

Waco MPO Policy Board Meeting

- Thursday, January 18, 2024, 1:30 PM

Access Meeting Materials on Your Device

- Agenda, packet, and other materials available online
 1. Scan QR code or visit link below
 2. Select today's meeting on calendar
 3. Scroll to bottom of pop-up window
 4. Select "Tell me more about Policy Board"



<https://www.waco-texas.com/Departments/Metropolitan-Planning-Organization/Meetings>

Quorum Verification

- Chairperson Borderud and MPO staff will verify the attendance of MPO Policy Board members present to determine a quorum from sign-in protocol



Call to Order, Proof of Posting

- Call to Order
 - MPO Policy Board Meeting – January 18, 2024
- Proof of Posting:
 - McLennan County Courthouse
 - January 10, 2024

Public Hearing

- Addressing the Board:
 - Visitors may address the Policy Board regarding **any agenda item**
 - Each speaker is allotted one 3-minute presentation regardless of the number of agenda items speaker wishes to address
 - Non-English speakers and hearing-impaired requiring translators may have up to 6 minutes
 - Persons representing a group may have up to 10 minutes

In accordance with requirements identified in Section 551.007 of the Texas Government Code, the public is permitted to address the Policy Board regarding any action or discussion item identified on this agenda.



Approval of Meeting Minutes

- November 16, 2023

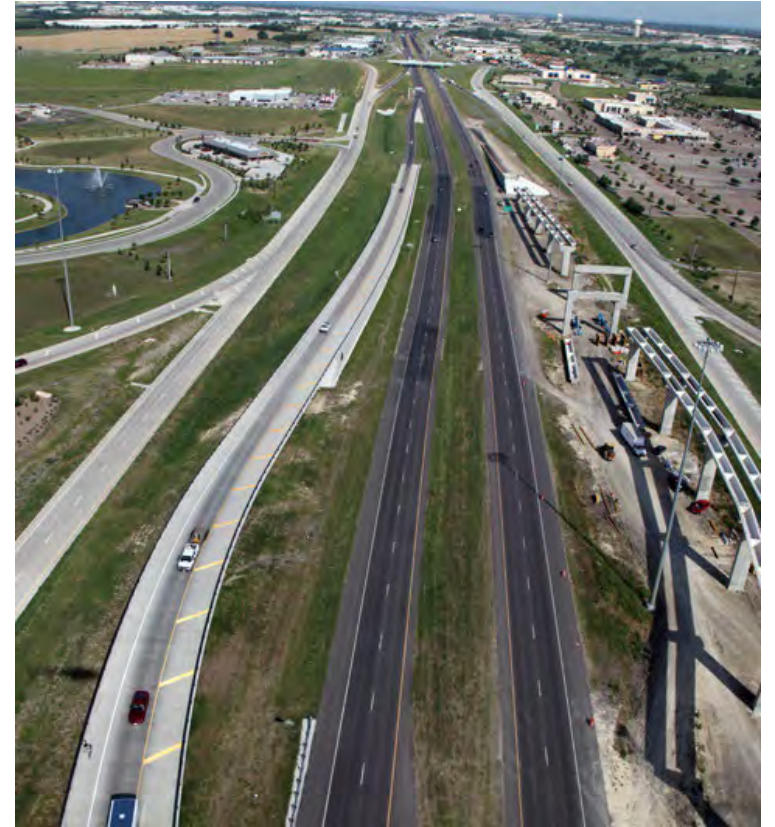




Agenda

- Project Funding Strategies
- MTP Amendment
- TIP Amendment
- Annual Performance Targets
- PPP Amendment
- MTP Development
- Grant Efforts
- MPO Redesignation
- TAC Updates
- MPO Updates
- TxDOT Updates
- Monthly Report & Announcements



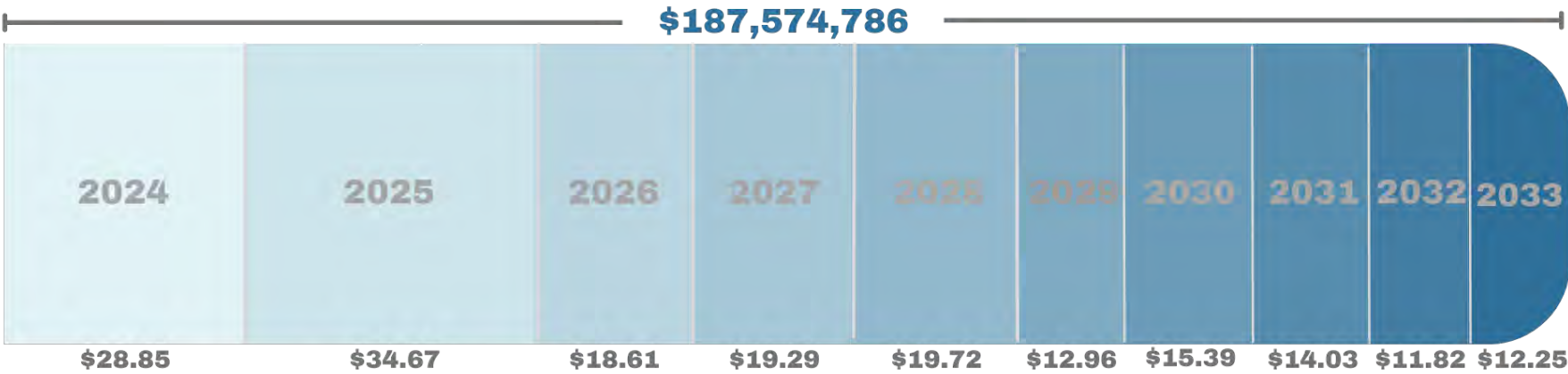


Funding Strategies

- Immediate Short-Term Projects

Project Funding Strategies

- Current Unified Transportation Program (UTP) accounts for allocation of approximately \$187 M over next 10 years
 - *UTP: TxDOT plan that authorizes the distribution of construction dollars expected to be available over 10-year period*



*In millions, rounded



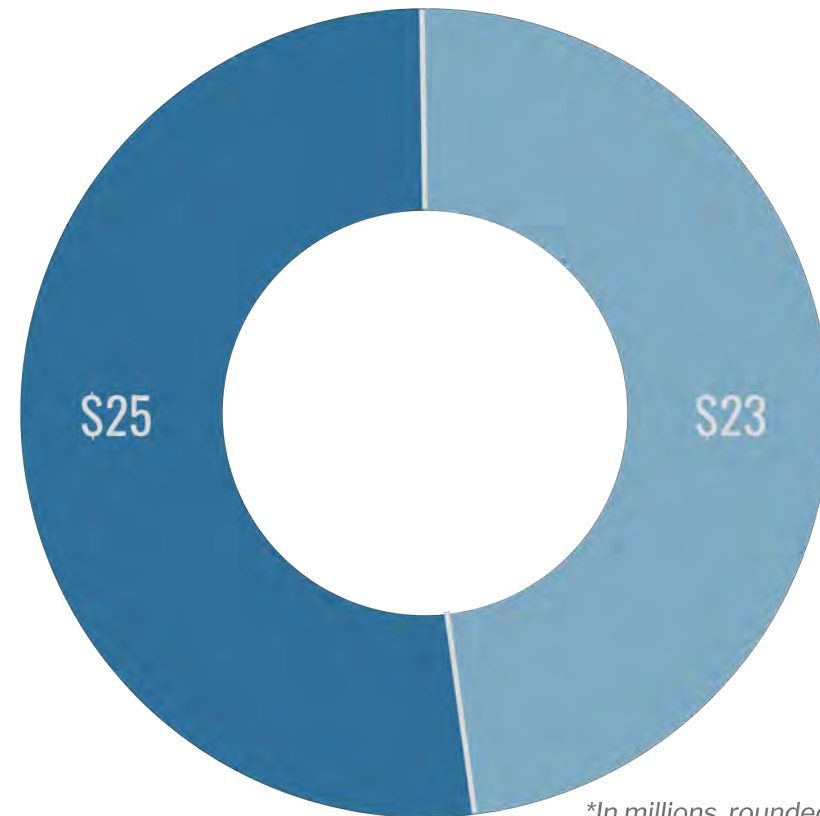
Project Funding Strategies

- \$48 M in Waco MPO Category 2 funding must be allocated

- \$23 M in existing Category 2 funds currently unallocated due to recent project changes

- \$25 M in estimated additional funds from new UTP

Total Unallocated



**In millions, rounded*

Project Funding Strategies

- **Potential Consequences of Not Allocating Funds:**
 - Funds may be temporarily allocated to other TxDOT projects outside of MPO planning area
 - Will not “lose” funds
- **Funding Strategy Considerations:**
 - Policy Board may allocate available Category 2 funds to immediate short-term projects
 - Consider project readiness

Project Funding Strategies

- **Current Fully Funded Projects**

- IH 35 (4C) S Loop 340 to 12th Street
- US 84 Ramp reversal project - FM 1695 to SH 6
- SH 6 widening project – FM 185 to McLaughlin Road
- SS 298 (Franklin @ New Road) – US 84 to Valley Mills Drive

Project Funding Strategies

- **Project Funding Possibilities**

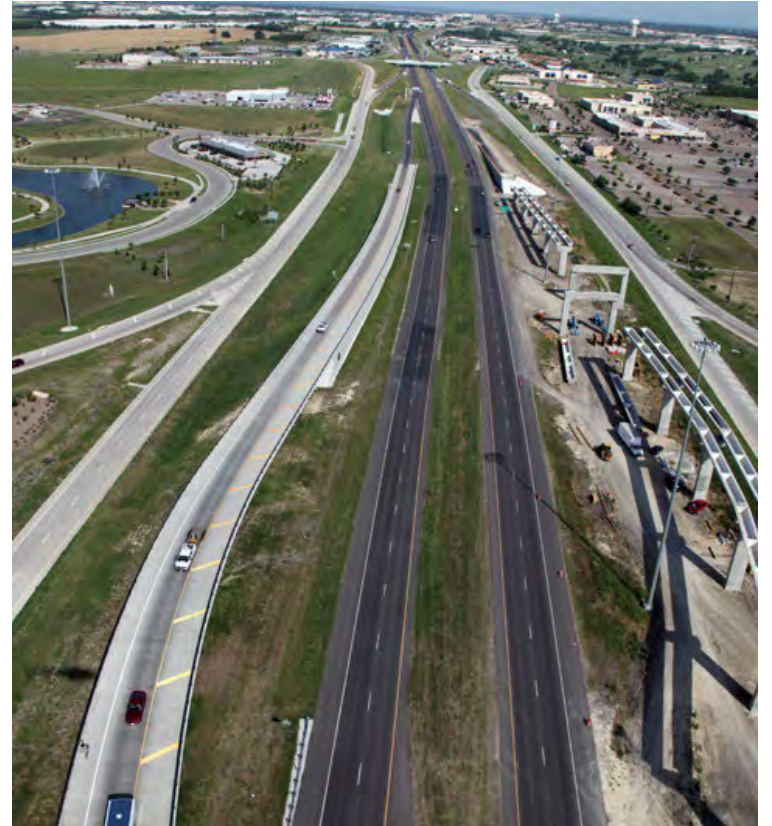
- SH 6 Twin Bridges - \$60M construction estimate
 - *Reconstruct & widen Lake Waco bridges & approaches*
 - *Current Cat 6 \$30.0M*
 - *Current Cat 4 \$4.0M*
 - ***Current Funding Gap \$26M***
- NE Loop 340 - \$160M construction estimate (ultimate section)
 - *Widen to 4 lanes divided between US 84 (Bellmead Dr) & SL 484 (Marlin Hwy)*
 - *Current Cat 2 \$51.9M (fully funds new 4 lane divided frontage roads only)*
 - ***Current Funding Gap \$108M*** (would fund ultimate section including main lanes and overpasses)

