up to 40%

#### Improved intersection lighting

- Place luminaires in forward locations
- Reduce pedestrian crashes up to 42%



Source: FHWA

# Advance Yield or Stop signage and markings

- 20-50 feet in advance of marked crosswalk
- Stop bar or Yield markings
- Better sight lines to reduces multi-threat crashes

### In-Street Pedestrian Sign

- Reminds drivers of state law
- Secure to the pavement





Source: Peter Eun

# Bicycle Lanes



# **Bicycle Lanes**

- New or existing roadways
- Consider separated lanes
- Use Bikeway Selection Guide to choose lane design



Source: FHWA

## Bicycle Lanes

#### Effectiveness

- Up to 57% reduction in total crashes on 4-lane undivided collectors and local roads
- Up to 30% reduction in total crashes on 2-lane undivided collectors and local roads



Source: FHWA

# New PSC Resources

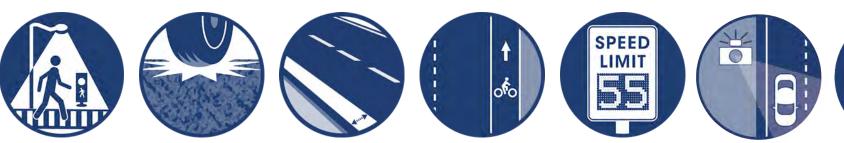




















 Proven Safety Countermeasures Home Proven Safety Countermeasures Filter Tool All 28 PSCs are listed at the bottom of the page in alphabetical order. Answer one or more of the following questions to obtain a tailored listing of potential PSCs for the location of interest. Users may select multiple answers for each question. After checking the desired box(es), click "Apply Filters," then the list of PSCs will update at the bottom of the page to match the query. Click "Clear Form" to remove all filters and return to the default display of all 28 PSCs. Select a countermeasure name to learn more including a description, safety effectiveness, context, application, and considerations for implementation. What type of area is the roadway located? What is the functional classification of the roadway? Freeway ☐ Highway ☐ Collector ☐ Local Which focus area is being addressed? What is vehicular volume in Average Annual Daily Traffic (AADT) along the major roadway? T Low (<2.000) Medium (2.000-15.000) ☐ High (>15,000) What problem is being addressed? What specific crash types are being targeted at the location? Inadequate Visibility, Conspicuity, or Sight Distance Left-Turn Right-Turn Non-Compliance (yielding right-of-way) Rear End Pedestrian/Bicyclist Driver inattention (distracted/drowsy) ☐ Head On Driver Impairment (alcohol/drugs) Run-Off-Road/Single Vehicle Sideswipe, same direction Sideswipe, opposite direction □ Nighttime Speed-related Rollover

PROVEN SAFETY COUNTERMEASURES (PSC) TOOLS

Filter countermeasures by focus area, crash type, problem identified, and area type.



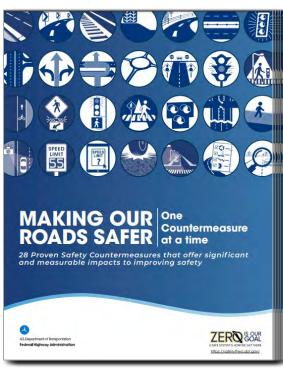
☐ Fixed-Object

Source: FHWA

## **Updated Site**

- **New look/branding**
- New search and filter tool
- **Focus areas:** 
  - Speed Management
  - Intersections
  - Roadway Departures
  - Ped/Bicyclist
  - Crosscutting





