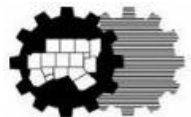


PROPOSED NATIONAL JUNETEENTH MUSEUM PARTNERSHIP

Surface Transportation Technical Committee

May 26, 2023



North Central Texas
Council of Governments
Transportation Department

BACKGROUND

- National Juneteenth Museum proposed to be located in Fort Worth on Rosedale Street east of IH 35W
- The community has requested regional funding for associated infrastructure:
 - Roadway
 - Sustainable Development/Parking/Land Use
 - Transit
 - Technology
 - Optimal Use of Green Space (i.e., public park)
- Supports City of Fort Worth investments/neighborhood revitalization projects (e.g., Evans and Rosedale Redevelopment project) in the same area



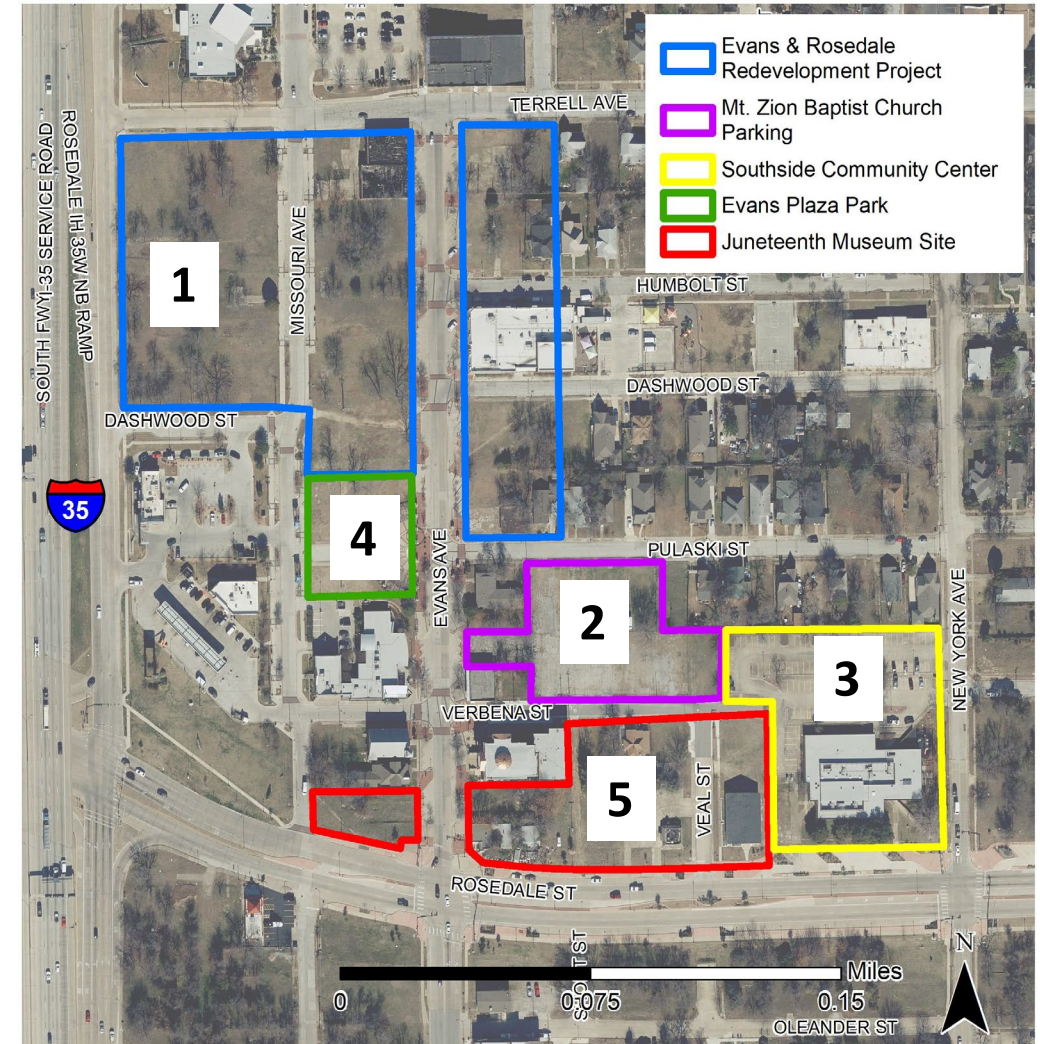
Source: National Juneteenth Museum

METHODOLOGY

- Reviewed construction elements related to transportation items for transit access, vehicular circulation, and landscaping/streetscaping
- Financial participation would involve traditional funding grants with the City of Fort Worth and/or Trinity Metro administering the funding

DEVELOPMENT CONTEXT

- City of Fort Worth Evans & Rosedale Redevelopment Project (#1)
 - City providing \$9 million public partnership with ~\$70 million from private developer, Hoque Global
 - At least 370 housing units (20 percent of them affordable), retail space, and a grocery tenant
 - Parking garage and surface lots, 400+ spaces
- Mt. Zion Baptist Church Parking (#2)
 - 11 lots, estimated 127 parking spaces
- Southside Community Center (#3)
 - 102 parking spaces. City reviewing options for future of the center.
- Evans Plaza Park (#4)
 - \$1.225 million from City committed to design and construction
- National Juneteenth Museum (#5)
 - Up to \$15M approved by City (pending private funding commitment for the Museum)



PROPOSED SITE



PROPOSED IMPROVEMENTS

TYPE	IMPROVEMENT	PROPOSED RTC FUNDING
Roadway	Realignment of East Rosedale at Veal Street intersection	\$750,000 STBG ¹
Sustainable Development/ Parking/Land Use	Reconstruct and manage parking (publicly owned/leased), add brick pavers and streetscape enhancements, add lighting and improve security; project will enhance travel and tourism	\$1,250,000 RTR ²
Transit	Construct a context-sensitively designed transit portico/ station at Rosedale and Veal Street, including real-time arrival/departure information	\$500,000 STBG ¹
Technology	Deploy broadband as a travel demand management program to reduce the need for single occupant vehicle travel	\$250,000 STBG ¹
Green Space	Management of public space to create/facilitate a walkable destination	\$250,000 RTR ²
	Total	\$3,000,000

¹ STBG = Surface Transportation Block Grant ; To be matched with regional Transportation Development Credits

² RTR = Regional Toll Revenue; No match required

PROPOSED ACTION

- Recommend RTC approval of:
 - Proposed investments at the future Juneteenth Museum (contingent upon the museum coming to fruition)
 - Amending the Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP) and updating any administrative and/or planning documents as needed to incorporate the project funding

CONTACT/QUESTIONS?