TAC Recommendation: SH 6 Twin Bridges

Directive Action Item

- **Discussion**
- **Options**
 - Direct MPO Staff & TxDOT District Staff to program available Category 2 dollars for May revision of FY 2023 – 2026 TIP as follows:
 - _____
 - **Yea / Nay**



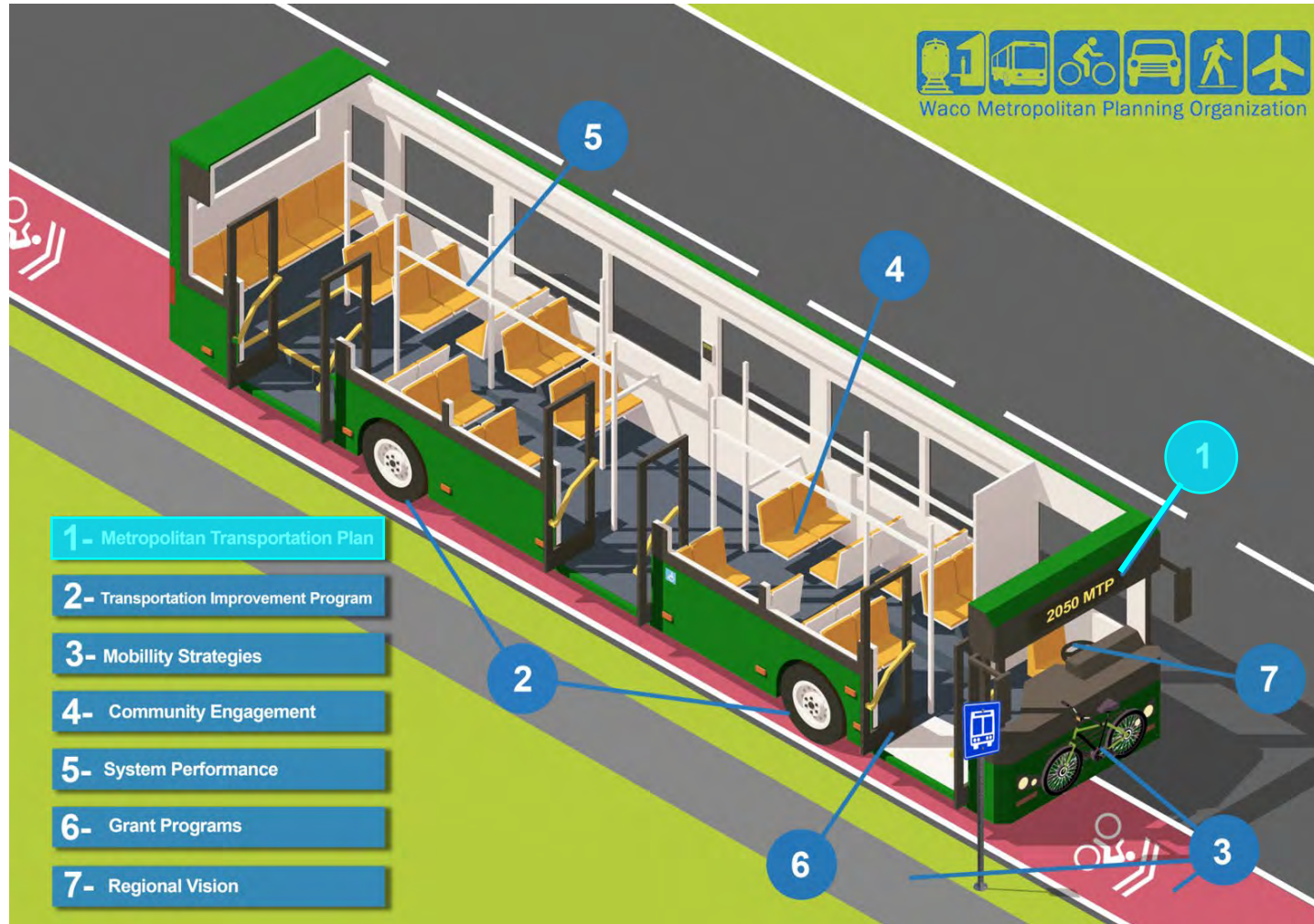


Proposed Plan Amendment

Connections 2045: Waco Metropolitan Transportation Plan (MTP)



Connections 2045: The Metropolitan Transportation Plan Proposed Revisions to the MTP



Connections 2045: The Metropolitan Transportation Plan Proposed Revisions to the MTP

- Purpose of MTP
 - Identifies how the region intends to invest in the transportation system for a 25-year period.
- Proposed Amendments
 - Reflect refinements to TxDOT's cost estimates for US 84 project in development
 - Revised estimated construction cost of \$205.3 million (down from \$214.3 million)
 - Revised estimated total project cost of \$214.3 million (down from \$223.3 million)
 - Reflect expected allocation of federal funding to the region for vehicle related purchases
 - Federal Transit Administration (FTA) 5330(a) Formula Program for Capital Purchases for Buses/Bus Facilities
 - 5-year allocation (FY 2020 – 2025)



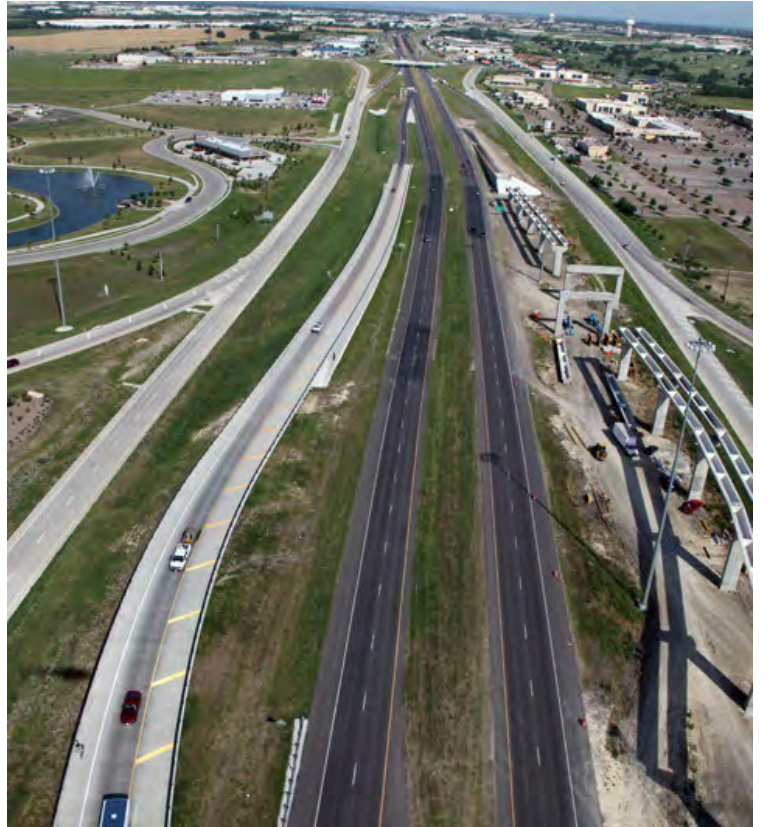
Connections 2045: The Metropolitan Transportation Plan Proposed Revisions to the MTP

- **Solicitation of Comments** – January 8, 2024 – January 17, 2024
 - Submit comments online at <https://www.waco-texas.com/Departments/Metropolitan-Planning-Organization/Community-Engagement>
- **Public Information Meetings**
 - January 8, 2024 – 12:00 Noon and 5:30 PM
 - In Person - 401 Franklin Ave, Waco, in the 1st Floor Main Conference Room of the Dr. Mae Jackson Development Center
 - Virtual - Meeting information posted at <https://www.waco-texas.com/Departments/Metropolitan-Planning-Organization/Meetings>
- **TAC Review / Recommendation to Policy Board** – January 4, 2024
- **Public Hearing / Policy Board Action** – January 18, 2024

Action Item

- **Public Hearing**
- **Discussion**
- **Options**
 - **Approve Resolution 2024-1**
 - Adoption of Amendment 5 to Connections 2045: The Waco Metropolitan Transportation Plan (MTP)
 - **Modify Resolution 2024-1**