### Other Resources

- Overview Flyer
- PSC Booklet
- Videos
  - PSC Overview
  - Lighting



Source: FHWA

# Amelia (Millie) Hayes, P.E., PTOE, RSP<sub>21</sub> amelia.hayes@dot.gov



https://safety.fhwa.dot.gov/

https://safety.fhwa.dot.gov/provencountermeasures/

https://safety.fhwa.dot.gov/fas/

https://safety.fhwa.dot.gov/zerodeaths/zero\_deaths\_vision.cfm

Source: Fotosearch



# Sidewalk Workplan & Pedestrian Scrambles



Capital Projects/Engineering Department

Nathan George, AICP

Sr Planner: Bicycle, Pedestrian & ADA Coordinator

nathaniel.george@cityofdenton.com



### **Pedestrian Scrambles**



Capital Projects/Engineering Department



# Pedestrian Scramble "All Way Crossings"

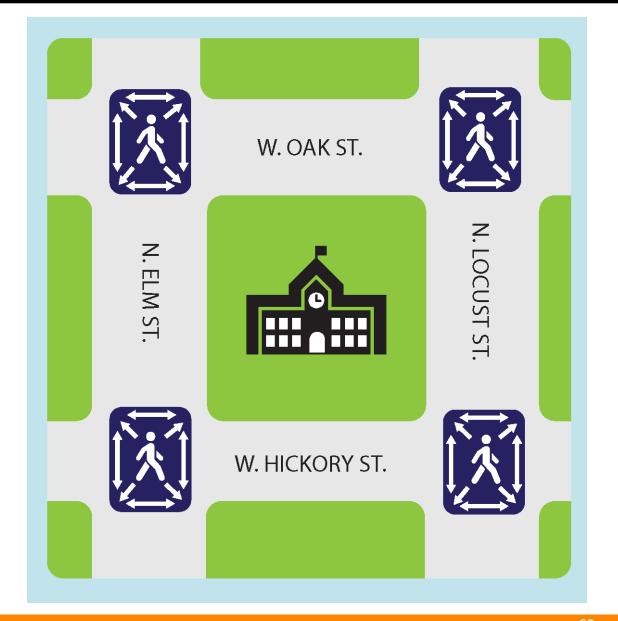
Vision: October 2019

Pilot Project: November 2019

6-month Monitoring & Public Input

Decision: July 2020

Design: Ongoing (60%)



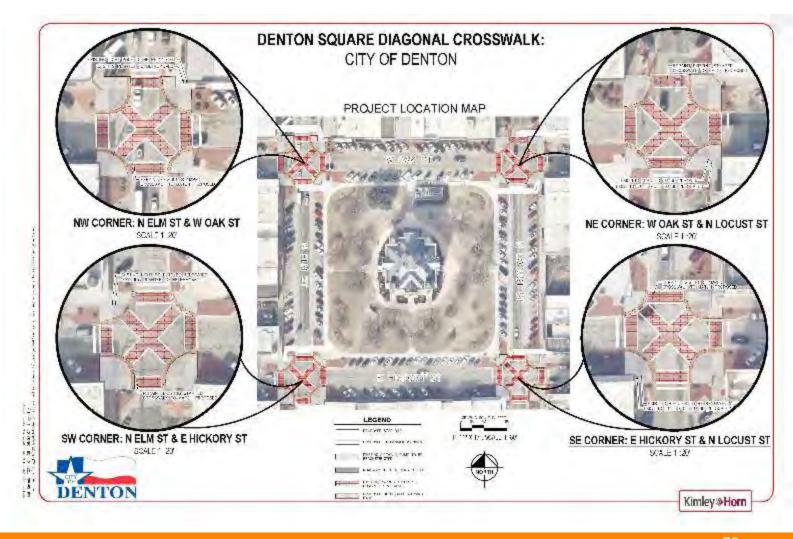


# Step 1: Pedestrianize the Square

Pilot implemented an exclusive pedestrian phase:

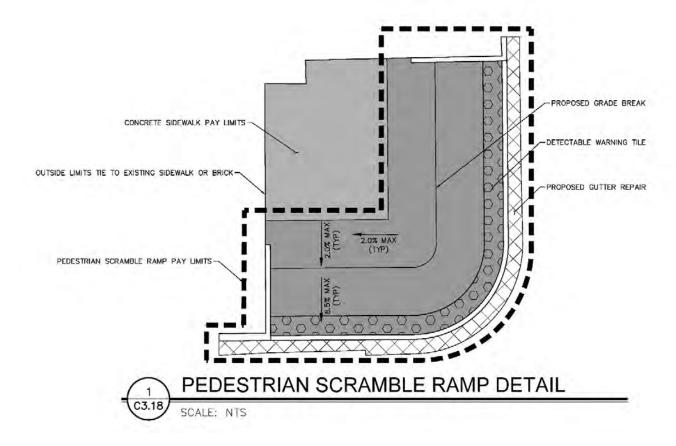
- All vehicular traffic stops, allowing pedestrians to cross in any direction
- Prohibit turns on red

Diagonal Crossings are permitted, but facilities are not provided





# Step 2: Upgrade the Intersections



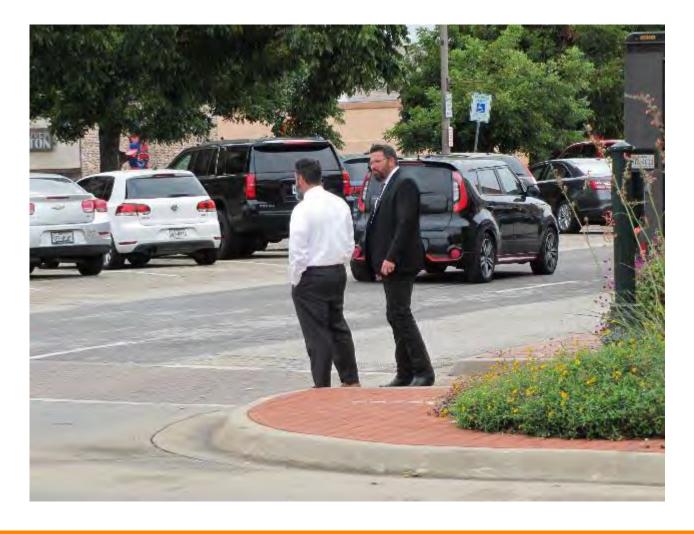
Making the operation permanent requires construction of facilities to address accessibility, provide diagonal crossings and associated signal equipment.



### The Road User

A <u>fundamental</u>
<u>assumption</u> of the
pedestrian scramble
signal operation:

Users will not encounter conflicts





# An Opportunity, or a Challenge

At intersections of oneway streets, pedestrians can still safely cross one leg of the intersection without conflict.





# **Serving Bicyclists**







### **Current Status & More Details**

All-Way Crossing Pedestrian Safety Improvement Project





Home a Construction and Improvement Projects a All-Way Crossing Downtown Pedestrian Safety Improvement Project

#### All-Way Crossing Downtown Pedestrian Safety Improvement Project

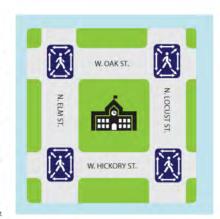
#### Latest News on the All-Way Crossing Downtown Pedestrian Safety Project

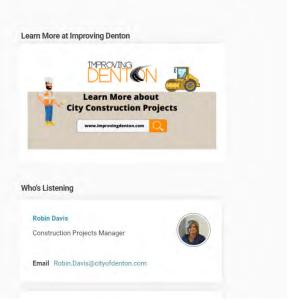
In November 2019, a pedestrian-only traffic phase known as an all-way crossing was implemented at four Downtown Denton intersections for a planned pilot project through spring 2020. The project tested the effectiveness of stopping all vehicle traffic when a walk signal is activated, allowing pedestrians to safely and simultaneously cross an intersection in any direction.

The all-way crossing pilot project is now complete. On March 16, 2021, the Denton City Council approved the Professional Service Agreement with Kimley-Horn and Associates for the design of the All-Way Crossings Pedestrian Improvements Project.