Christie J. Gotti
Senior Program Manager
Transportation Project Programming
cgotti@nctcog.org

Karla Windsor
Senior Program Manager
Sustainable Development
kwindsor@nctcog.org

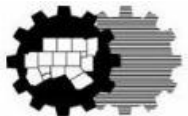
Shannon Stevenson
Senior Program Manager
Transit Management and Planning
sstevenson@nctcog.org

Connor Sadro
Transportation Planner
Transportation Technology and Innovation
csadro@nctcog.org

FIVE MILE CREEK TRAIL PARTNERSHIP WITH CITY OF DALLAS AND DISTRIBUTION OF FUNDS BETWEEN MPO REVOLVER AND RTC LOCAL FUND

Surface Transportation Technical Committee

May 26, 2023



North Central Texas
Council of Governments
Transportation Department

BACKGROUND

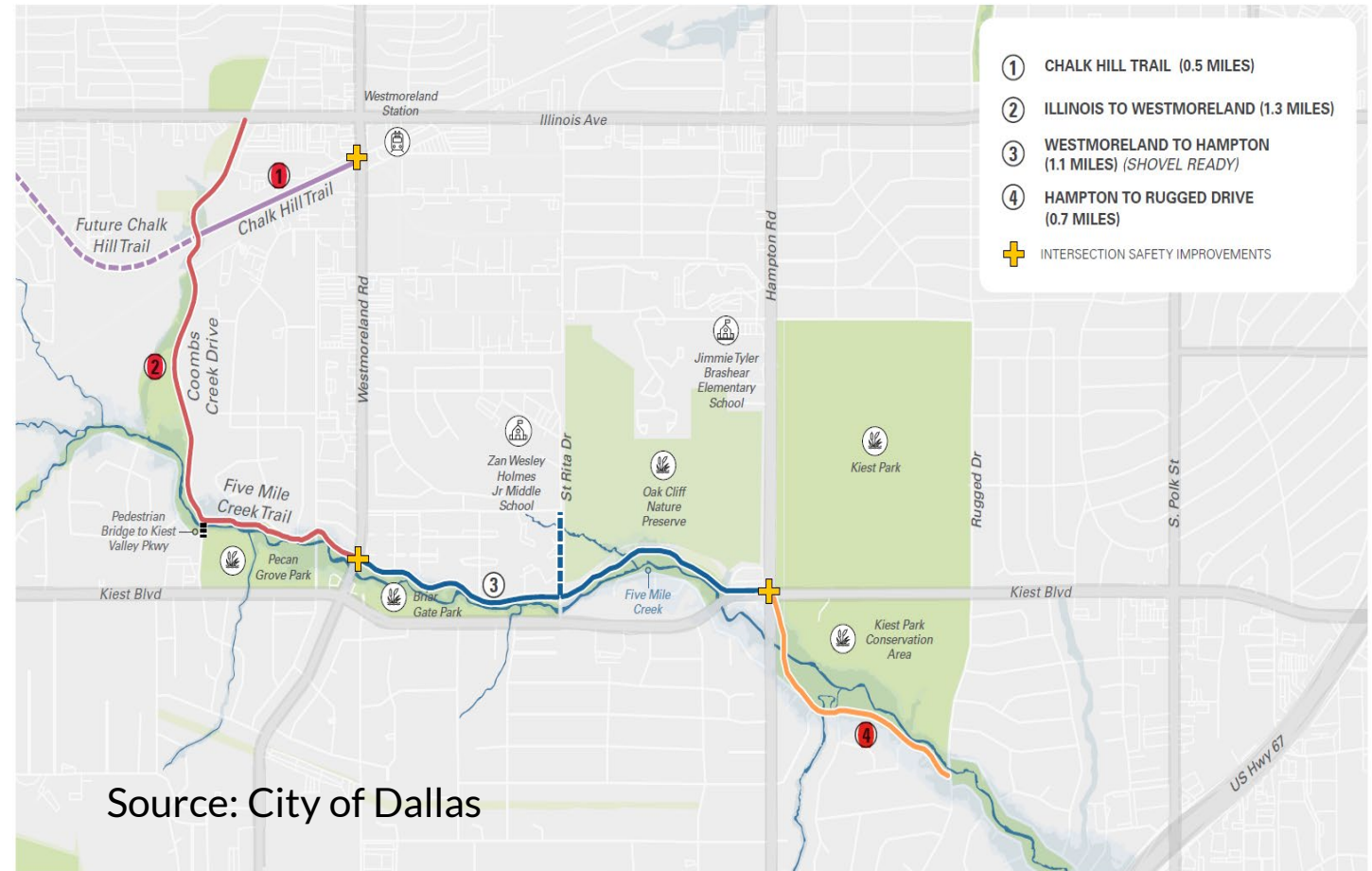
- The North Central Texas Council of Governments (NCTCOG)/Regional Transportation Council (RTC) is required to pay for expenses associated with projects and programs it implements before federal reimbursement can be requested.
- With the recent award of numerous federal discretionary grants that NCTCOG will be administering (e.g., BUILD, RAISE), the amount of funding needed to cash flow projects has increased significantly.
- NCTCOG would also like to expand the pool of RTC Local funds available to implement projects outside of the restrictive federal process.
- The RTC does not have taxing authority to generate revenue to pay these invoices and fund these projects, so a source of local dollars is needed.
- The “MPO Revolver Fund” and RTC Local funds are typically used for these purposes, but those funds are already committed, leading to the need for more local dollars.

BACKGROUND (CONT'D)

- In July 2022, the RTC directed staff to pursue a funding partnership with Dallas Area Rapid Transit (DART) or the City of Dallas to expand the Revolver Fund to cash flow federal grant projects and replenish the RTC Local funding pool.
- Two federal/local partnerships with DART and the City of Dallas are being finalized to accomplish these goals:
 - Allocation of MPO Revolver and RTC Local funds from the partnership with DART (partnership approved December 2022)
 - Five Mile Creek Partnership with City of Dallas (pending)
- A third partnership with DART and the City of Dallas was approved in December 2022 to facilitate the construction of two parking garages.

FIVE MILE CREEK TRAIL PARTNERSHIP WITH CITY OF DALLAS

- The City of Dallas approached NCTCOG regarding funding for part of the Five Mile Creek Trail and expressed interest in helping create local funds for the “MPO Revolver.”
- The trail would provide critical connections to numerous parks, schools, transit facilities, and other trails throughout south Dallas.



PROPOSED PARTNERSHIP

- In return for \$15.4 million of federal funding¹ for the project, the City would send \$10 million of local funds to the RTC.
 - \$1 million for engineering
 - \$14.4 million for construction
- Funding would be matched with regional Transportation Development Credits
- Sections 1, 2, and 4 of the trail would be designed and constructed with this funding.
- Contingent upon final action by the City
- May involve a subsequent trade with DART, City of Dallas, and the RTC to access these local funds

¹ Congestion Mitigation and Air Quality Improvement Program, Surface Transportation Block Grant, or Carbon Reduction Program

PROPOSED DISTRIBUTION BETWEEN MPO REVOLVER AND RTC LOCAL POOL

- Between this partnership and DART partnership approved in December 2022, a total of \$50 million of local funds would be available to the RTC for use for the Revolver fund and RTC Local pool.
- The following distribution between the two is proposed:
 - Add \$5 million to the Permanent Revolver fund for a total of \$15 million (that fund already has \$10 million)
 - Add a Temporary Revolver with \$10 million that would serve as a capital fund and “emergency relief valve” for the Permanent Revolver, if needed
 - Add the remaining \$35 million to the RTC Local account

APPROVAL TIMELINE

Meeting/Task	Date
STTC Action (DART Partnership)	December 2, 2022
RTC Action (DART Partnership)	December 8, 2022
Executive Board Action (DART Partnership)	January 26, 2023
Public Meeting	March 13, 2023
STTC Action (Five Mile Creek Partnership & Fund Distribution)	May 26, 2023
RTC Action (Five Mile Creek Partnership & Fund Distribution)	June 8, 2023
Executive Board Action (Five Mile Creek Partnership & Fund Distribution)	June 22, 2023

PROPOSED ACTION

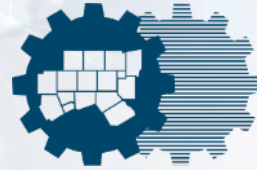
- Recommend RTC approval of:
 - Proposed Five Mile Creek Trail partnership
 - Proposed distribution of local funding into the MPO Revolver fund and RTC Local pool
 - Contingent upon approval by the City of Dallas
 - Amending the Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP) and updating any administrative and/or planning documents as needed to incorporate the project funding

CONTACT/QUESTIONS?

