



# Waco MPO Technical Advisory Committee Meeting

Thursday, March 2, 2023 2:00 PM

# Roll Call of TAC Members

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- Introduction and Welcome for new members of TAC
- MPO staff will verify the attendance of each Technical Advisory Committee member present







# Agenda

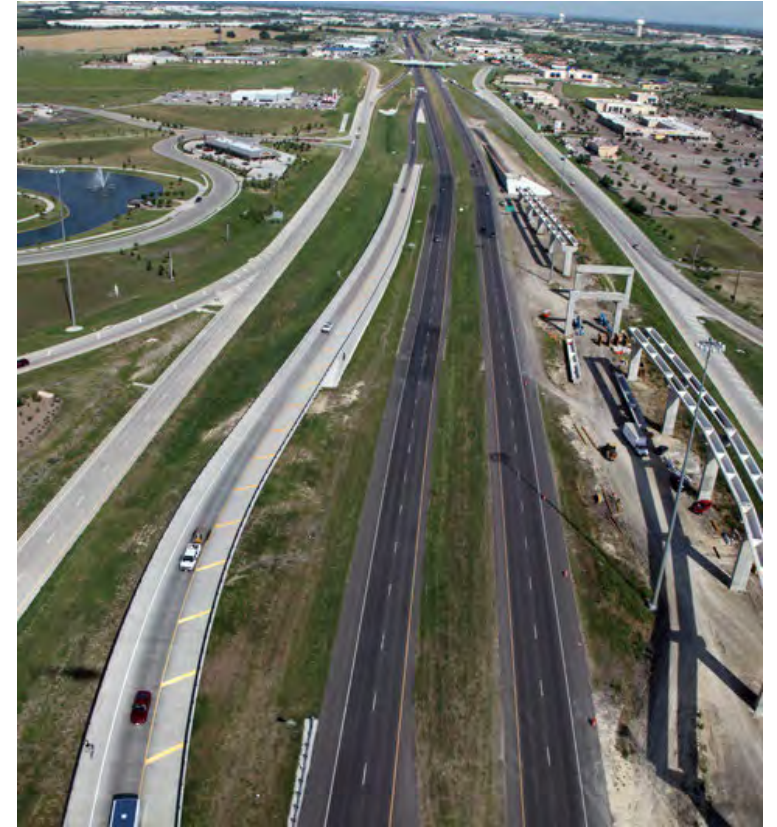
Carbon Reduction Program

Pavement & Bridge  
Performance Targets

TxDOT Updates

Work Group Updates,  
Monthly Report &  
Announcements





# Carbon Reduction Program

Schedule for Call for Proposals



# Carbon Reduction Program

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## Schedule for Waco MPO's 2023 Carbon Reduction Program Call for Proposals

- **Opening Date** – Wednesday, March 1, 2023 (Now Open)
  - *The Waco MPO will begin accepting proposals; applications available online*
- **Closing Date** – Monday, May 1, 2023
  - *Proposals must be submitted by 5pm on closing date for consideration*
- **Proposal Overviews** – Thursday, May 4, 2023 during MPO TAC Meeting
  - *3-minute overview of each proposal presented by proposal sponsors to TAC and public attendees*
  - *5-minute question/answer opportunity following each proposal overview*
- **Proposal Evaluation Period** – Thursday, May 4, 2023 through Friday, May 19, 2023
  - *TAC members will evaluate submitted proposals according to adopted project selection criteria*
- **Award Presentation** – Thursday, June 1, 2023 during MPO TAC meeting
  - *Selected project proposals will be announced*
  - *Public attendees welcome*



# Carbon Reduction Program

- Call for Proposals
  - Get Involved section of Waco MPO website
  - Link to Project Submission Form
  - Enter Project Sponsor, Project Details & Contact Information
  - Answer 8 questions
  - Submit Proposal
    - Confirmation receipt will be sent via email once submitted

Carbon Reduction Program - Waco MPO Project Submission

My progress: 0%

About:

The Carbon Reduction Program (CRP) was established by the 2021 Bipartisan Infrastructure Bill with the goal of reducing transportation emissions nationwide. Over the course of five years, approximately \$6.4 billion will be apportioned to the program, with almost \$550,000 of that total amount expected to be allocated within the Waco MPO planning area annually.

CRP funds present an opportunity for the implementation of low-cost, high-impact projects which reduce transportation emissions while benefiting communities. The scale of projects feasible within the anticipated funding level increases the potential of cities of all sizes and resource levels to contribute the required 20% funding match.