The pilot project will now be considered for full implementation at the downtown square intersections with curb enhancements, ADA improvements, and pavement striping.

Before the design is complete and implementation schedule is finalized, City staff hosting a virtual community meeting with community members on Thursday, April 22 at 11am and 6pm. to provide an additional feedback opportunity and update on the next





Project page: <a href="https://www.discussdenton.com/allwaycrossing">https://www.discussdenton.com/allwaycrossing</a>



#### **Project Timeline**



#### Project Under Design with Kimley-Horn and Associates 02 2021\*

Tentative timeline based on calendar year divided into four quarters, often abbreviated as Q1, Q2, Q3, and Q4.

- First quarter, Q1:1 January 31 March (90 days or 91 days in leap years)
- Second quarter, Q2: 1 April 30 June (91 days)
- Third quarter, Q3: 1 July 30 September (92 days)
- Fourth quarter, Q4: 1 October 31 December (92 days)



Tentative timeline based on calendar year divided into four quarters, often abbreviated as Q1, Q2, Q3, and Q4.

Final Design of All-Way Crossing Intersections Completed
02 2022

Tentative timeline based on calendar year divided into four quarters, often abbreviated as Q1, Q2, Q3, and Q4.

Advertise for Construction
Q2 2022\*

Tentative timeline based on calendar year divided into four quarters, often abbreviated as Q1, Q2, Q3, and Q4.

Begin Construction - Issue Notice to Proceed (NTP)
Q3 2022\*

Tentative timeline based on calendar year divided into four guarters, often abbreviated as Q1, Q2, Q3, and Q4.

# Sidewalk Workplan



Capital Projects/Engineering Department



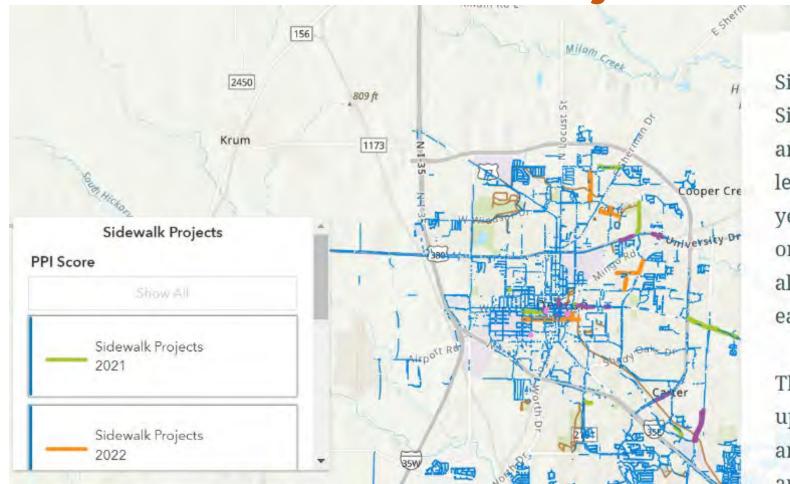
# Why a Sidewalk Workplan?

The City of Denton develops workplans to strategically deliver Capital Programs, in this case constructing new sidewalks.





**Current Sidewalk Projects** 



Sidewalk projects in the current
Sidewalk Workplan for 2021 - 2024
are presented on this map. The
legend is interactive, so the project
years of interest may be displayed,
or existing sidewalks not displayed,
allowing project areas to be more
easily identified.