Christie J. Gotti
Senior Program Manager
Ph: (817) 608-2338
cgotti@nctcog.org

Brian Dell
Principal Transportation Planner
Ph: (817) 704-5694
bdell@nctcog.org

Cody Derrick
Senior Transportation Planner
Ph: (817) 608-2391
cderrick@nctcog.org



North Central Texas Council of Governments

Work Zone Data Exchange Project

Thomas J. Bamonte
Technology & Innovation

Surface Transportation Technical Committee

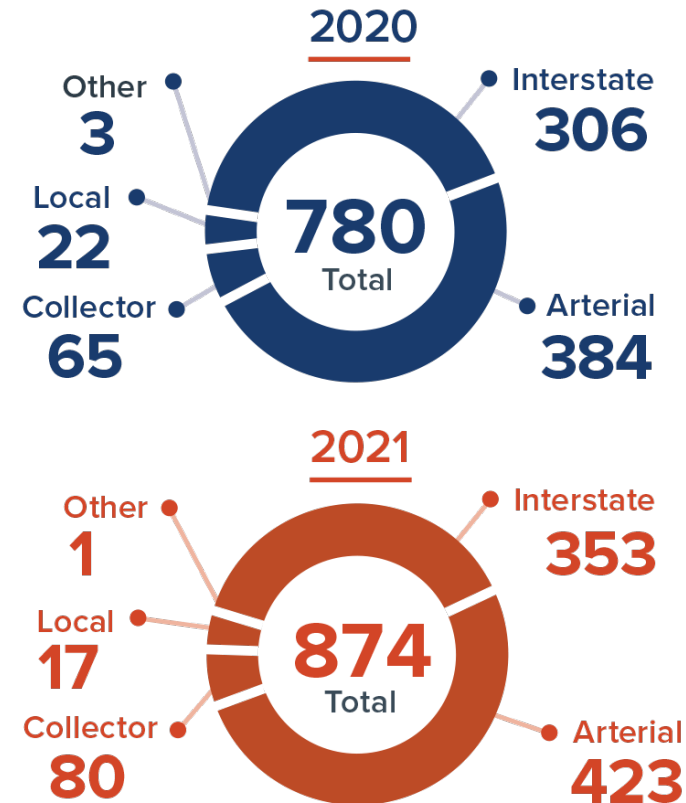
5.26.23

Work Zones and Safety

In 2022, more than 25,000 traffic crashes occurred in work zones in Texas, resulting in 205 deaths—approximately one-fifth of US total--and another 788 serious injuries.