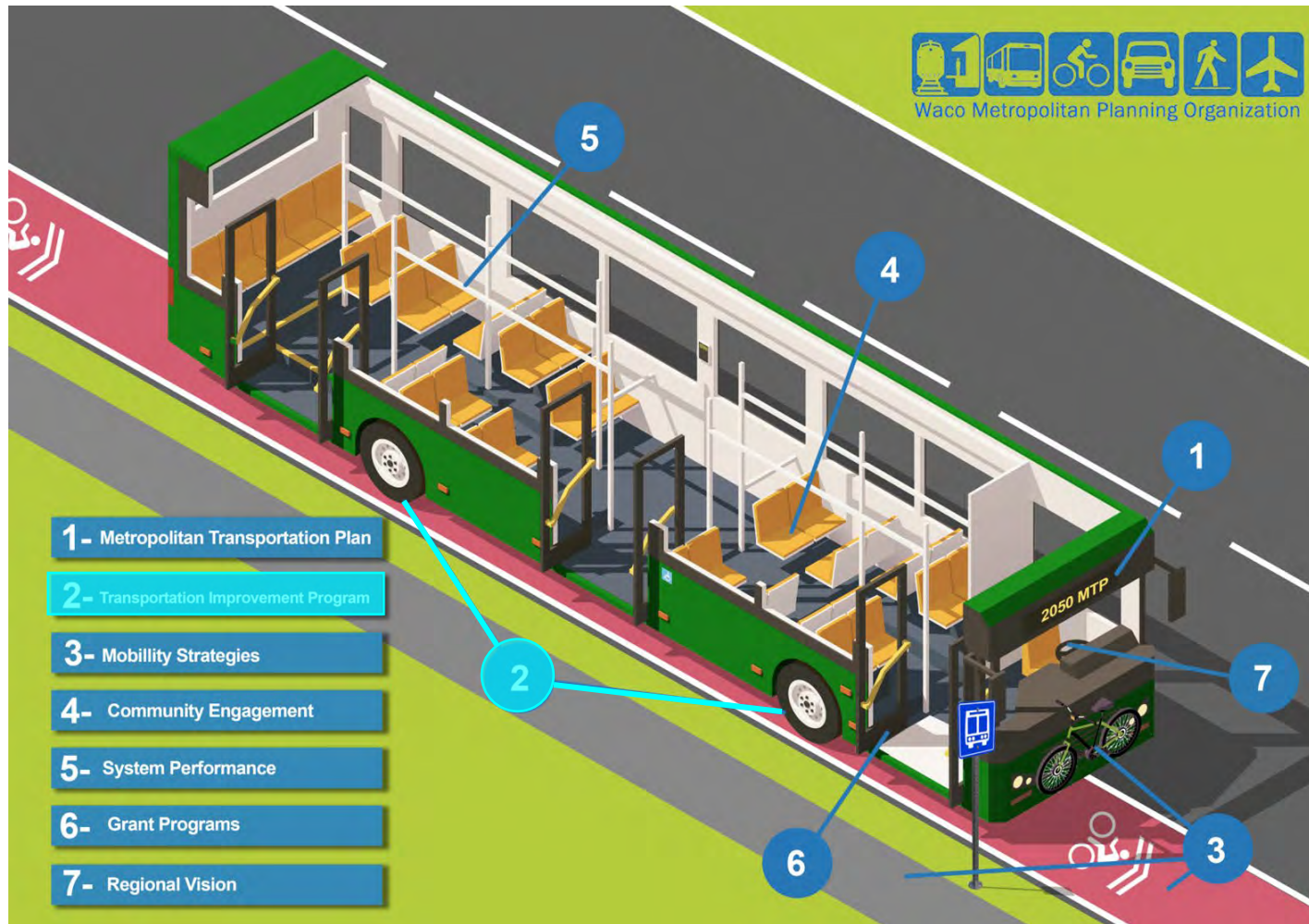


Proposed Program Amendment

2023-2026 Transportation Improvement Program (TIP)



2023-2026 Transportation Improvement Program Proposed Revisions

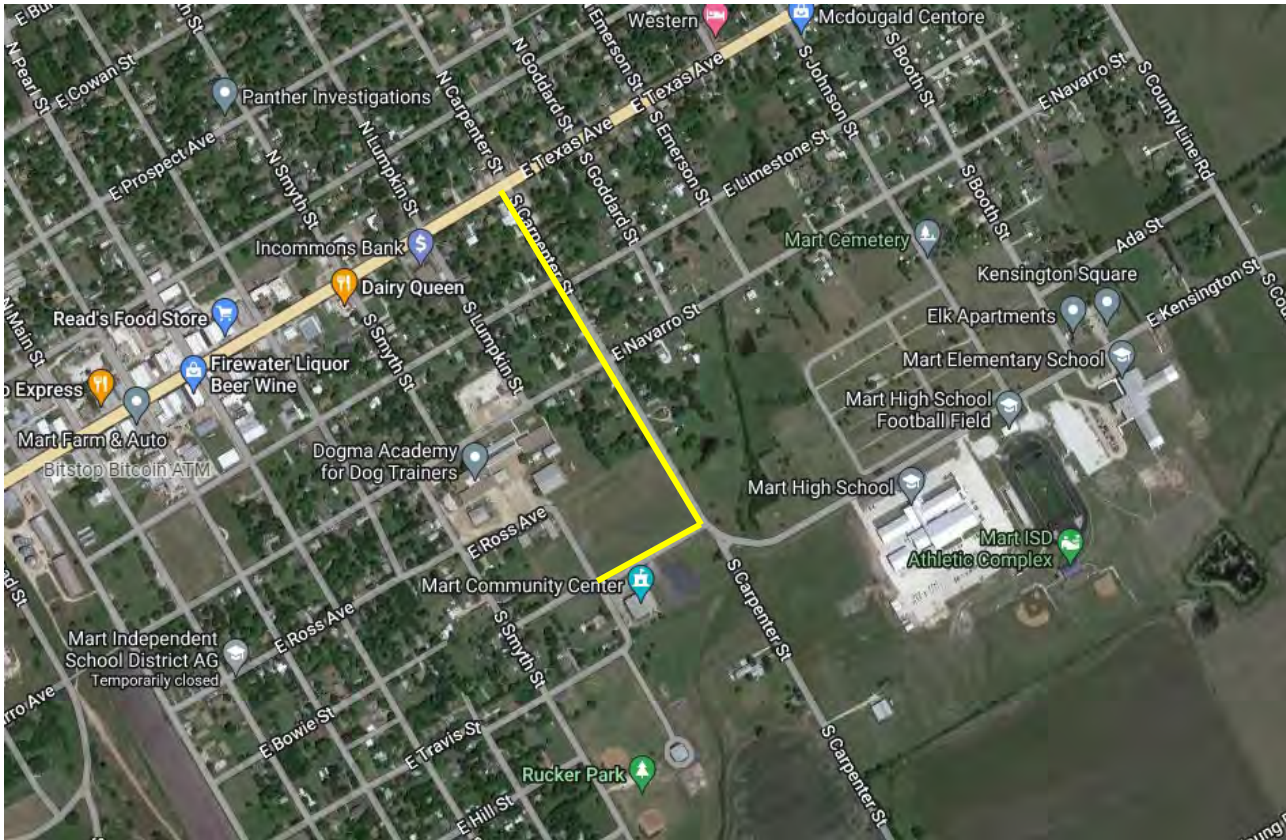


2023-2026 Transportation Improvement Program Proposed Revisions

- Purpose of TIP Amendment
 - Program funding identified for federal highway, public transportation, and pedestrian projects within the Waco region
- Proposed Amendment
 - Programs Transportation Alternative project awards by the Texas Transportation Commission
 - Cities of Mart, Waco, and Woodway for bicycle and pedestrian projects
 - Programs City of Waco contributions to IH-35 4C for project enhancements - \$1.9M
 - Programs FY 2024 Category 2 Formula Allocation
 - Programs 5339a formula allocation for transit vehicle purchases for Waco Transit



TxDOT 2023 TA Project Award

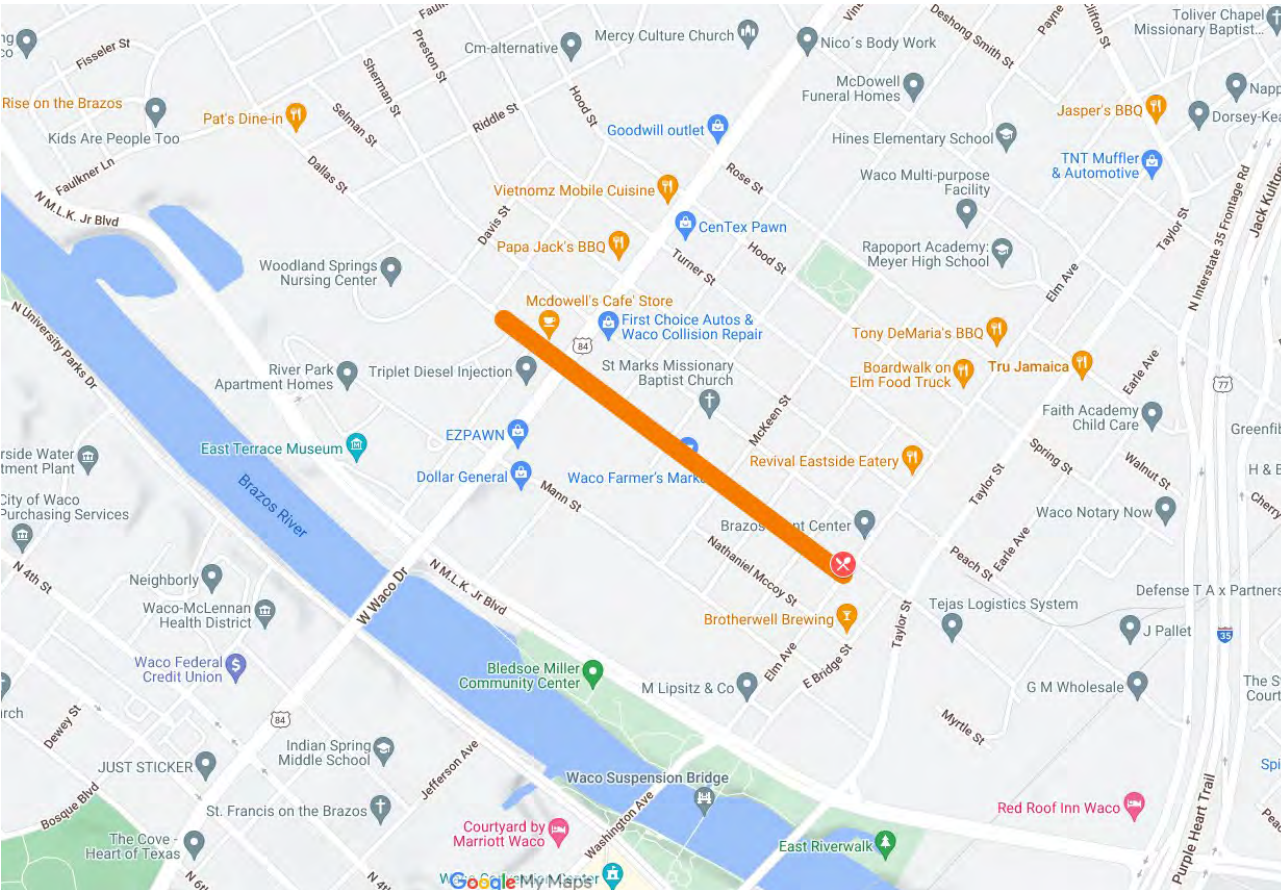


• Mart School and Neighborhood Connector Project

- Scope
 - Improve connections between the downtown area of Mart, adjacent neighborhoods and schools, and the community center
- Location / Extent
 - S. Carpenter St. from SH 164 (E Texas Ave) to E. Bowie St.; E. Bowie St. from S. Carpenter St. to S. Lumpkin St.
- Preliminary Cost Estimate
 - ~\$1.347 M