The magnifying glass button in the upper left corner will also search for an address, to quickly navigate to



#### Leveraging Resources in our Workplan

#### How did staff prepare this Sidewalk Workplan?

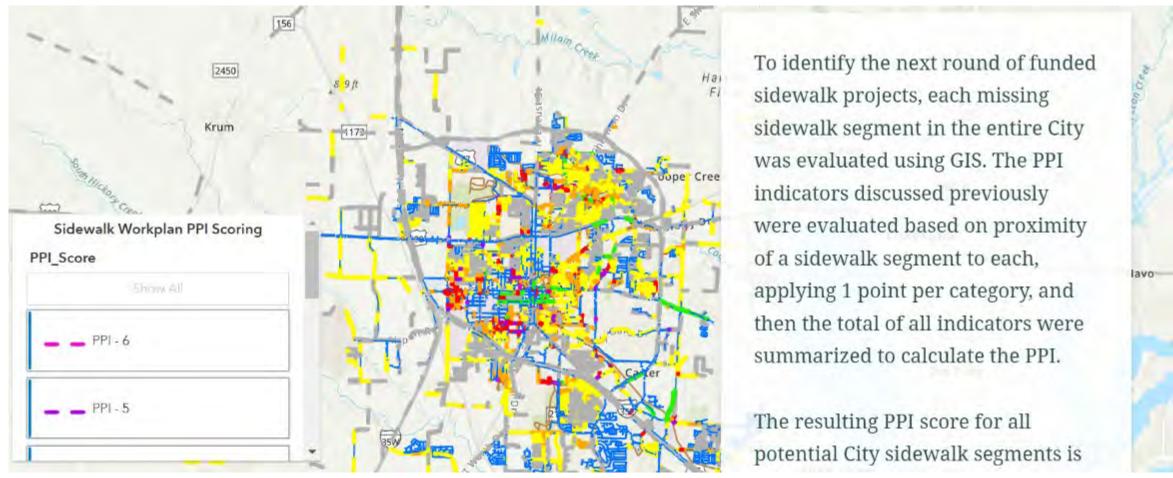
Denton recently developed an ADA
Transition Plan that assessed the
condition of the existing sidewalk
network, and identified missing
sidewalks throughout the City. In all,
nearly 450 miles of new sidewalks
are needed.

Staff is strategically planning for new sidewalks where they will





#### Data-Driven Sidewalk Project Planning





#### Pedestrian Potential Index (PPI)

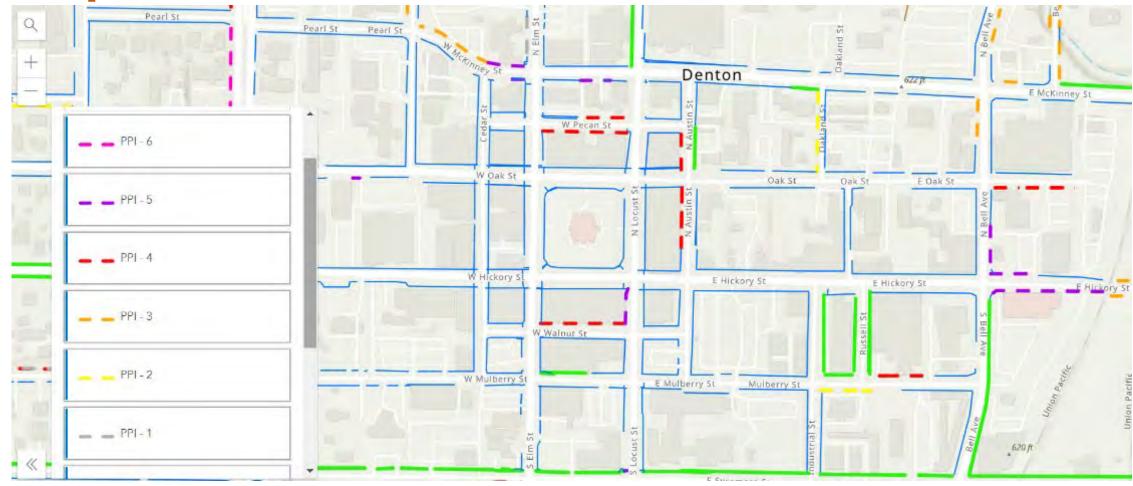
#### PPI includes:

- Major Streets
- Schools
- Government Facilities
- Points of Interest
- Crashes
- Gaps



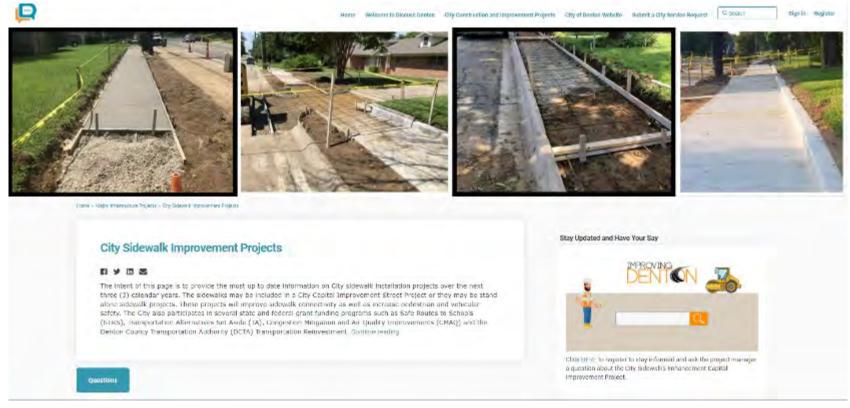


#### Snapshot of PPI in Downtown





#### **Current Status & More Details**



Project page: <a href="https://www.discussdenton.com/citysidewalks">https://www.discussdenton.com/citysidewalks</a>

Storymap: <a href="https://storymaps.arcgis.com/stories/bc652d6cbedf46a491c653b8ec2043af">https://storymaps.arcgis.com/stories/bc652d6cbedf46a491c653b8ec2043af</a>



#### Thanks!



Capital Projects/Engineering Department

Nathan George, AICP

Sr Planner: Bicycle, Pedestrian & ADA Coordinator

nathaniel.george@cityofdenton.com





#### BACKGROUND

**GOAL**: regional data resource for planning and analysis of sidewalk needs and impact

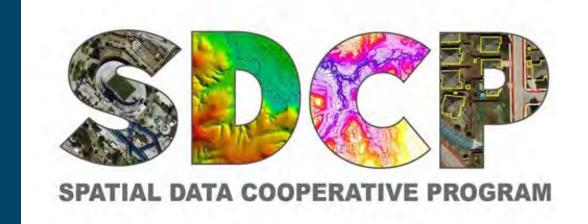
Long term: comparable to trails geodatabase

NCTCOG's Regional Information Services SDCP can provide a regional layer digitized from aerial imagery

NCTCOG sent a survey asking if cities have data or would like it purchased for them – due February 7<sup>th</sup> (73 cities responded)

See if your city responded here:

https://publish.smartsheet.com/9b642de2db0246a38f8250bc7f1a7b03





#### SCOPE OF PROJECT

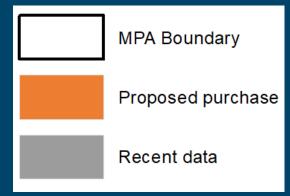
159 cities: Population over 1,000 in the Metropolitan Planning Area (12 counties)

17 cities: Received sidewalk Geographic Information Systems (GIS) data (2019 or later)\*