Source: [TxDOT](#)/FHWA

Based on NHTSA FARS data by type of roadway

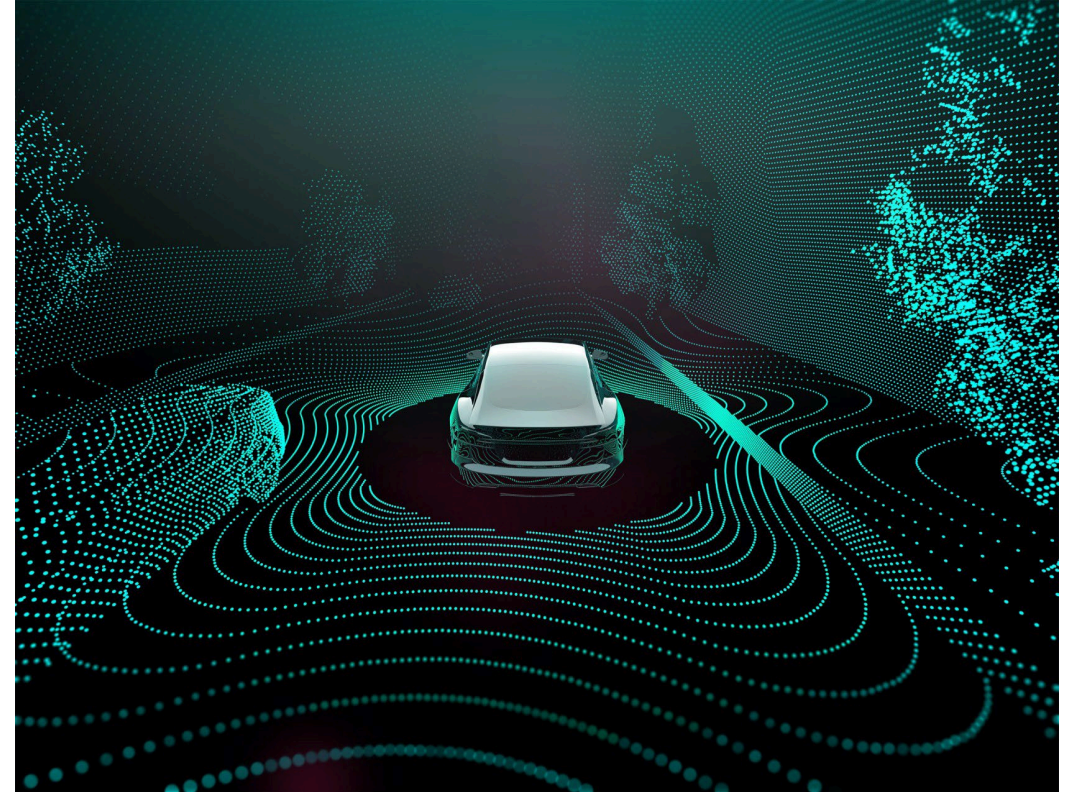


Source: FHWA

Work Zones and Vehicle Operations



Source: Ford



Source: Zenesact

Work Zones and Roadway Operations

Identifying work zones
Monitoring work zones
Reporting work zones

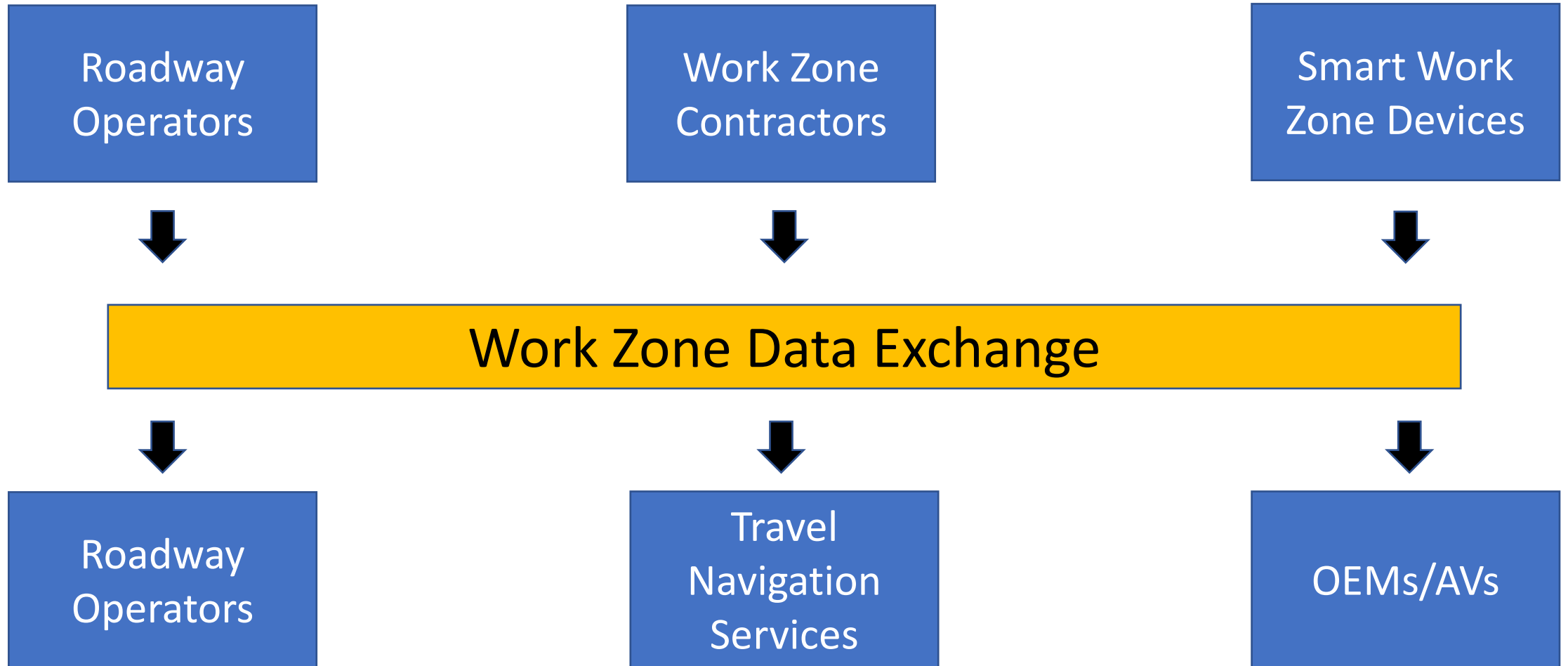


Source:

What is the Work Zone Data Exchange?

Inspired by the General Transit Feed Specification (GTFS), the [Work Zone Data Exchange \(WZDx\) Specification](#) enables IOOs to make harmonized work zone data available for third parties – including OEMs and navigation applications – to access and use these data across various jurisdictions. --USDOT

Work Zone Data Exchange



NCTCOG's TXSHARE Cooperative Purchase of WZDx Services

Three categories of services

1. Convert raw work zone data into WZDx format
2. Establish WZDx-compliant reporting system
3. General WZDx services

Five vendors under contract:

- Blynco
- iCone
- Mixon Hill
- Navjoy
- One.Network



Project

1. Call for proposals and assistance from regional partners
2. Based on regional input, order WZDx services from NCTCOG's existing contracts
3. Implement WZDx services with local partners
 - Identify
 - Monitor
 - Report
4. Assign existing funding to meet needs

Contact

Thomas Bamonte
Senior Program Manager
Transportation Technology & Innovation
North Central Texas Council of Governments
tbamonte@nctcog.org
469-600-0524
Twitter: [@TomBamonte](https://twitter.com/TomBamonte)



More Information



North Central Texas Council of Governments

Safe Streets and Roads for All Regional Planning Grant Application

Surface Transportation Technical Committee
5.26.2023

Karla Windsor

Safe Streets & Roads for All (SS4A) Grant Program

- ❑ Created through the Bipartisan Infrastructure Law (BIL)
- ❑ Purpose: prevent deaths and serious injuries on our roadways
 - Focus on comprehensive safety action planning and implementing projects/strategies identified in safety action plans
- ❑ \$5 billion discretionary grant program
 - \$1 billion per year over five years
- ❑ Inclusive of all types of roadway safety interventions across the Safe Systems Approach
- ❑ One application per agency allowed



Safe Streets & Roads for All Grant Program

Funding Availability

\$577 Million**

– Planning/Demonstration
(National)

\$600 Million

– Implementation
(National)

< 15% per State

– Overall Program

Minimum Award*

\$100,000

– Planning/Demonstration

\$2.5 Million

– Implementation

Maximum Award*

\$10 Million

– Planning/Demonstration

\$25 Million

– Implementation

Cost Sharing

80% Federal | 20 % non-Federal

Applicant/Condition Eligibility

1. MPOs
2. Political Subdivision of a State
(City, Town, County, Transit Agency, Special District, etc.)
3. Tribal Government
4. Multi-Jurisdictional Group of Above Entities

* There is no minimum or maximum award amount; however, the NOFO provides expected minimum and maximum ranges for applicant consideration.

**Includes \$177 million rollover from FY22



NCTCOG Regional Safe Streets Planning/Demonstration Grant Project

Advancing Regional Multimodal Safety

Conduct additional planning in targeted corridors recommended by the *Regional Roadway Safety Plan* and the *Regional Pedestrian Safety Action Plan*:

- Road Safety Audits
- Safe Routes to Schools Planning

Gather in-depth data in targeted highest risk corridors

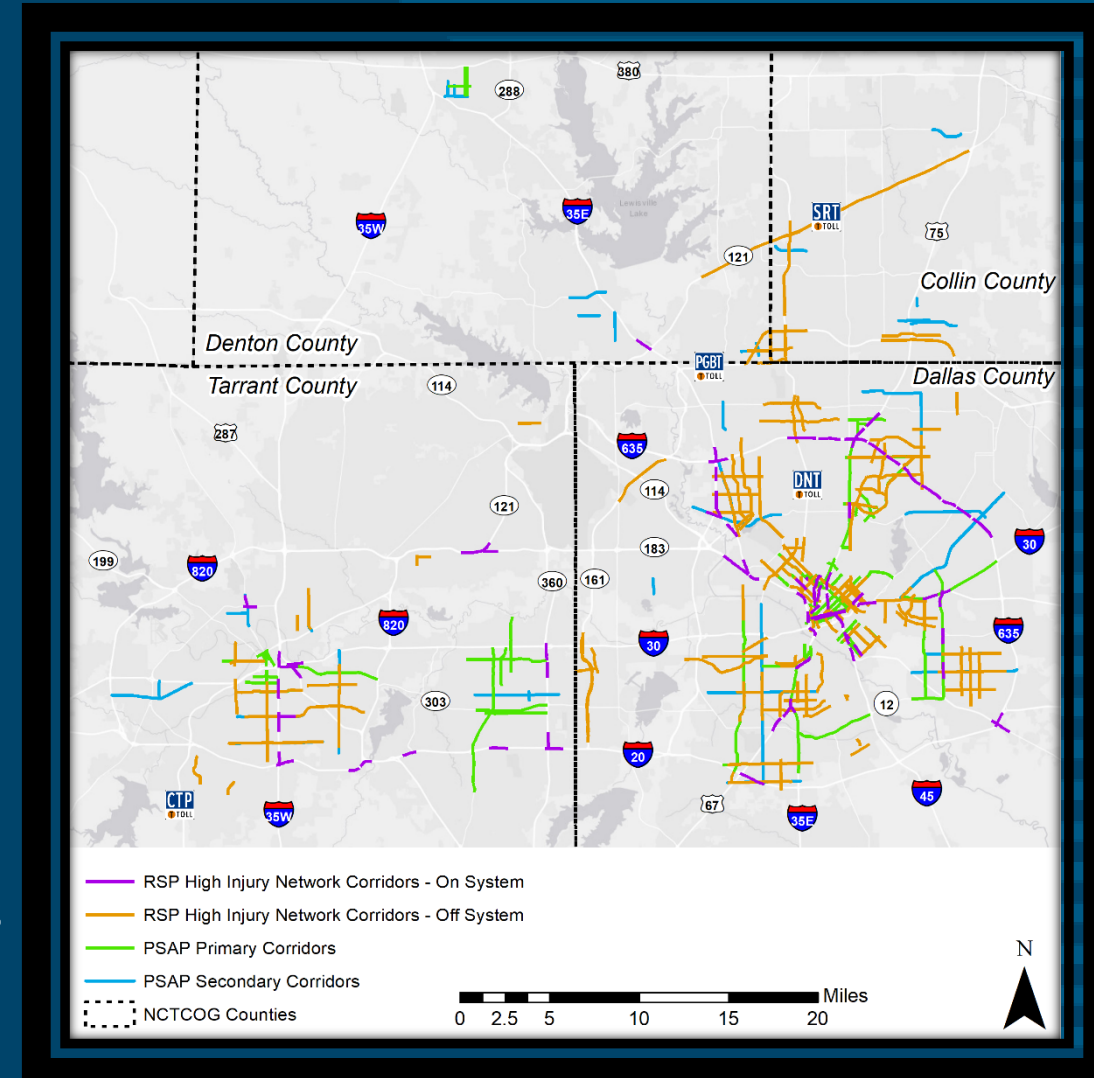
- Existing conditions to assist with cost estimates (e.g. lighting, ADA, utilities, land uses)
- Traffic / user counts