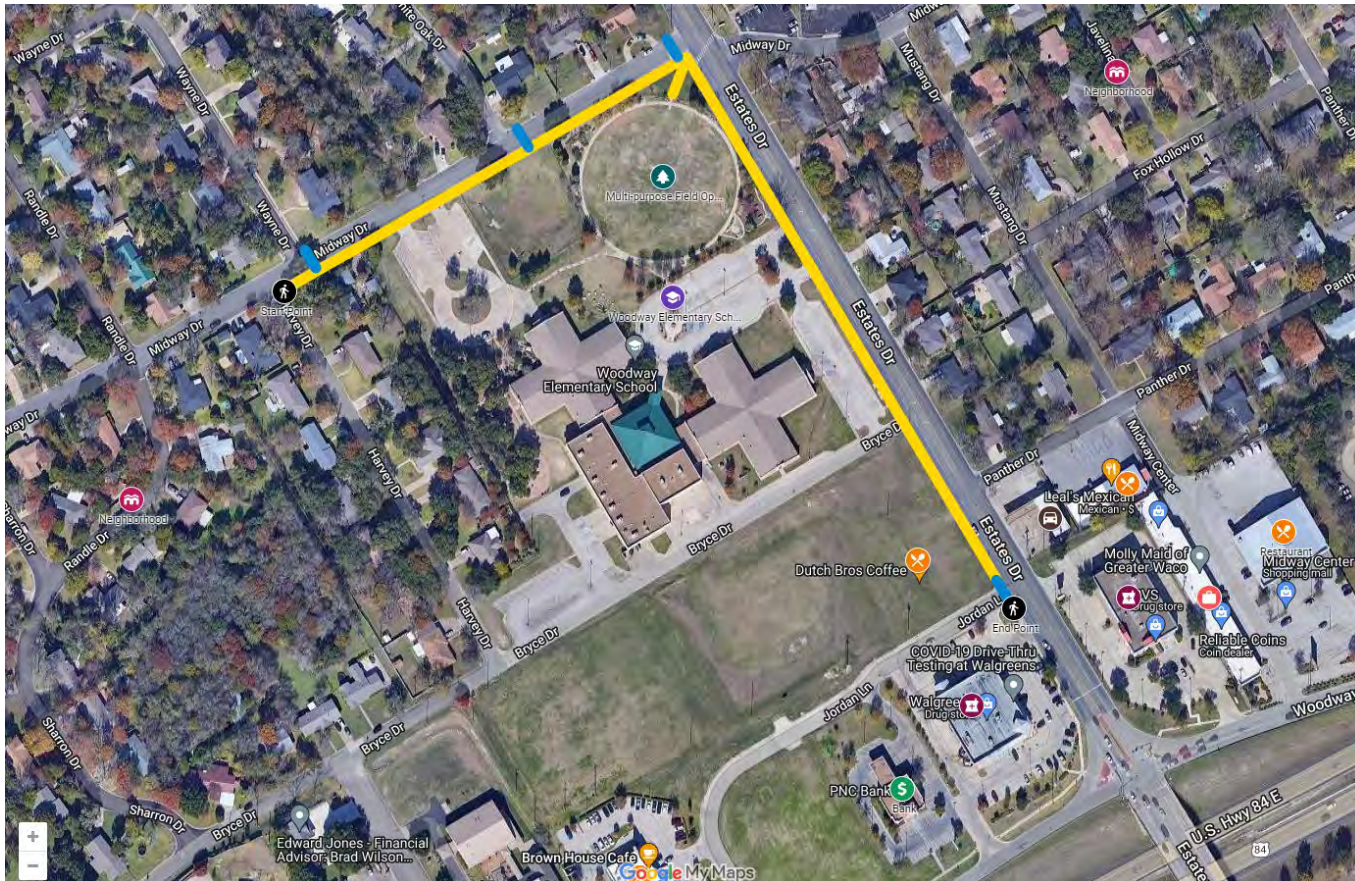
TxDOT 2023 TA Project Award



- Carver Neighborhood Bike/Ped Improvements
 - Scope
 - Improve bike/ped access to & circulation within Downtown Waco, connects to MKT Trail
 - Location / Extent
 - Along Dallas St between Elm Ave & Ashburn St
 - Preliminary Cost Estimate
 - ~\$4.385 M



TxDOT 2023 TA Project Award



- Woodway Elementary Safety Improvements
 - Scope
 - Improve pedestrian traffic and ease vehicular use near Woodway Elementary School
 - Location / Extent
 - Along Midway Drive from Harvey Dr. to Estates Dr. & along Estates Dr. from Midway Dr. to Jordan Ln
 - Preliminary Cost Estimate
 - ~\$1.048 M

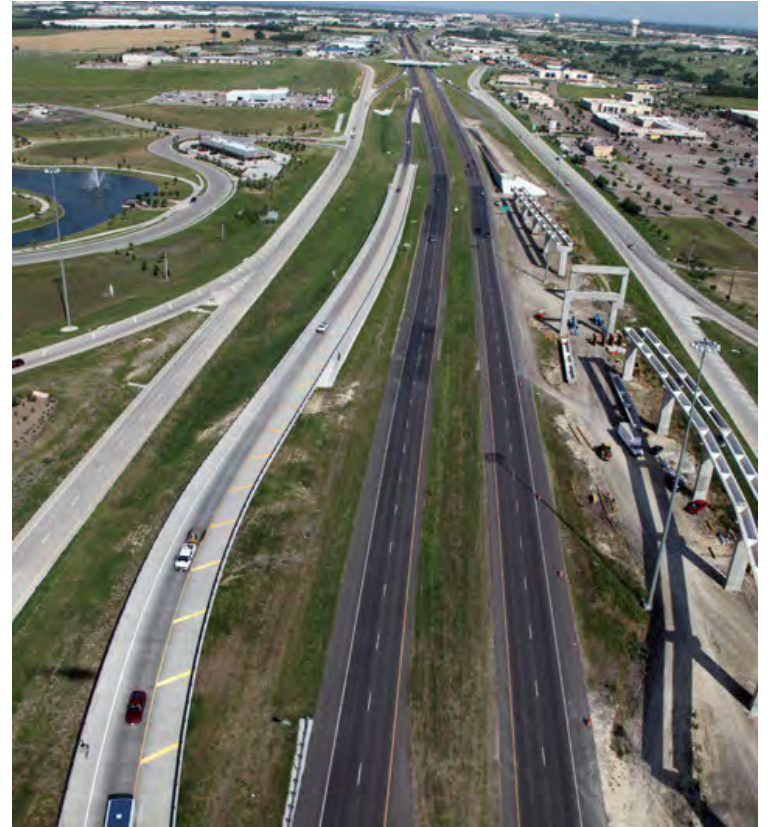
Public Transit Funds for Vehicle Purchases

- Public Transit 5339(a) Formula Allocation
 - To replace, rehabilitate & purchase vehicles and related equipment
 - Construct & modify bus-related facilities
 - Program capital purchases during the 4-year scope of the TIP (FY 23-26)
 - FY 2021 & FY 2022 allocations are carried over into FY 2023 to accommodate the TIP timeframe.
 - FY 2024 allocations have not been made yet.

Action Item

- **Public Hearing**
- **Discussion**
- **Options**
 - **Approve Resolution 2024-2**
 - Adoption of Amendment 2 to 2023-2026 Transportation Improvement Program (TIP)
 - **Modify Resolution 2024-2**

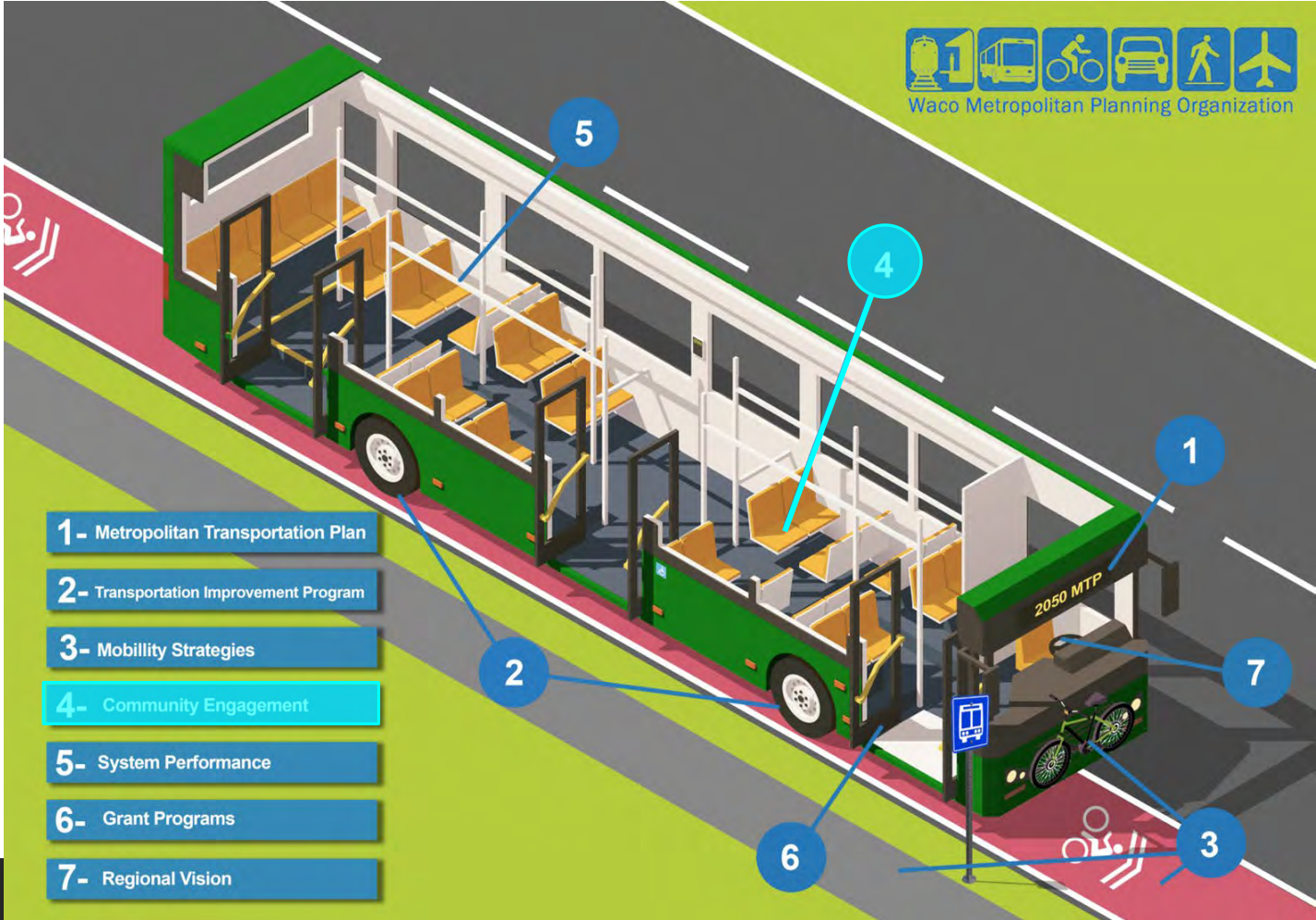




Proposed Revisions

Public Participation Plan (PPP)

