

Council of Governments

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)	 Welcome – Introductions Discussion of the November 17, 2021, BPAC meeting summary, and introduction of BPAC Members. 	Robert Caskey, Chair, City of 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
3:00– 3:15 (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
3:15 – 3:25 (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
3:25 – 3:55 (30 min)	 5. NCTCOG Updates a. Regional Sidewalk Data – Travis Liska b. Monthly Trail Counts – Daniel Snyder c. Adopted Targets for Crash Performance Measure Update – Daniel Snyder d. 2022 Transportation Alternatives Call for Projects – Kevin Kokes e. Competitive Infrastructure Funding Opportunities – Kevin Kokes f. Fort Worth to Dallas Regional Trail Update – Kevin Kokes 	Various NCTCOG Staff
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

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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.



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



Dallas Park & Recreation

Northaven Trail Crosswalk Enhancements

Bicycle and Pedestrian Advisory Committee February 16, 2022

14 Dallas Park & Recreation

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



17 Dallas Park & Recreation



Dallas Park & Recreation

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

Bicycle and Pedestrian Advisory Committee February 16, 2022

18 Dallas Park & Recreation

THE NORTH MAIN STREET IMPROVEMENTS PROJECT CITY OF MANSFIELD





Project Overview

2013 Transportation Alternatives Project

The project consisted of improvements to the N Main Street connection into the Historic Downtown to become more pedestrian and bicycle friendly. This was achieved by narrowing the drive lanes and providing 12' wide pedestrian/bike lanes on each side of the roadway. The roadway crosses Walnut Creek and the Union Pacific Railroad with the length of the project being approximately 3100 LF.

> FHWA Funding Received: \$924,221 City Funding Amount: \$1,710,037 Total Project Cost: \$2,634,258

Project completed in Jan 2019







North Bound Bike Lane Transition to the shared use path



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

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

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



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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 p 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:



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

- C A thtps://highways	.dot.gov/newsroom/dot-announces-historic-	-bridge-investment-under-bipartis	san-infrastructure-la	aw 🛄	6	£'≡	
An official website of the United States gov	vernment <u>Here's how you know</u> 🗸						
Intelatest general information on the Coro	onavirus Disease 2019 (COVID-19) is available on <u>(</u>	Coronavirus.gov. For USDOT specific C	COVID-19 resources, <u>p</u>	<u>olease visit our page</u> .			
🔕 United States Department of Transportati	on						
U.S. Department of Federal H				Search		Q	
Federal H Administr	ation	About FHWA	Programs	Resources	News	sroom	f
Home / <u>Newsroom</u>							y
Newsroom	DOT Announces I	Historic Bridge	Investm	nent Und	er		in
Press Releases	Bipartisan Infrast	•					
Speeches & Testimony	Friday, January 14, 2022						+
Media Contacts	More than \$27 billion to states a FHWA 01-22	and tribal transportation facili	ties to fix an estir	mated 15,000 bridរ្	ges natior	nwide	
Connect with Us	Contact: Nancy Singer Tel: (202) 366-0660						
Tags	WASHINGTON – The U.S. Departme Rehabilitation, Preservation, Protec President Biden's Bipartisan Infrast	tion, and Construction Progra	m (Bridge Formu	la Program), made	possible	by	
Bipartisan Infrastructure Law	Administration, represents the sing highway system – providing \$26.5 b million for Tribal transportation fac	le largest dedicated bridge inv illion to states, the District of (vestment since th Columbia and Pu	e construction of t erto Rico over five	the interst years and	d \$825	

Fiscal Year 2022 is \$5.3 billion along with \$165 million for tribes. The FHWA also published initial guidance on the new



of Transportation

Federal Highway Administration

Memorandum

Subject: ACTION: Bridge Formula Program (BFP) Implementation Guidance

From: Hari Kalla Hari Kalla Associate Administrator, Office of Infrastructure

To: 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

Date: January 14, 2022

In Reply Refer To: HIF-1

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 (https://www.fhwa.dot.gov/environment/bicycle_pedestrian/guidance/design.cfm); 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:

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Amelia (Millie) Hayes, P.E., PTOE, RSP₂₁

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

TEXAS DEPARTMENT OF TRANSPORTATION

To:	District Engineers	
From:	Michael A. Chacon, P.E. Director, Traffic Safety Division	DocuSigned by: Michael A. Chacon, P.E. 06D7FD6C5CEC468

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 <u>Stop for Pedestrian Signs – August 2021</u> 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