Demonstration Activities

- Education, Enforcement, Evaluation, Electronic Tools



Safe Streets and Roads for All Grant Application



NCTCOG Regional Safe Streets Planning/Demonstration Grant Application

Anticipated Budget

Total Planning Budget	Federal (SS4A)	Non-Federal Match	Match Source
\$6,250,000	\$5,000,000	\$1,250,000	Regional Toll Revenue



City of Dallas Safe Streets Implementation Grant Project

Martin Luther King, Jr Blvd / Cedar Crest Blvd

Implement safety countermeasures to address the safety of all modes of transportation including motor vehicle, transit, bicycle, and pedestrian:

- Complete street (context-sensitive) retrofit
- DART Bus Stops / Smart Shelters upgrades
- Technology upgrades
- Submitted by NCTCOG as lead in 2022 for implementation; will be resubmitted by City of Dallas with NCTCOG/DART partnership.



City of Dallas Application Safe Streets Implementation Grant

Anticipated Budget

Component Name	Project Cost	Federal (SS4A)	Non-Federal Match	Match Source
Complete Street (Context Sensitive) Retrofit, Safety, and Technology Upgrades	\$26,250,000	\$21,000,000	\$5,250,000	City of Dallas
DART Bus Stop / Smart Bus Shelter Upgrades	\$1,000,000	\$800,000	\$200,000	DART
Total	\$27,250,000	\$21,800,000	\$5,450,000	



Schedule

Date	Milestone
March 30, 2023	NOFO Released
May 26, 2023	STTC Action
June 8, 2023	RTC Action
June 22, 2023	Executive Board Endorsement (NCTCOG Regional Safety Planning Grant Application)
July 10, 2023	Applications Due (will submit Friday – July 7 th)



Requested Action

Recommend RTC approve the NCTCOG planning/demonstration project grant application for the FY 2023 Safe Streets and Roads for All (SS4A) Discretionary Grant program.

Recommend RTC approve the use of \$1,250,000 in Regional Toll Revenue funds for non-federal match should the project be selected for funding.

Recommend staff to administratively amend the TIP/STIP and other planning/administrative documents to incorporate these changes.

Recommend RTC endorsement of partnership for the City of Dallas application submittal of the MLK Jr Blvd/Cedar Crest Blvd Implementation grant.



CONTACT



Karla Windsor, AICP

Senior Program Manager

kwindor@nctcog.org | 817-608-2376

Kevin Kokes, AICP

Program Manager

kkokes@nctcog.org | 817-695-9275

Stu Burzette

Transportation Planner

sburzette@nctcog.org | 817-704-5686

Natalie Bettger

Senior Program Manager

nbettger@nctcog.org | 817-695-9280

Sonya Landrum

Program Manager

slandrum@nctcog.org | 817-695-9273

Kevin Kroll

Senior Transportation Planner

kroll@nctcog.org | 817-695-9258

Michael Misantonis

Transportation Planner

mmisantonis@nctcog.org | 817-608-2384





FEDERAL AND STATE LEGISLATIVE UPDATE

NICK ALLEN

NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

Surface Transportation Technical Committee

May 26, 2023

FEDERAL UPDATE

DEBT CEILING

- House of Representatives set to leave Washington DC for the Memorial Day weekend without a debt limit compromise.
- Failing to raise the debt limit by June 1 will result in a first-ever default.



TEXAS LEGISLATURE DATES OF INTEREST

May 20, 2023

Last day for House committees to report SBs and SJRs

May 28, 2023

Last day to adopt conference committee reports

June 18, 2023

Last day Governor can sign or veto bills

May 23/24, 2023

Last day for House to consider 2nd reading SBs and SJRs /3rd reading

May 29, 2023

Corrections only; final day of the 88th Regular Session



STATE BUDGET

HB 1 HOUSE

- House Approved \$302.6B Budget on April 6
- Senate appointed conference committee members
- Conferees: Huffman (Chair), Nichols, Kolkhorst, Creighton and Schwertner

HB 1 SENATE

- Senate Approved \$308B Budget on April 17
- House appointed conference committee members
- Conferees: Bonnen (Chair), Gonzalez of El Paso, Jetton, VanDeaver and Walle

NOTE: Conference committee report filed May 24



BILLS OF INTEREST

Transportation Funding

- **SB 505** Would create a \$200/\$400 Electric vehicle fee. **Signed by Governor; effective 9/1**
- **SCR 2** Would extend Proposition 7 by 10 years. **Sent to Governor 5/22**
- **HB 2230** Would eliminate the expiration date of Proposition 1, making the revenue stream permanent. **Sent to Governor 5/22**



BILLS OF INTEREST

Safety

- **HB 898** Harsher penalties for the Move Over, Slow Down Law. **Sent to Governor 5/22**
- **HB 1885** TTC authority to establish a variable speed limit program. **Sent to Governor 5/24**

Temporary Tags

- **HB 718** Issuance of metal plates. **Passed House & Senate 5/24**
- **HB 914** Temp tag tampering penalties. **Signed by Governor, effective 9/1**
- **HB 2195** Increases penalties for fictitious, altered plates. **Sent to Governor 5/22**



BILLS OF INTEREST

Local Government

- **HB 2127** State preemption of municipal and county regulations. **Sent to Governor 5/24**
- **SB 784** State preemption of local greenhouse gas regulations. **Signed by Governor, effective 9/1**