Public Participation Plan Proposed Revisions



Public Participation Plan Proposed Revisions

- Purpose of PPP – Details efforts to solicit stakeholder and other interested party's involvement in the development of the MPO's plans and programs

Proposed Amendments

- Purpose - clarify the public hearing process and how administrative modifications are implemented
- Amend Section 4.1 Meeting Formats to reflect change of Policy Board and if directed, TAC from 2:00pm to 1:30 pm
- Amend Section 4.3 Public Hearings to clarify opportunities for the public to address the Policy Board during a Policy Board meeting
- Amend Section 6 Public Participation Procedures to include Administrative Modifications and to provide guidance on their implementation
- Amend Section 6.1 Public Comment Periods clarify the distinction between “calendar days” and “working days” for Public Comment Period Requirements



Public Participation Plan

Public Engagement – In Progress

- Solicitation of Comments – December 26, 2023 – February 9, 2024
 - Submit comments online at <https://www.waco-texas.com/cms-mpo/get-involved>

Public Informational Meetings

- January 8, 2024 – 12:00 Noon and 5:30 PM
- In Person - 401 Franklin Ave, Waco, in the 1st Floor Main Conference Room of the Dr. Mae Jackson Development Center
- Virtual - Meeting information posted at <https://www.waco-texas.com/cms-mpo/get-involved>

TAC Review / Recommendation to Policy Board – February 1, 2024

Public Hearing / Policy Board Action – February 15, 2024

Directive Action Item

- Discussion
- Options
 - Direct MPO staff to begin federally required community engagement recommended by TAC:
 - Request public comments regarding proposed PPP amendments
- Yea / Nay



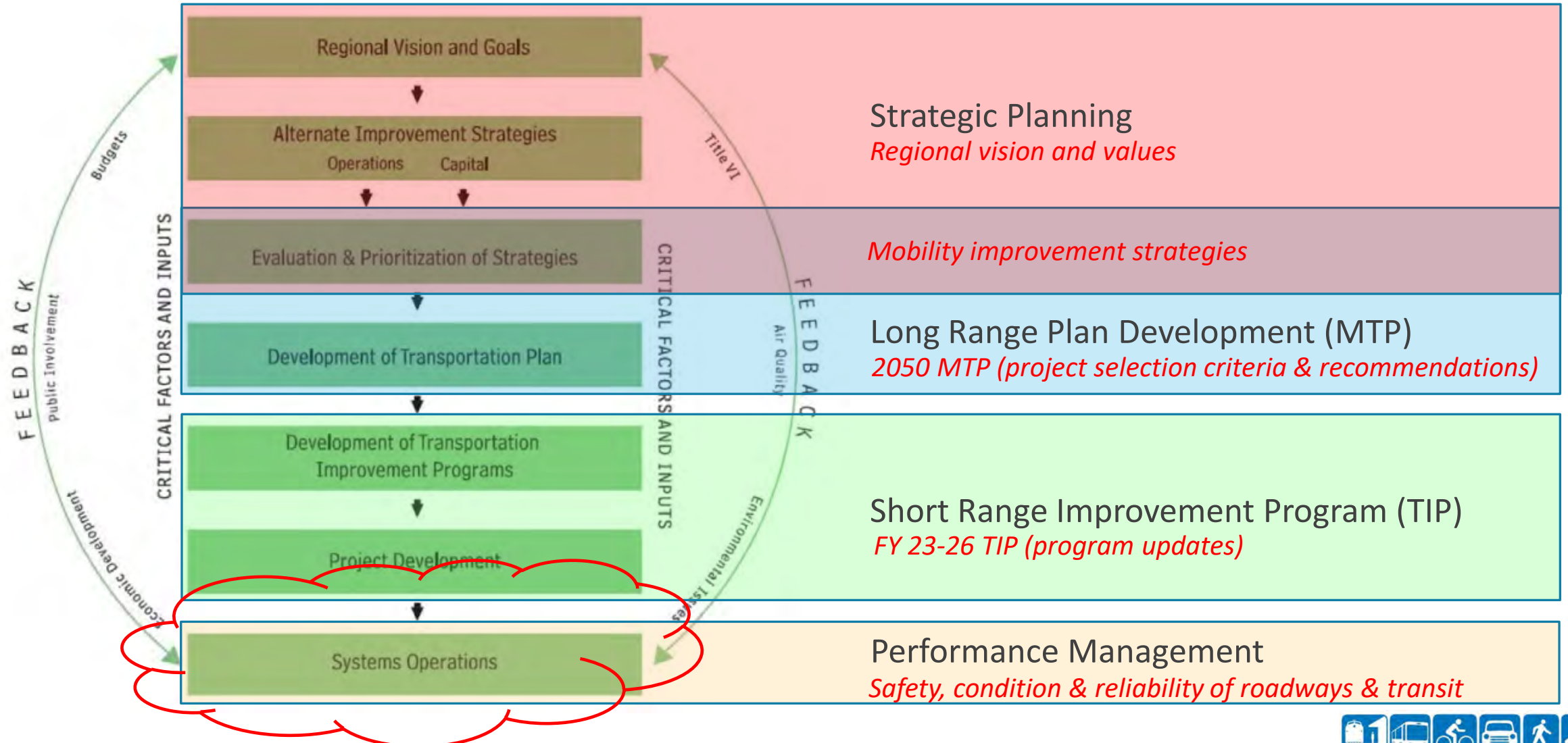


Regional Performance Targets

Proposed System Performance Targets for Calendar Year 2024



Performance Measures and Target Setting



Source: The Transportation Planning Process Briefing Book, USDOT

Roadway Safety Targets

- Federal Goals & Requirements (FAST Act)
 - Maintain safe roadway networks
 - Safety improvements should guide funding prioritization
 - Establish 5 Performance Measures
 - 1) Number of fatalities
 - 2) Fatalities per 100 million vehicle miles traveled
 - 3) Number of serious injuries
 - 4) Serious injuries per 100 million vehicle miles traveled
 - 5) Number of non-motorized fatalities and non-motorized serious injuries
 - Reassess and set performance targets annually

Roadway Safety Targets

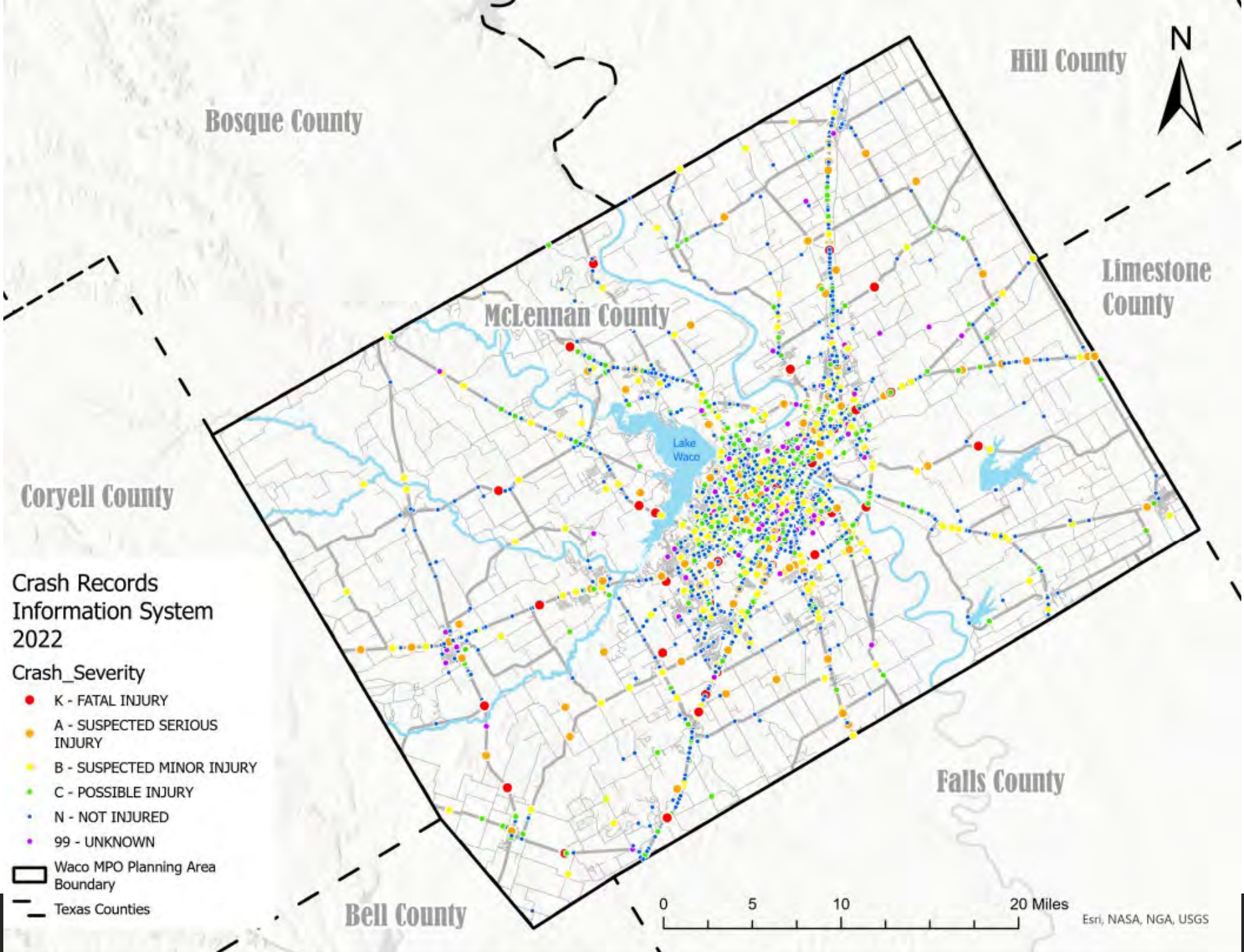


TxDOT Statewide 2024 5-Year Average Roadway Safety Performance Targets

Year	Number of Fatalities	Rate of Fatalities*	Number of Serious Injuries	Serious Injury Rate*	Total Number of Non-Motorized Fatalities and Serious Injuries
2020	3,874	1.49	14,659	5.63	2,206
2021	4,486	1.70	19,434	7.35	2,628
2022	3,272	1.25	17,539	6.70	2,321
2023	3,159	1.20	17,819	6.77	2,340
2024 Target	3,046	1.14	18,242	6.77	2,360
2023 Target expressed as a 5-year average	3,682	1.38	17062 ❖	6.39 ❖	2357 ❖
2024 Target expressed as a 5-year average	3,567	1.36	17,539	6.64	2,371