Reco	o Longer mmended for rosswalks	Follows SB 1055 See Federal MUTCD for these signs.	See References & Guidance TMUTCD: Link MUTCD: Link
	HERE TO R1-5	HERE FOR TO R1-5b	TMUTCD & MUTCD • Section 2B.11 • Section 3B.16 • Figure 3B-17
	HERE PEDESTRIANS R1-5a	HERE FOR PEDESTRIANS	TxDOT Standards • PM(4)-20 FHWA Interpretation (Guidance) • <u>Click Here</u>
	STATE LAW TO TO TO TO TO TO TO TO TO TO TO TO TO	STATE LAW FOR FOR CROSSWALK R1-6a	TMUTCD & MUTCD • Figure 2B-2 • Section 2B.12
X YIELD	STATE LAW TO PEDESTRIANS 🕅 R1-9	STATE LAW T STOP FOR PEDESTRIANS T R1-9a	 TMUTCD & MUTCD Figure 2B-2 Section 2B.12 Section 7B.12
V	R10-15	TURNING VEHICLES	TMUTCD • Figure 2B-27 • Section 2B.53 FHWA Interpretation (Guidance) <u>Click Here</u>

DocuSign Envelope ID: 374F2715-0060-43BF-A941-48D881FD9D69

TMUTCD & MUTCD



UPCOMING EVENTS AND TRAINING

Bicycle and Pedestrian Advisory Committee February 16, 2022

Chad Marbut, BPAC Vice-Chair





North Central Texas Council of Governments

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

lifesaversconference.org

2022 Since It Since It

SAVE THE DATE!



Texas Trails and Active Transportation Conference

April 27-29, 2022

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

whova.com/portal/registration





National Planning SAVE THE Conference **DATE!** 2022 APA April 30–May 3, 2022 San Diego, CA

American Planning Association
SAVE THE DATE!

APA

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

Designing Pedestrian Facilities for Accessibility (Virtual Workshop)

May 2022

Registration and Workshop Details COMING SOON

Facilitated by FHWA Resource Center

Anticipated PE Engineering Continuing Education and AICP Certification Maintenance

Bike-to-Work Day May 20, 2022



#BIKEMONTH BIKELEAGUE.ORG/BIKEMONTH

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



North Central Texas Council of Governments



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Crosswalk Visibility Enhancements

About Programs Resources Briefing Room Contact Search FHWA

Proven Safety Countermeasures

NA's Proven Safety Countermeasures initiative (PSCI) is a collection of countermeasures and strategies effective in reducing roadway fatalities and serious initiries on our Nation's highways. Transportation agencies are strongly NA'S Proven Safety Countermeasures initiative (PSCi) is a collection of countermeasures and strategies effective reducing roadway fatalities and serious injuries on our Nation's highways. Transportation agencies are strongly encouraged to consider widespread implementation of PSCs to accelerate the achievement of local, State, and reducing roadway fatalities and serious injuries on our Nation's highways. Transportation agencies are strongly encouraged to consider widespread implementation of PSCs to accelerate the achievement of local, State, and National safety goals.

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

FILTER TOOL »

area type.

way Administration

ROVEN SAFETY

OUNTERMEASURES

Safety Programs Initiatives Resources Contact

Proven Safety Countermeasure **Initiative 2021 Update**

Source: Fotosearch



Making Our Roads Safer ONE COUNTERMEASURE AT A TIME

2

20 Proven Safety Countermeasures that offer significant and measurable impacts to improving safety

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

Safe Roads for a Safer Future



Source: FHWA

PSCs Emphasize Our Priorities

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



Existing PSCs

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

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

Rectangular Rapid Flashing Beacons (RRFBs)



Rectangular Rapid Flashing Beacons (RRFBs)

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



Source: Toole Design Group

Rectangular Rapid Flashing Beacons (RRFBs)

- 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 2 lanes (1 lane in each direction)	Posted Speed Limit and AADT																										
	Vehicle AADT <9,000								Vehicle AADT 9,000-15,000							0	Vehicle AADT >15,000										
	≤30 mph			35 mph			≥40 mph			≤30 mph			35 mph			≥40 mph		≤30 mph			35 mph			≥40 mp			
	4	2 5	6	0	5	6 0	0	5	60	4	5	6	0	5	6 9	0	Б	6	0 4	5	6 9	0	5	6 9	0	5	-
3 lanes with raised median (1 lane in each direction)	04	1	3	0	5	9		5	00	0 4 7	5	3 9	0	5	00	000	5	-	047	5	9	000	5		0	5	
3 lanes w/o raised median (1 lane in each direction with a two-way left-turn lane)	0 4 7	2 5	369	0	5	0 6 9	0	5	0 6 0	0 4 7	5	3 6 9	0	5	0 0	0	5	6	0 4 7	5	0 6 9	0	5	0 6 0	0 5	6	
4+ lanes with raised median (2 or more lanes in each direction)	0	5 8	0 9	0	5 8	0	0	5 8	0	0 7	5 8	0 9	0	5	0	0	5	0	0	5 8	0	0	5 8	0	0	5 8	
4+ lanes w/o raised median (2 or more lanes in each direction)	0	5 8	0 6 9	0	5 8	0009	0	15 8	000	0	5 8	0009	0		000	0	Б	000	0	5 8	0	0	5 8	000	Θ	5 8	
 Given the set of conditions in a cell, Signifies that the countermeasure is a candidate treatment at a marked uncontrolled crossing location. Signifies that the countermeasure should always be considered, but not mandated or required, based upon engineering judgment at a marked uncontrolled crossing location. Signifies that crosswalk visibility enhancements should 								High-visibility crosswalk markings, parking restrictions on crosswalk approach, adequate nightfime lighting levels, and crossing warning sign Raised crosswalk Advance Yield Here To (Stop Here For) Pedestrians sign and yield (stop) line In-Street Pedestrian Crossing sign Curb extension																			
always occur in conjunction with other identified countermeasures.* The absence of a number signifies that the countermeasure is generally not an appropriate freatment, but exceptions may be considered following engineering judgment.										789	8 Road Diet																