Air Quality

- **SB 1397** TCEQ continuation. **House & Senate concurred on amendments 5/23**
- **SB 1732** Creates standards for EV charging stations. **Signed by Governor; effective 9/1**



BILLS OF INTEREST (May still pass legislature)

Misc. Transportation

- **HB 2265** Awards compensatory damages caused by delays in government construction projects. **Placed on Senate intent calendar 5/24**

Unmanned Aircraft

- **SB 1308** Prohibits drones over airports & military installations. **Placed on Senate Items Eligible calendar 5/24**

Safety

- **HB 3297** Elimination of vehicle safety inspection for noncommercial vehicles. **House refused to concur; Conferees selected**



CONTACT US



Rebekah Gongora

Communications Manager

rgongora@nctcog.org | 682-433-0477



Nick Allen

Communications Coordinator

nallen@nctcog.org | 817-704-5699

NCTCOG Legislative Updates: www.nctcog.org/legislative

Texas Legislature Online: <https://capitol.texas.gov/>



MULTIMODAL PROJECTS DISCRETIONARY GRANT (MPDG) PROGRAM – INFRA/MEGA/RURAL



JEFFREY C. NEAL – SENIOR PROGRAM MANAGER

SURFACE TRANSPORTATION TECHNICAL COMMITTEE (STTC) – INFORMATION ITEM – May 26, 2023

FY 23 Multimodal Projects Discretionary Grant (MPDG) Program

Overview of Combined Solicitation – INFRA, MEGA, & RURAL Grants

INFRA – Nationally Significant Multimodal Freight/Highway Projects

Available Funds (Project Type)

\$1.55 Billion

– All Projects (FY 23)

85% – Large

– Costs > \$100M

15% – Small

– Costs < \$100M

Federal Cost Share/Match

Up to 60%

– INFRA Grant Request
(no award minimum)

Up to 80%

– Federal (overall)

Award Size

No Maximum

– All Projects

\$25 Million

– Minimum (Large)

\$5 Million

– Minimum (Small)

- **Obligation Deadline:** 9/30/2026
- **Construction Start Deadline:** 3/30/2028

■ **Uniform Selection Criteria:**

- Safety
- Economic Impacts, Freight Movement, & Job Creation
- State of Good Repair
- Climate Change, Resiliency, & the Environment
- Innovation
- Equity, Multimodal Options, & Quality of Life

■ **Economic Analysis (Benefit-Cost Ratio)**

■ **Project Readiness Analysis:**

- Technical Assessment
- Environmental Review/Risk Assessment
- Financial Completeness

■ **Application Deadline:** August 2023 (early)

MEGA – National Infrastructure Project Assistance Program

Available Funds (Project Type)

\$1 Billion

– All Projects (FY 23)

Cost > \$500M

– 50% Available Funds

Cost \$100-500M

– 50% Available Funds

Federal Cost Share/Match

Up to 60%

– MEGA Grant Request
(no award min./max.)

Up to 80%

– Federal (overall)

- **USDOT “seeks projects that will begin construction before 9/30/2026”**

RURAL – Rural Surface Transportation Grant Program

Available Funds (Project Type)

\$300 Million

– All Projects (FY 23)

Lane Departures

– 15% (not Texas)

Appalachians

– 25% (not Texas)

Federal Cost Share/Match

Up to 80%

– RURAL Grant Request
(no award minimum)

Up to 100%

– Federal (overall)

Award Size

No Maximum

– All Projects

\$25M Minimum

– 90% of Projects

No Minimum

– 10% of Projects

- **Obligation Deadline:** 9/30/2026
- **Construction Start Deadline:** 3/30/2028

FY 23 Multimodal Projects Discretionary Grant (MPDG) Program

Candidate Project List/Details – DRAFT

PROJECT				COST / FUNDING STATUS						
TITLE	DESCRIPTION / LIMITS	NEW?	E/W	NON-FEDERAL			FEDERAL			TOTAL COST
				NCTCOG / TxDOT	Local / Private	%	NCTCOG / TxDOT	MPDG Amount (Grant Type)	%	
FY 23 MPDG CANDIDATE PROJECTS – NCTCOG (as lead applicant)										
Dallas County Inland Port (DCIP) Multimodal Connectivity Project	Rebuild Belt Line Rd. (Lancaster Hutchins Rd. – East of Mason Rd.) & Sunrise Rd. (Belt Line Rd. – Loop 9) to 4-lane arterials w/ side paths for better mobility/accessibility.	NO <i>(FY 22 MPDG)</i>	EAST	N/A	\$16,995,000	21%	\$20,530,000	\$45,000,000 (INFRA/RURAL)	79%	\$82,525,000
US 80 Corridor/IH 635 Junction Reconstruction Project – Mesquite	Rebuild US 80 (Town East Blvd. – Belt Line Rd.), plus IH 635 interchange, to address multimodal mobility, safety, & access needs.	NO <i>(FY 19 BUILD)</i>	EAST	\$96,552,031	N/A	20%	\$162,270,889	\$223,937,231 (INFRA)	80%	\$482,760,151
Alliance Smart Port Deployment & SH 170 Connections Project	Deliver comprehensive infrastructure assets (including SH 170/Intermodal Pkwy. direct connectors), smart technology deployments, & new EV/alternate fuel capacities to unleash Alliance logistics optimization concept.	YES	WEST	\$9,536,000	\$134,430,000	60%	\$24,366,000	\$73,098,000 (INFRA)	40%	\$241,430,000
US 81/287 North Tarrant County Reconstruction Project	Reconstruct for six general purpose lanes, continuous one-way frontage roads, improved intersections, relocated ramps, & new grade separations (IH 35W – Avondale Haslet Rd.).	YES	WEST	\$49,480,000	\$19,400,000	20%	\$160,080,000	\$115,440,000 (MEGA)	80%	\$344,400,000
US 377 @ SH 144 Reconstruction Project – Granbury	Rebuild US 377 to a 6-lane limited-access roadway w/ SH 144 upgrades (Autumn Ridge Dr. to FM 51) to address safety, mobility, drainage, & multimodal access needs.	YES	WEST	\$18,000,000	N/A	20%	\$32,000,000	\$40,000,000 (RURAL)	80%	\$90,000,000
FY 23 MPDG CANDIDATE PROJECT – LOCAL/REGIONAL PARTNERS (w/ NCTCOG as co-applicant)										
IH 30 Downtown Dallas Canyon Project	Rebuild IH 30 (IH 35E – IH 45) to address design/safety/mobility deficiencies, restore CBD street grid for multimodal connections & surplus ROW re-use, & add deck foundations.	NO <i>(FY 22 MPDG)</i>	EAST	\$216,800,000	N/A	40%	\$234,700,000	\$90,500,000 (MEGA)	60%	\$542,000,000

Any changes to candidate projects and scope/cost/funding details will be explained as part of eventual MPDG Program action item

FY 23 Multimodal Projects Discretionary Grant (MPDG) Program Schedule

May 11, 2023

RTC Information

May 26, 2023

STTC Information

June 2023 (early)

FY 23 MPDG Notice of Funding Opportunity (NOFO) Released

June 14, 2023

Finalize Candidate Project Scope, Cost, Funding Amount(s)/Source(s), & Phasing/Schedule Details *(for posting of STTC Agenda)*

June 23, 2023

STTC Action

July 13, 2023

RTC Action

July 20, 2023

RTC Letter of Support Deadline
(for projects submitted by partnering agencies, send requests to Nicholas Allen – nallen@nctcog.org)