Proposed McLennan County 2024 5-Year Average Roadway Safety Performance Targets

Year	Number of Fatalities	Rate of Fatalities*	Number of Serious Injuries	Serious Injury Rate*	Total Number of Non-Motorized Fatalities and Serious Injuries
2020	34	1.24	266	6.64	29
2021	36	1.28	385	9.18	40
2022	41	1.40	282	7.05	32
2023	30	1.00	263	8.79	26
2024 Target	29	0.95	252	8.30	26
2024 Target expressed as a 5-year average	34.0	1.174	293.0	8.088	30.6



Perceived vs Objective Roadway Safety

		Objective traffic safety (Collisions involving children)		
		Unsafe/ dangerous	No correlation	Safer/ less dangerous
Perceived traffic safety	Unsafe/ dangerous	<ul style="list-style-type: none"> • High vehicle/ traffic speed • High traffic volume • Near schools 	<ul style="list-style-type: none"> • High intersection density • Street parking 	
	No correlation	<ul style="list-style-type: none"> • High population density 	<ul style="list-style-type: none"> • Road/ Network density • Commercial, Residential, Mixed and Park land use 	
	Safer/ less dangerous	<ul style="list-style-type: none"> • Crossing guards 		<ul style="list-style-type: none"> • Sidewalk

Agree

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8910047/#B36-ijerph-19-02641>

Roadway Safety Perception

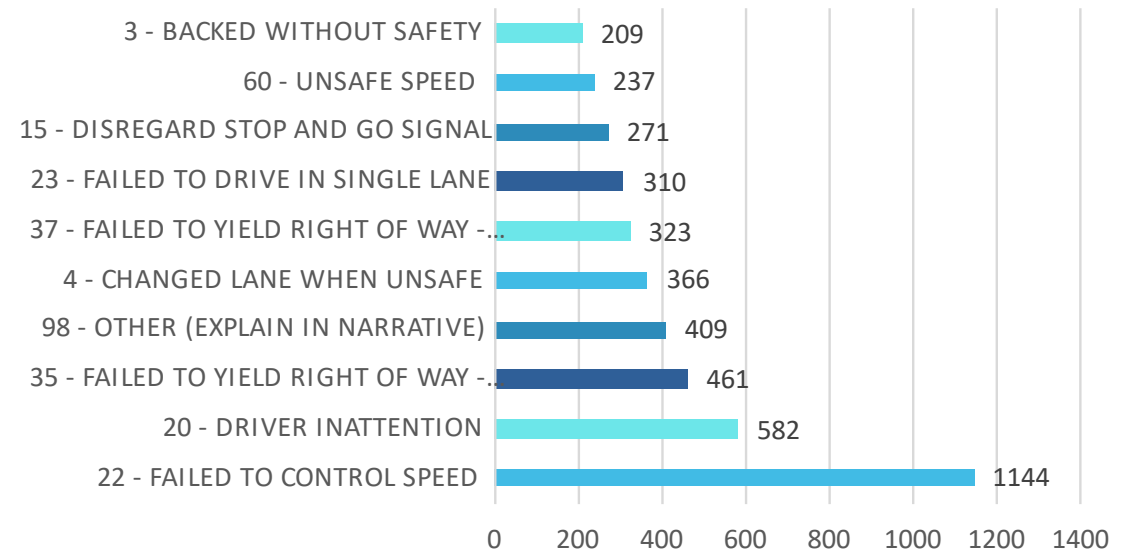
- Perceived Safety
 - Near Misses
 - Visibility
 - Traffic Volume
 - Lack of Infrastructure
 - Bike lanes, sidewalks, crosswalk
 - Traffic/ Stops Signs
 - Crossing Guard Presence
 - Speed Bumps
 - Land Use



Roadway Safety Summary

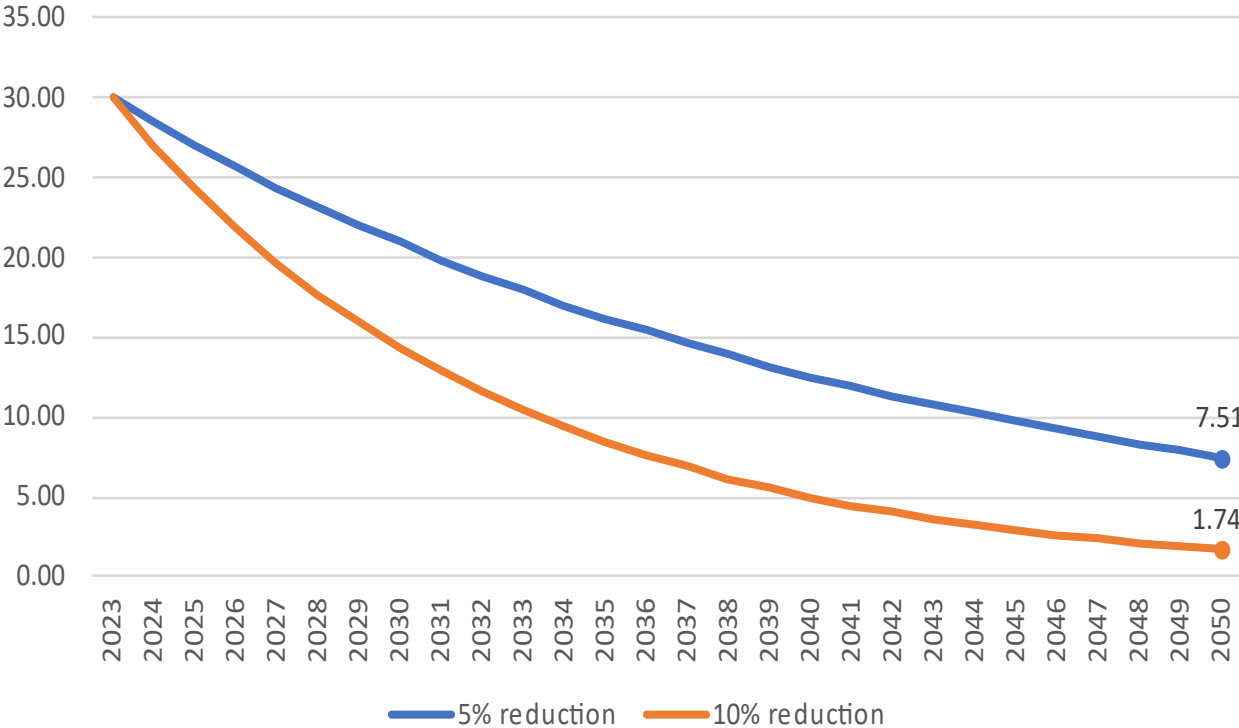
- Speed
- Land Use/ Neighborhood Design
- Drugs and Drinking
- Driver inattention is too broad

Top 10 Contributing Factors For All 2022 Crashes

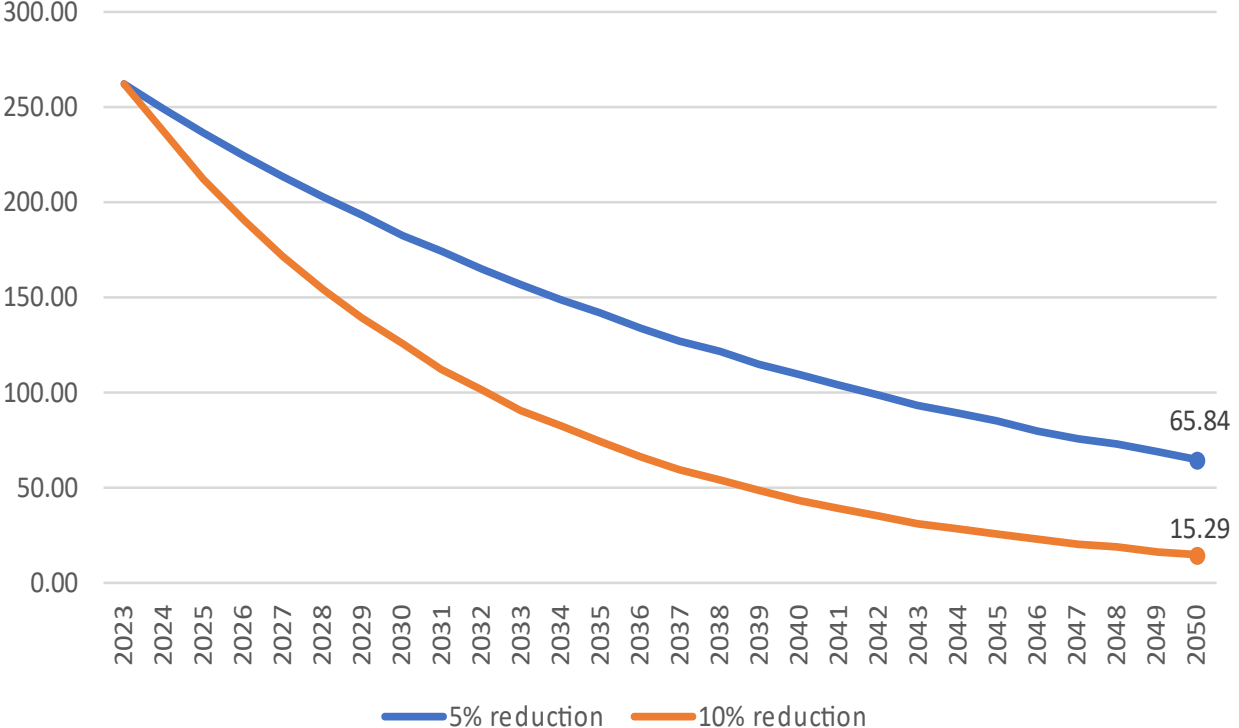


Vision Zero Scenario

Hypothetical 2050 Scenarios on Fatalities



Hypothetical 2050 Scenarios on Serious Injuries



Supporting TxDOT's Statewide Roadway Safety Targets for 2023

- What will it take to achieve zero fatalities by 2050?
- Need to tackle this issue nationally, statewide, and regionally/locally (engineering, policies, programs, education campaigns, etc.)
- Examples of Waco MPO Efforts to Support Statewide Targets
 - Develop project selection criteria for MTP 2050 aimed at reducing fatalities and serious injuries for all modes.
 - Modal choices, travel time, land use connections, crash hot spots, etc.
 - Plan and program projects in MTP and TIP that contribute to accomplishment of statewide targets.
- Examples of Waco MPO Efforts to affect safety at local level
 - Development of a MPO Comprehensive Safety Action Plan
 - Participation in the TxDOT Safety Task Force
 - SS4A Grants received in 2022 & 2023 (Planning and Demonstration)