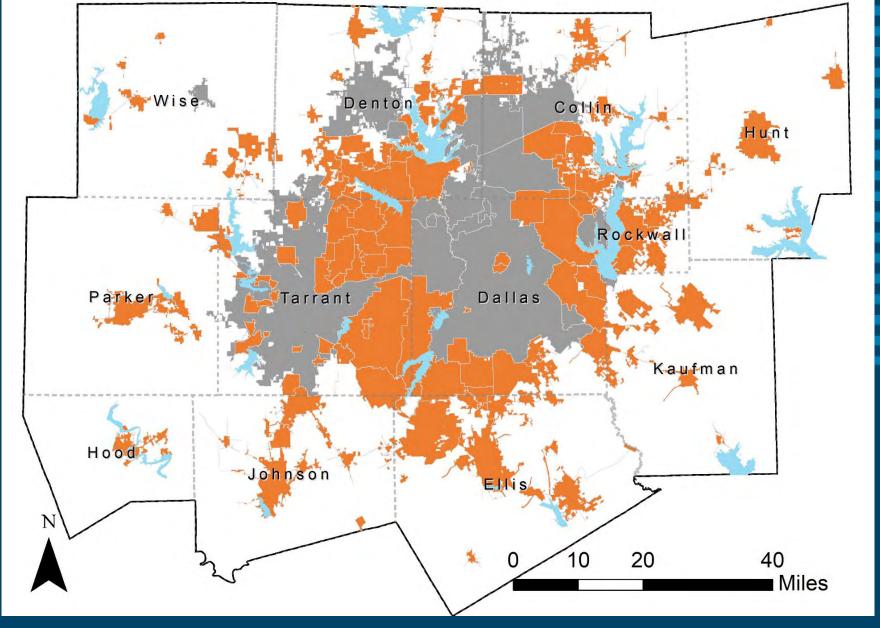
142 cities: New sidewalk GIS data purchased\*

\*Subject to adjustment pending ongoing coordination

### SCOPE OF PROJECT



\*Subject to adjustment pending ongoing coordination



#### NEXT STEPS

Does your city have updated sidewalk GIS data?

Contact Travis Liska <u>tliska@nctcog.org</u> if your city did not respond to survey before 2/7/22

See if your city responded here:

https://publish.smartsheet.com/9b642de2db0246a38f8 250bc7f1a7b03

COG will send follow up communications on partnership by STTC meeting on 3/25/22

Availability of data to be announced later in 2022

All cities: Assist NCTCOG with data quality control and updates as able. More information to come.





#### Questions?

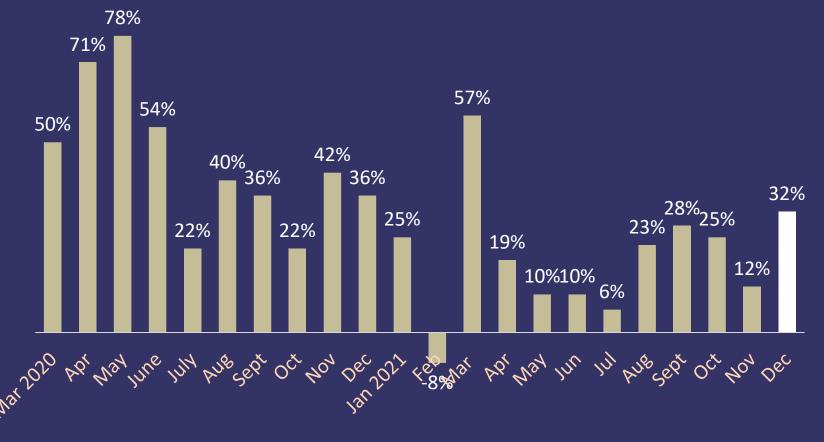
#### CONTACT US



Travis Liska
Principal Transportation Planner
<a href="mailto:tliska@nctcog.org">tliska@nctcog.org</a> | 817-704-2512</a>

# BICYCLE AND PEDESTRIAN TRAIL COUNTS

#### Increase in Full Week Trail Usage vs Baseline



Source: NCTCOG - collected at sites located in Plano, North Richland Hills, Denton, Dallas, Fort Worth, and Allen

Note: Baseline is March 2019-February 2020; No adjustments for weather were applied.