July 27, 2023

Executive Board Action

August 2023 (early)

FY 23 MPDG Application Deadline – Grants.gov

CONTACT INFORMATION

Thomas Bamonte

Senior Program Manager
(817) 704-5604
tbamonte@nctcog.org

Natalie Bettger

Senior Program Manager
(817) 695-9280
nbettger@nctcog.org

Christie Gotti

Senior Program Manager
(817) 608-2338
cgotti@nctcog.org

Ken Kirkpatrick

Counsel for Transportation
(817) 695-9278
kkirkpatrick@nctcog.org

Chris Klaus

Senior Program Manager
(817) 695-9286
cklaus@nctcog.org

Dan Lamers

Senior Program Manager
(817) 695-9263
dlamers@nctcog.org

Arash Mirzaei

Senior Program Manager
(817) 695-9261
amirzaei@nctcog.org

Jeffrey C. Neal

Senior Program Manager
(817) 608-2345
jneal@nctcog.org

Shannon Stevenson

Senior Program Manager
(817) 608-2304
sstevenson@nctcog.org

Karla Windsor

Senior Program Manager
(817) 608-2376
kwindsor@nctcog.org

USDOT BIL: <https://www.transportation.gov/bipartisan-infrastructure-law>

USDOT Grant Portal: <https://www.transportation.gov/bipartisan-infrastructure-law/bipartisan-infrastructure-law-grant-programs>

USDOT (Upcoming Schedule of Grant Opportunities): <https://www.transportation.gov/bipartisan-infrastructure-law/key-notice-funding-opportunity>

Multimodal Projects Discretionary Grant (MPDG) Program: <https://www.transportation.gov/grants/mpdg-announcement>





FY2024 and FY2025 ***Unified Planning Work Program for*** ***Regional Transportation Planning***

Surface Transportation Technical Committee
May 26, 2023

Unified Planning Work Program for Regional Transportation Planning

Required by the Infrastructure Investment and Jobs Act (IIJA)

Summarizes Annual MPO Funding

Addresses Regional and Local Issues

Inventories Planning and Programming Activities

Allocates Available Funds to Specific Tasks

Five Major Tasks

Task 1 – Administration and Management

Task 2 – Transportation Data Development and Maintenance

Task 3 – Short-Range Planning, Programming, and Operations

Task 4 – Metropolitan Transportation Plan

Task 5 – Special Studies

Local Government/Agency Submittals

31 Submittals Received

14 Agencies Submitted Projects:

Collin County/City of Wylie; Cities of Aledo, Arlington, Balch Springs, Haltom City, Frisco, Lancaster, Richardson, and Weatherford; Dallas Area Rapid Transit; Denton County Transportation Authority; Trinity Metro; and DFW International Airport

18 Projects Recommended for Inclusion

13 Projects Not Recommended for Inclusion

FY2024 and FY2025 TPF Funding Summary

FY2024 and FY2025 US FTA (5303)	\$ 7,687,168
FY2024 and FY2025 US FHWA (Estimated PL)	\$20,052,092
FY2023 US FHWA (Estimated PL-Carryover)	<u>\$ 5,524,849</u>
Total Transportation Planning Funds	\$33,264,109
Expected Expenditures	<u>\$28,525,056</u>
PL Balance to Carry Over to FY2026	\$ 4,739,053

Development Schedule

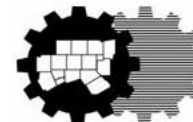
February 9	RTC Notification of Upcoming UPWP Development
February 14	Issuance of Requests for NCTCOG Assistance to Transportation Partners, including STTC
February 15	Issuance of Requests for Regional UPWP Project Ideas to RTC
February 24	STTC Reminder for Submittal of NCTCOG Assistance Requests
March 3	Project Submittals Due for NCTCOG Assistance
May 26	Draft Recommendations to STTC for Information
June 5	Draft UPWP Due to TxDOT and Concurrently Provided to STTC
June 8	Draft Recommendations to RTC for Information
June 12	Initiation of Public Outreach
June 23	STTC Action on Recommended UPWP
July 13	RTC Action on Recommended UPWP
July 27	Executive Board Action on Recommended UPWP
July 31	Final UPWP Due to TxDOT

Unified Planning Work Program Contact Information

Dan Kessler
Assistant Director of Transportation
817-695-9248
dkessler@nctcog.org

Vickie Alexander
Program Manager
817-695-9242
valexander@nctcog.org

Vercie Pruitt-Jenkins
Administrative Program Coordinator
817-608-2325
vpruitt-jenkins@nctcog.org



**North Central Texas
Council of Governments
Transportation Department**



Automated Transportation
Systems (ATS)

ATS Development Study

MARTIN BATE | STTC | 5/26/2023

Introduction

NCTCOG's review of emerging technology innovations focuses on:
“**Future-proofing**” infrastructure, providing users with demand-responsive transportation

- Reduce long-term risks of obsolescence of infrastructure
- Utilize solutions that do not require custom guideways to operate

Achieving **economies of scale**

- Use of modular infrastructure
- Independent-running ATS vehicles

Consideration of both **people** and **cargo/goods** movement



Overview



Elements of Study

Lea + Elliott served as consultant for this study

Automated Transportation System (ATS) Vehicle Technologies

- Inventory of existing technologies
- Design of vehicle envelope

Wireless Electric Vehicle (EV) Charging Technologies

- Focus on dynamic charging

Standard Guideway Infrastructure Design

- Signature appearance
- Efficient, modular assembly of components
- Economies of scale

Case Studies

- Retrofit Opportunities
- Pilot Project Opportunities



Technology Identification: Vehicles

Assessment of current and emerging market for ATS vehicles

Technology evaluation using multiple criteria

Five categories of vehicles, including Group Rapid Transit and Autonomous Vehicle shuttles

Result: Inventory of state-of-the-art ATS vehicle technologies



Zoox (Image: Zoox)



Oceaneering (Image: Oceaneering)



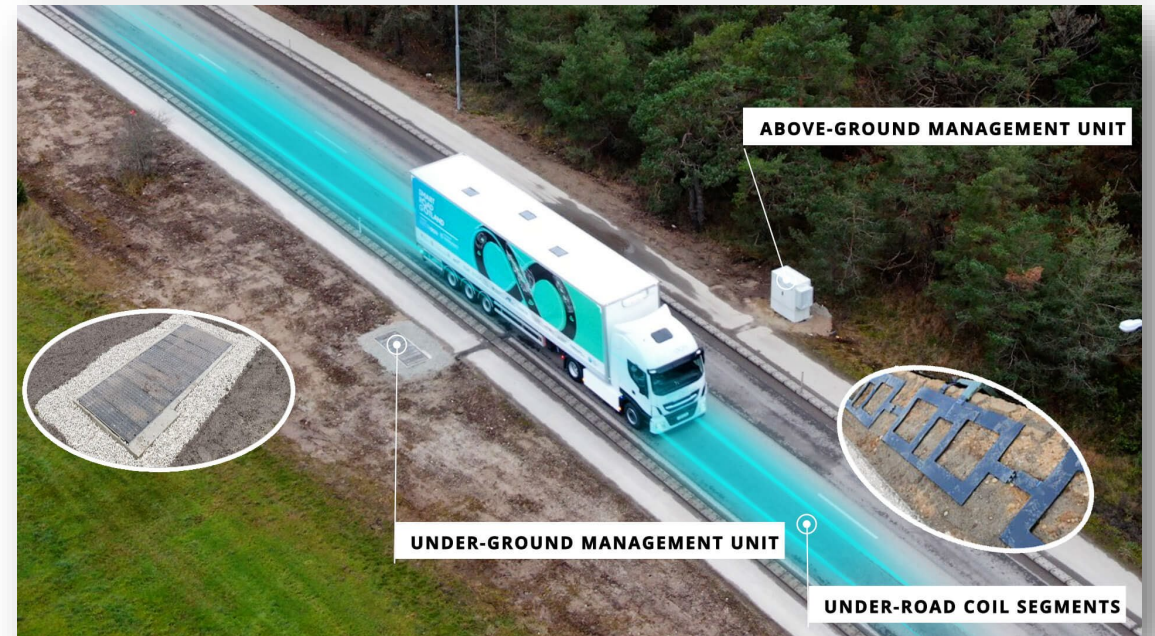
Technology Identification: Wireless Charging