Source: FHWA

Rectangular Rapid Flashing Beacons (RRFBs)

- 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

Crosswalk Visibility Enhancements



Crosswalk Visibility Enhancements

- 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



Crosswalk Visibility Enhancements

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

Crosswalk Visibility Enhancements

- 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



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





Updated Site

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





MAKING OUR One Countermeasure <

Other Resources

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



Source: FHWA

Amelia (Millie) Hayes, P.E., PTOE, RSP₂₁ 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

NCTCOG BPAC Meeting - February 2022

IMPROVING







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

IMPROVING

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:

<u>Users will not</u> 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

<u>** * * *</u>

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

All-Way Crossing Downtown Pedestrian Safety Improvement Project

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IMPROVING

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-Hom 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: https://www.discussdenton.com/allwaycrossing

Project Timeline

Project Under Design with Kimley-Horn and Associates Q2 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)

90% Design Community Meetings Q2 2022*

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 Q2 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 quarters, often abbreviated as Q1, Q2, Q3, and Q4.





Why a Sidewalk Workplan?

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

IMPROVING


Current Sidewalk Projects



IMPROVING

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 areas of interest

NCTCOG BPAC Meeting - February 2022

Navo

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

IMPROVING



Data-Driven Sidewalk Project Planning



IMPROVING

To identify the next round of funded sidewalk projects, each missing sidewalk segment in the entire City was evaluated using GIS. The PPI indicators discussed previously were evaluated based on proximity of a sidewalk segment to each, applying 1 point per category, and then the total of all indicators were summarized to calculate the PPI.

The resulting PPI score for all potential City sidewalk segments is

lavo-

Pedestrian Potential Index (PPI)

PPI includes:

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

IMPROVING



The Capital Projects Department's current sidewalk workplan projects were identified by calculating a PPI score of each segment under consideration, and establishing an annual program, based on scoring of each segment and available



Snapshot of PPI in Downtown

IMPROVING



Current Status & More Details



Figures - Major ministrationum Projecta - Cry Sideres & reprovement Projecta

City Sidewalk Improvement Projects

6 ¥ 8 8

The intent of this page is to provide the most up to date information on City sidewalk installation projects over the next three (3) calendar years. The sidewalks may be included in a City Capital Improvement Street Project or they may be stand alone addwalk projects. There is projects will improve addwalk connectivity as well as increase pedestrian and vehicular safety. The City also participates in several state and federal grant funding programs such as Safe Routes to Schools (SIRS), nancyortation Alemanters (CINAQ) and the Dentor County Transportation Authority (DCTA) Transportation Retrievestment, Continue reading

Chick bit so to tapater to stay informal and ask the project manager a question about the City Sidewald's Enhancement Capital Improvement Project.

Stay Updated and Have Your Say

Sigilis Registe

Project page: <u>https://www.discussdenton.com/citysidewalks</u> Storymap: https://storymaps.arcgis.com/stories/bc652d6cbedf46a491c653b8ec2043af



Thanks!

DENTON

Capital Projects/Engineering Department Nathan George, AICP Sr Planner: Bicycle, Pedestrian & ADA Coordinator nathaniel.george@cityofdenton.com





North Central Texas Council of Governments Regional Sidewalk Data Layer Purchase

Bicycle and Pedestrian Advisory Committee | 2.16.2022 Travis Liska, AICP

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 7th (73 cities responded)

See if your city responded here: <u>https://publish.smartsheet.com/9b642de2db0246a38f</u> <u>8250bc7f1a7b03</u>





SPATIAL DATA COOPERATIVE PROGRAM

86



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 <u>tliska@nctcog.org</u> 817-704-2512



BICYCLE AND PEDESTRIAN TRAIL COUNTS



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	1		Yes	Yes	Yes

New Statewide Safety Target: <u>50%</u> reduction in fatalities by 2035.



*Current trend using data from the previous five years of available data (2016-2020)

******FHWA expected to release state results in March 2022.

Observed safety performance is compared to targets on a two-year delay

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

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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









Questions?



North Central Texas Council of Governments

Infrastructure Investment and Jobs Act

Kevin Kokes

NCTCOG

February 16, 2022

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

<u>Transportation Alternatives Program</u> (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: https://fortworthtodallastrail.altaplanning.cloud/

Contact:

Shawn Conrad sconrad@nctcog.org