Note: Trail usage impacted in Feb 2021 by week-long winter storm

# Adopted Targets for Non-Motorized Safety Performance Measure Update

Bicycle and Pedestrian Advisory Committee

Daniel Snyder, AICP February 16, 2022

#### Background

"Number of Non-Motorized Fatalities and Serious Injuries"

is a Federal performance measure

 Fatalities and serious injuries are combined for federal reporting purposes

Based on 5-year rolling averages



#### Safety Target Setting and Performance

#### Adopted Statewide and Regional Safety Target:

**2%** reduction by 2022.

Performance Measure	Desired Improvement Trend	Current Trend*	2018 Target Met	2019 Target Met	2020 Target Met**
	North Central Texas (NCTCOG) Region				
No. of Non-motorized Fatalities and Serious Injuries	<b>1</b>	<b>*</b>	Yes	Yes	Yes

New Statewide Safety Target: 50% reduction in fatalities by 2035.



<sup>\*</sup>Current trend using data from the previous five years of available data (2016-2020)

<sup>\*\*</sup>FHWA expected to release state results in March 2022.

## NCTCOG Ongoing Safety-Related Policies, Programs, and Projects

Regional Transportation Council Position on Safety:

Even one death on the transportation system is unacceptable. Staff will work with our partners to develop projects, programs, and policies that assist in eliminating serious injuries and fatalities across all modes of travel.

#### **Active Transportation**

Education and Outreach - Look Out Texans
Regional Pedestrian Safety Plan
Bike/Ped Technical Training/Workshops
Safety Spot Improvement Program
Transportation Alternative Funding CFPs
"Routes to Rail Stations" Study
Safe Routes to School
Bicycle and Pedestrian Advisory Committee



#### **Contact Information**

#### Daniel Snyder, AICP

Senior Transportation Planner dsnyder@nctcog.org 817-608-2394

#### **Kevin Kroll**

Senior Transportation Safety Planner kkroll@nctcog.org 817-695-9258



# Anticipated Transportation Alternatives Call for Projects (North Central Texas Region)

Bicycle and Pedestrian Advisory Committee February 16, 2022



#### **Project Development Considerations**

- Construction-implementation focus
- All right-of-way and easements <u>must</u> be secured before application
- Coordinate with stakeholders such as TxDOT, railroads, neighborhoods, adjacent property owners, etc.
- Well defined project scope of work
- Schematics
- Opinions of Probable Construction Costs













#### Increased Funding to Improve Safety for People Walking, Biking, and Safe Routes to School

- Transportation Alternatives Program (Sec. 11109)
   Funding increased by 60 percent
- Safe Routes to School program (Sec. 11119)
   Recodifies into current law and expands it to cover high schools
- Complete Streets (Sec. 11206)
  Requires that states and MPOs adopt plans to consider the needs of multimodal road users of all ages, abilities, and travel modes.











#### Safe Streets and Roads for All (Sec. 24112)

- Federal funding opportunity for local governments
- Grant program administered by USDOT
- Support efforts to advance "vision zero" plans and other complete street improvements to reduce crashes and fatalities, especially for cyclists and pedestrians.
- The program will offer competitive grants to:
  - Develop a comprehensive safety action plan;
  - Conduct planning, design, and other developmental activities for projects and strategies identified in a comprehensive safety action plan; or
  - Implement projects and strategies identified in a comprehensive safety action plan
- Applications to USDOT are expected to open in May 2022

### Fort Worth to Dallas Regional Trail Branding and Wayfinding Project Update

#### **Project Activities:**

**Activities to Date** 

- Steering Committee
- Stakeholder Interviews (in progress)
- Virtual Open House #1

#### Upcoming Public Input: Virtual Open House #2

- Mid to late April
- Preliminary naming and branding concepts

#### **More Information:**

Project Website:

www.nctcog.org/FWtoDalTrail

Virtual Open House / Email List Sign-Up: <a href="https://fortworthtodallastrail.altaplanning.cloud/">https://fortworthtodallastrail.altaplanning.cloud/</a>

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**Contact:** 

Shawn Conrad sconrad@nctcog.org



NCTCOG Presentation