Two types: stationary/opportunity charging, dynamic charging

Focus on **dynamic charging** to potentially reduce fleet requirements, battery size

Ensured ATS vehicles inventoried have wireless charging capabilities in near-term

Dynamic charging in its infancy, shows potential for future ATS applications; continue to monitor state of tech



Conceptual illustration of Electreon wireless charging system (Image: Electreon)



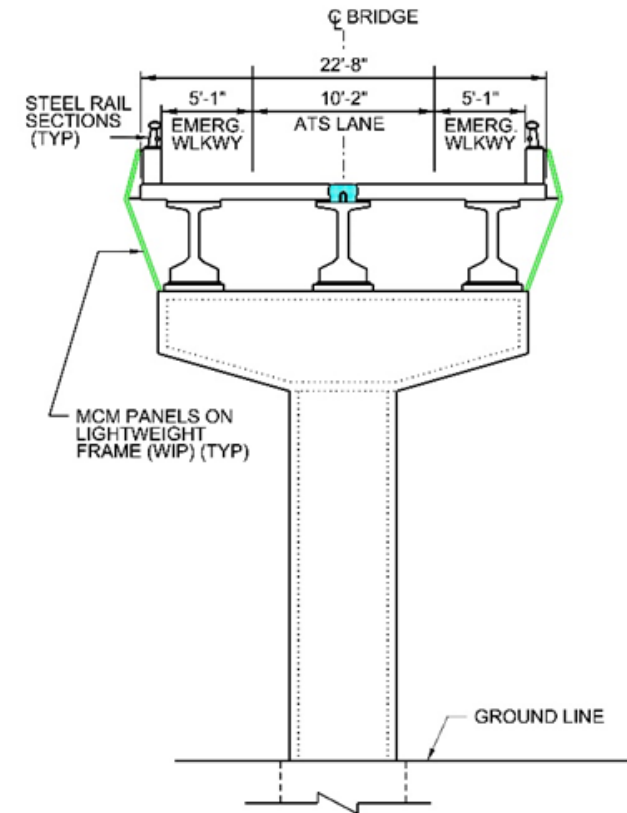
Guideway Design Guidelines

Goal: simple, paved structure with streamlined **lightweight** “signature” appearance, **modular** construction, **innovative** materials and methods

Materials and techniques assessed for:

- Environmental sustainability
- Capital, lifecycle/maintenance costs
- Risks for hazards such as fire
- Availability of materials
- Geometric compatibility
- Weight

Transition elements, other components may require custom design



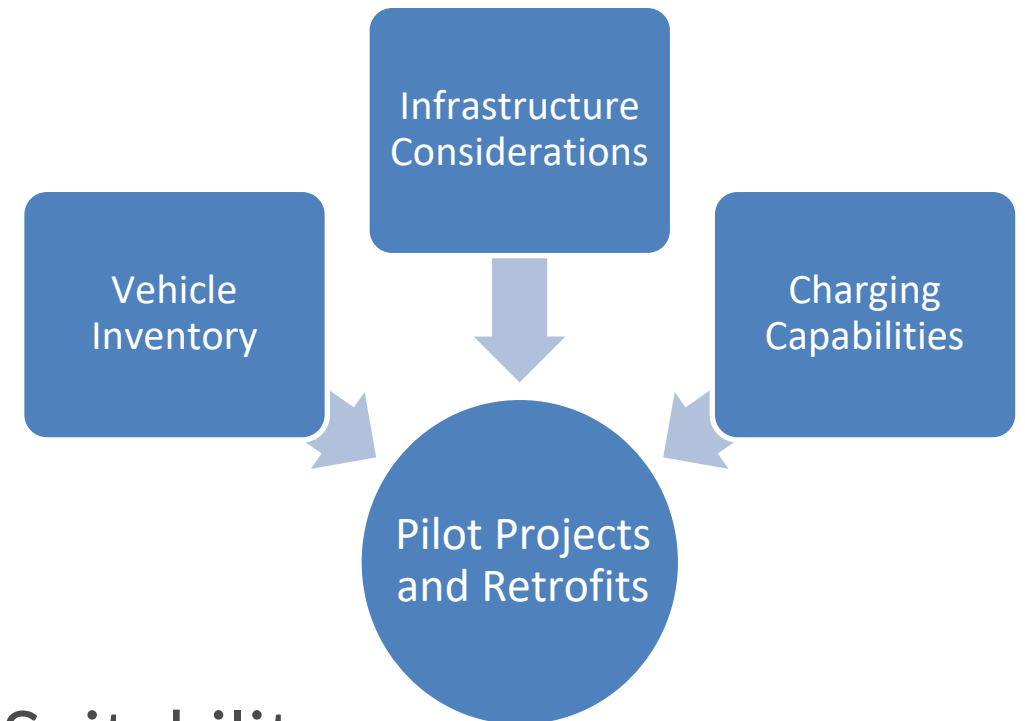
Unidirectional Concept



Pilot and Retrofit Opportunities

Pilot Projects:

- People: Dallas International District
 - Potential vehicles, guideway materials
- Cargo: GM Arlington Assembly plant
 - Potential vehicles, fleet analysis



Retrofit Opportunities:

- Las Colinas Modernization Concept
- DFW Airport Skylink Modernization Suitability



Pilot Projects

Dallas International District

- Working to identify location of pilot segment
- Next step: hire engineer to design segment

General Motors

- Working with GM, Arlington to ID location of bridge
- Working with TxDOT on engineering of bridge touchdown points
- Scoping wireless charging test component
- Next step: work with TxDOT to design bridge

Las Colinas

- Lea + Elliott confirmed retrofit is feasible
- Working w/ Dallas County Utility and Reclamation District (DCURD), City of Irving to ID pilot segment location
- Next step: request for funding of modernization pilot

DFW Airport Skylink

- Lea + Elliott confirmed opportunity for possible retrofit in future



CONTACT US



Martin Bate

Transportation Planner II

mbate@nctcog.org | 817-608-2349



Brendon Wheeler

Program Manager

bwheeler@nctcog.org | 682-433-0478



Donald Parker

Principal Transportation Planner

dparker@nctcog.org | 817-608-2380



Dan Lamers

Senior Program Manager

dlamers@nctcog.org | 817-695-9263