Public Transportation Safety Targets

- Federal Goals & Requirements (FAST Act)
 - Better assess & maintain safety risks within transit networks
 - Improve public transportation safety by more effectively and proactively managing internal safety risks
 - Better predict and reduce the frequency of safety events
 - Ensure safety improvements guide funding prioritization
 - Establish Performance Measures
 - fatalities, serious injuries, number of safety events, number of significant mechanical failures
 - Reassess and set performance targets annually

Adopted 2024 PTASP Safety Targets Waco Transit System, Inc.

TABLE 6: FIXED ROUTE (BUS) SAFETY PERFORMANCE TARGETS

Measure	Baseline	Target
Fatalities	0	0
Rate of Fatalities*	0	0
Injuries	3.0	2.6
Rate of Injuries*	0.00039%	0.000000%
Safety Events	3.0	2.2
Rate of Safety Events*	0.00039%	0.000000%
System Reliability	32,592	33,980

*rate = total number for the year/total revenue vehicle miles traveled

TABLE 7: DEMAND RESPONSE SAFETY PERFORMANCE TARGETS

Measure	Baseline	Target
Fatalities	0	0.0
Rate of Fatalities*	0	0.00000%
Injuries	4.0	1.0
Rate of Injuries*	0.00052%	0.00000%
Safety Events	3.8	2.8
Rate of Safety Events*	0.00061%	0.00000%
System Reliability	59,324	39,920

*rate = total number for the year/total revenue vehicle miles traveled

Adopted by the Waco City Council on December 19, 2023



Public Transportation Asset Condition (TAM) Performance Targets

- FAST Act Requirements
 - Maintain safe transit networks
 - Asset condition improvements should guide funding prioritization
 - Establish 3 Performance Measures
 - Rolling Stock - % of revenue vehicles that exceed the Useful Life Benchmark (ULB)
 - Equipment - % of non-revenue maintenance vehicles that exceed the ULB
 - Facilities - % of facilities rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale



Regional Performance Targets

Community Engagement – Proposed Schedule

- **Solicitation of Comments** – January 22 - 31, 2024
 - Submit comments online at <https://www.waco-texas.com/cms-mpo/get-involved>
- **Public Information Meetings**
 - January 22, 2024 – 5:30 PM
 - In Person - 401 Franklin Ave, Waco, in the 1st Floor Main Conference Room of the Dr. Mae Jackson Development Center
 - Virtual - Meeting information posted at <https://www.waco-texas.com/cms-mpo/get-involved>
- **TAC Review / Recommendation for Policy Board** – February 1, 2024
- **Public Hearing / Policy Board Action** – February 15, 2024

Directive Action Item

- **Discussion**
- **Options**
 - Direct staff to begin federally required community engagement
 - Request public comments regarding proposed performance targets for calendar year 2024
 - Yea / Nay





2050 Metropolitan Transportation Plan (MTP)

- Development Process

Waco MPO 2050 Metropolitan Transportation Plan 2023-2025

1. Brainstorm
Approach and Scope
Jan. - May 2023

2. Public Listening
Session
Oct. 6, 2023

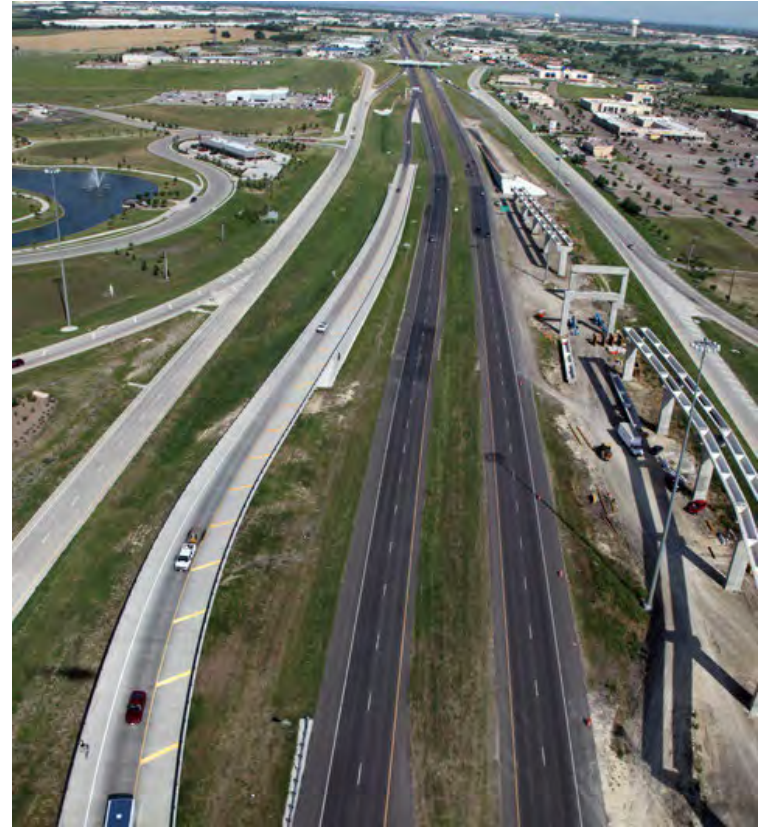
4. Calls for Proposals/
Project Evaluation
Framework
Dec. 2023 – Feb. 2024

3. Regional Visioning
Work Session
Oct. 19, 2023

5. Project Solicitation
/Evaluation
Mar. – Jul. 2024

6. Public Meetings
Aug. - Oct. 2024





7. Final MTP 2050
Jan. 2025



Current Grant Efforts

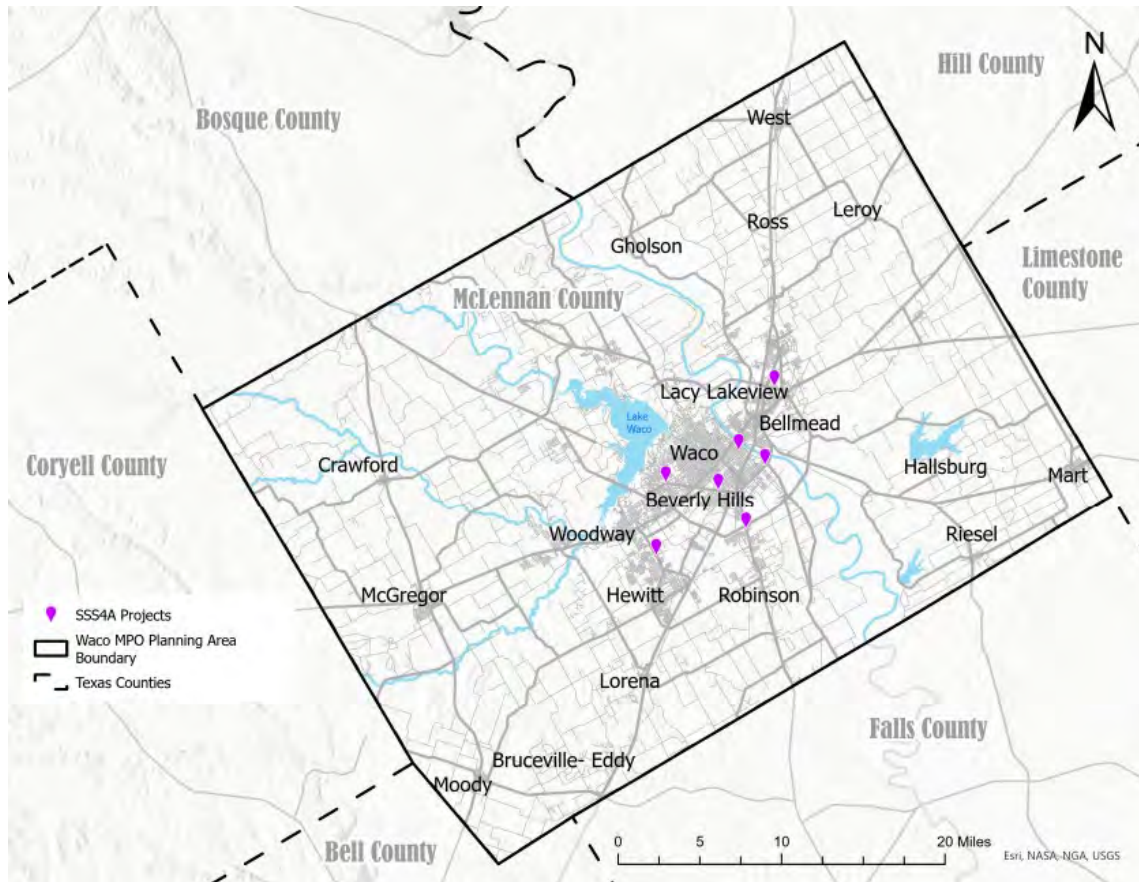
- Update and Discussion

Current Grant Efforts

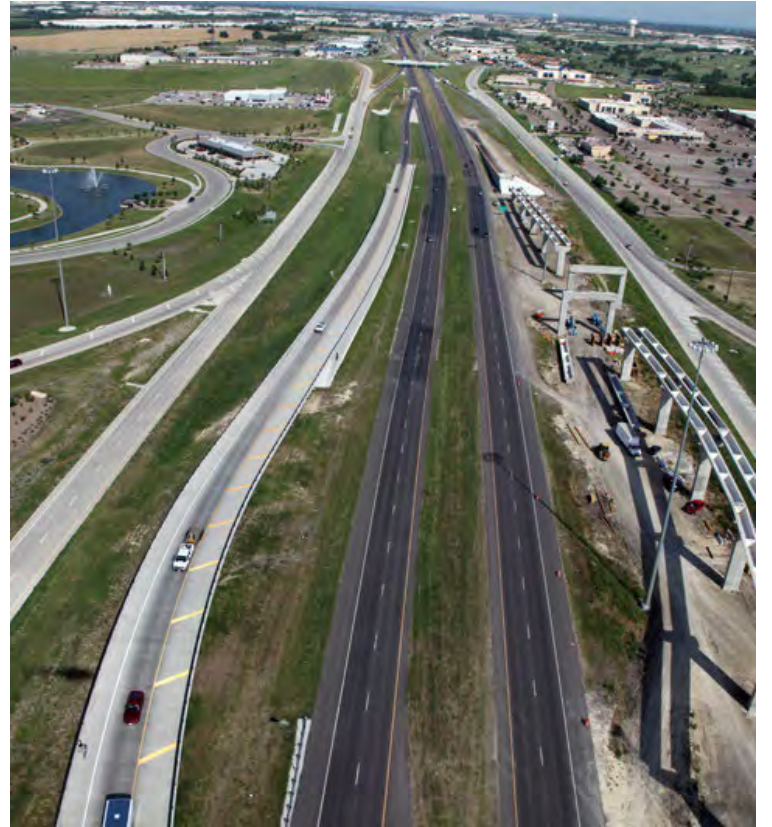
- **Safe Streets and Roads for All (SS4A) Grant**
 - **FY 2022 Planning Grant** 
 - Awarded \$560,000 to develop Comprehensive Safety Action Plan
 - *In Progress, expected completion May 2024*
 - **FY 2023 Demonstration Project Grant** 
 - Awarded \$1.2 M for six projects across Waco, Hewitt, & Bellmead
 - *Not yet executed*
 - **FY 2024 Implementation Grants** (*expected to open in February*)
- **FY 2023 RAISE Grant** 
 - Awarded \$4.8 M for smart corridor planning
 - *Not yet executed*
- **FY 2023 SMART Grant** 
 - “Smart Technologies for Placemaking: Equitable Development and Climate Benefits in Mobility Systems.”



Safe Streets and Roads for All (SS4A) Projects



- N Loop 340 (Bellmead)
- Franklin Ave
- La Salle Ave
- Robinson Dr.
- Hewitt Dr. and Panther Way Intersection
- Valley Mills Dr. and Bosque Blvd Intersection
- Valley Mills Dr. and Memorial Dr./Dutton Ave Intersection

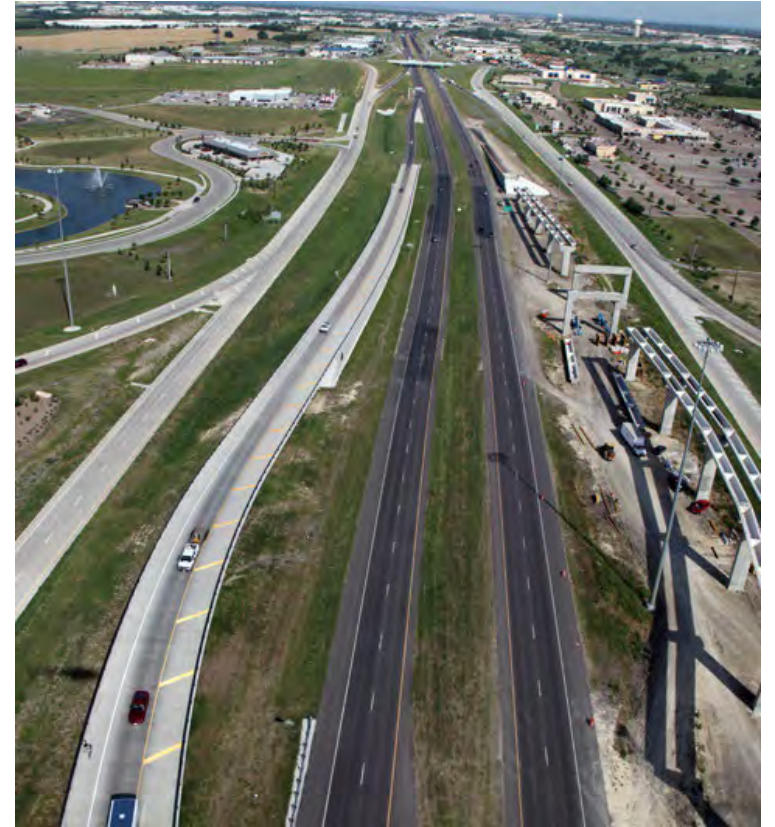


MPO Redesignation

- Update and Discussion

MPO Redesignation Efforts

- Current Status
 - Waiting to hear from TP&P, TxDOT
- Next Steps
 - Supporting resolutions from:
 - City of Waco
 - McLennan County
 - City of Hewitt



Technical Advisory Committee

- Update and Discussion

Technical Advisory Committee Update

- Discussed and recommended Immediate Short-Term Projects and Performance Measure Targets to Policy Board
- Reviewed the three proposed amendments (MTP, TIP, PPP)
- Reviewed safety performance targets and recommended commencing federally required community engagement



TxDOT Waco Area Project Updates

Building the Texas Transportation System





- **Spring Valley Widening**

ROADWAY: FM 2113

COST: \$15,387,558.27

LIMITS: From Sun Valley to Hewitt Dr

SCOPE: Adding Turn Lane, Shoulders, and Drainage

TIMELINE: Anticipate Fall 2024 Completion

- Opened east half of new roadway between Sun Valley and Old Temple. Beginning removals of west half of roadway to begin permanent construction.
- Completed drainage construction between Old Temple and Hewitt Dr and continuing paving operations. Expect to open in February, weather permitting.



- **IH 35 Resurfacing**

ROADWAY: IH 35

COST: \$6,126,287.10

LIMITS: N. Loop 340 to BU 77

SCOPE: Mill and Inlay

TIMELINE: Est. Completion End of 2023

- All paving operations complete.

-Upgrading MBGF and install delineation at 4th/5th St uturn.



- **FM 434/U Parks Widening**

ROADWAY: FM 434

COST: \$6,126,287.10

LIMITS: From BU 77 to FM 3400

SCOPE: Widen and construct left turn lane

TIMELINE: Est. Completion End of 2024

-Performing subgrade widening on south side of roadway.

-Demolished half of bridge at Primrose Creek and started constructing new bridge. Road will be reduced to single lane with temp signal until Summer 2024.



- **SH 6 Mall to Mall**

ROADWAY: SH 6

COST: \$54,894,543.25

LIMITS: Bagby Ave to US 84

SCOPE: Widen freeway, construct frontage road bridges, and reconfigure ramps

TIMELINE: Est. Completion Early 2024

- Poured last mainlane bridge on 1/10/24.
- Placing final surface of new mainlane pavement between Bagby and US 84. Currently anticipate opening by early February.

Bagby Turnarounds



Exchange Parkway



Beverly Bridges

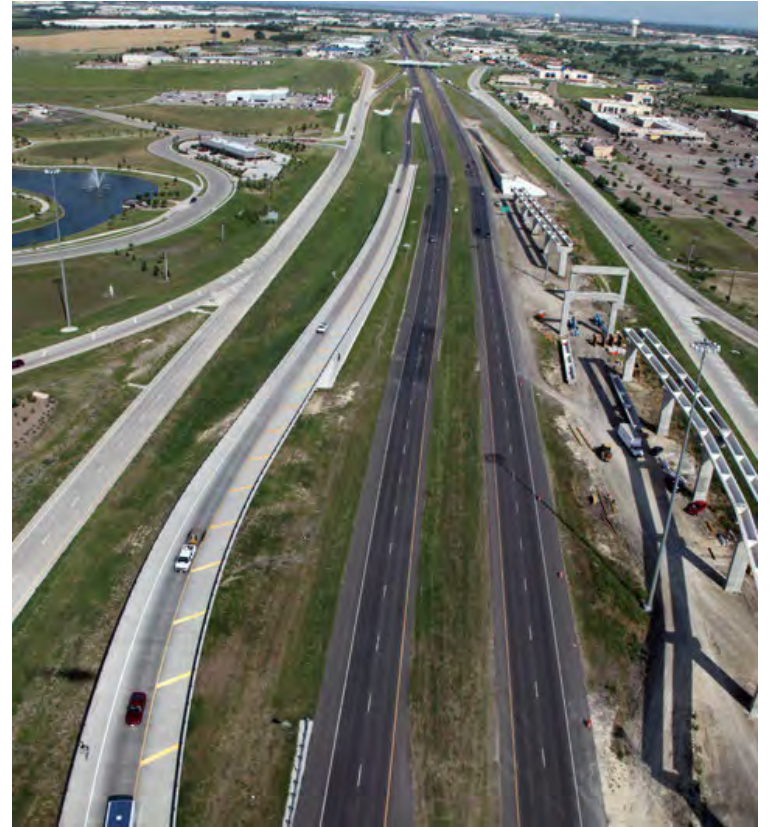




Oxygen/Depot Bridges







Workgroup Updates, Monthly Report, & Announcements

Work Group Updates

CITIZEN'S PARTICIPATION (CP)

- TBD
- Nominations requested

CONNECTED & AUTOMATED VEHICLES (CAV)

- Last Meeting – January 17, 2024
- Next Meeting – April 17, 2024

BICYCLE & PEDESTRIAN (BP)

- Next Meeting – February 21, 2024

MOBILITY, LAND USE & TRANSPORTATION (MLT)

- TBD
- Nominations requested

Monthly Report

MEMBERSHIP UPDATE

- Routine updates from membership and staff

ORGANIZATIONAL UPDATE

- Local Fund Update
- RAISE Grant Team formation

Announcements

NEXT POLICY BOARD MEETING

- Thursday, February 15, 1:30 PM
- South Waco Community Center
2815 Speight Ave

REQUEST FOR AGENDA ITEMS

- Plan & Program Amendments
- Work Group Updates
- Grant Updates
- TxDOT Construction Update
- Any other items?



Hearing of Visitors

- Addressing the Board:
 - Visitors may address the Policy Board regarding **any item of MPO business not identified on this agenda**
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 - Non-English speakers and hearing-impaired requiring translators may have up to 6 minutes
 - Persons representing a group may have up to 10 minutes
- The Policy Board cannot respond to comments received during this public hearing





Contact Us

- Phone: (254) 750-5650
- Email:
 - mpo@wacotx.gov
- Website:
 - <https://www.waco-texas.com/Departments/Metropolitan-Planning-Organization>