As communities contemplate eligible projects, they are encouraged to think both strategically and holistically while considering those projects which reduce transportation emissions while also increasing quality of life within the community. The MPO's evaluation guidelines are designed to encourage communities to think systemically about the impact of their projects while also keeping in mind Federal Highway Administration's (FHWA) priorities.

A list of eligible activities has been made available in the FHWA's [Carbon Reduction Program Implementation Guidance Document](#), however other projects not specifically listed may be eligible if their ability to reduce transportation emissions can be demonstrated. Please refer to the carbon emissions [calculator](#) and the [references](#).

CRP funds should be accessible to communities of all resource levels. In order to facilitate this goal, CRP project prioritization criteria developed by the MPO has been designed to be intentionally straightforward. Projects will be scored across the fields of *Reduction in Transportation Emissions, Equity, Impact on Future Generations, and Land Use Considerations*.

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Powered by [QuestionForm](#)

Carbon Reduction Program - Waco MPO Project Submission

My progress: 11%

Introduction

Proposed Project Details

City Name:

Contact Name, Title:

Email:

Phone Number:

Project Title:

Project Location:

Project Location

Map Satellite

Project Description:

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Carbon Reduction Program - Waco MPO Project Submission

My progress: 22%

Alignment with Prioritization Criteria:

1. Is your project a listed, eligible activity?

If yes, which eligible category does your project fall under? If no, how and to what degree would your project measurably reduce transportation emissions? [Required](#)  
[Click to see eligible activity.](#)

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Powered by [QuestionForm](#)



# Carbon Reduction Program

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## Evaluation Team

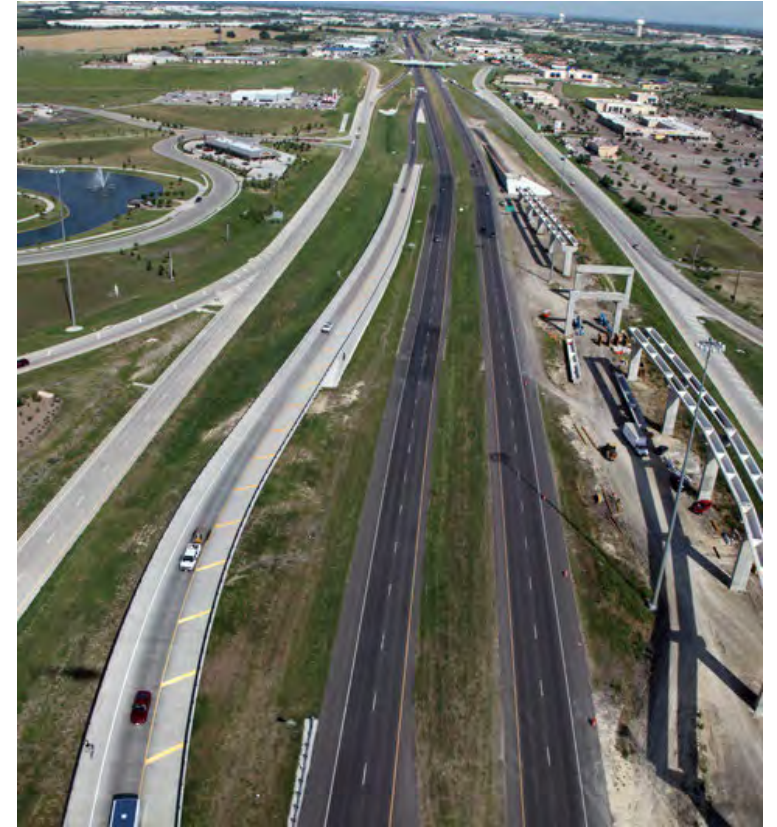
- **Composition**

- # members of the TAC
- Appoint members today
- 1 member of the Bicycle + Pedestrian Work Group (BPWG) + alternate
  - Grayson Meek

- **Time Commitment**

- Thursday, May 4, 2023 @ 2pm – Proposal Overviews presented during TAC meeting
- Thursday, May 4 through Friday, May 19, 2023 – Evaluate Proposals on your own time
- Friday, May 19, 2023 by 5pm – Proposal evaluations turned into MPO Staff
- Thursday, June 1, 2023 @ 2pm – Selected proposals will be announced during TAC meeting



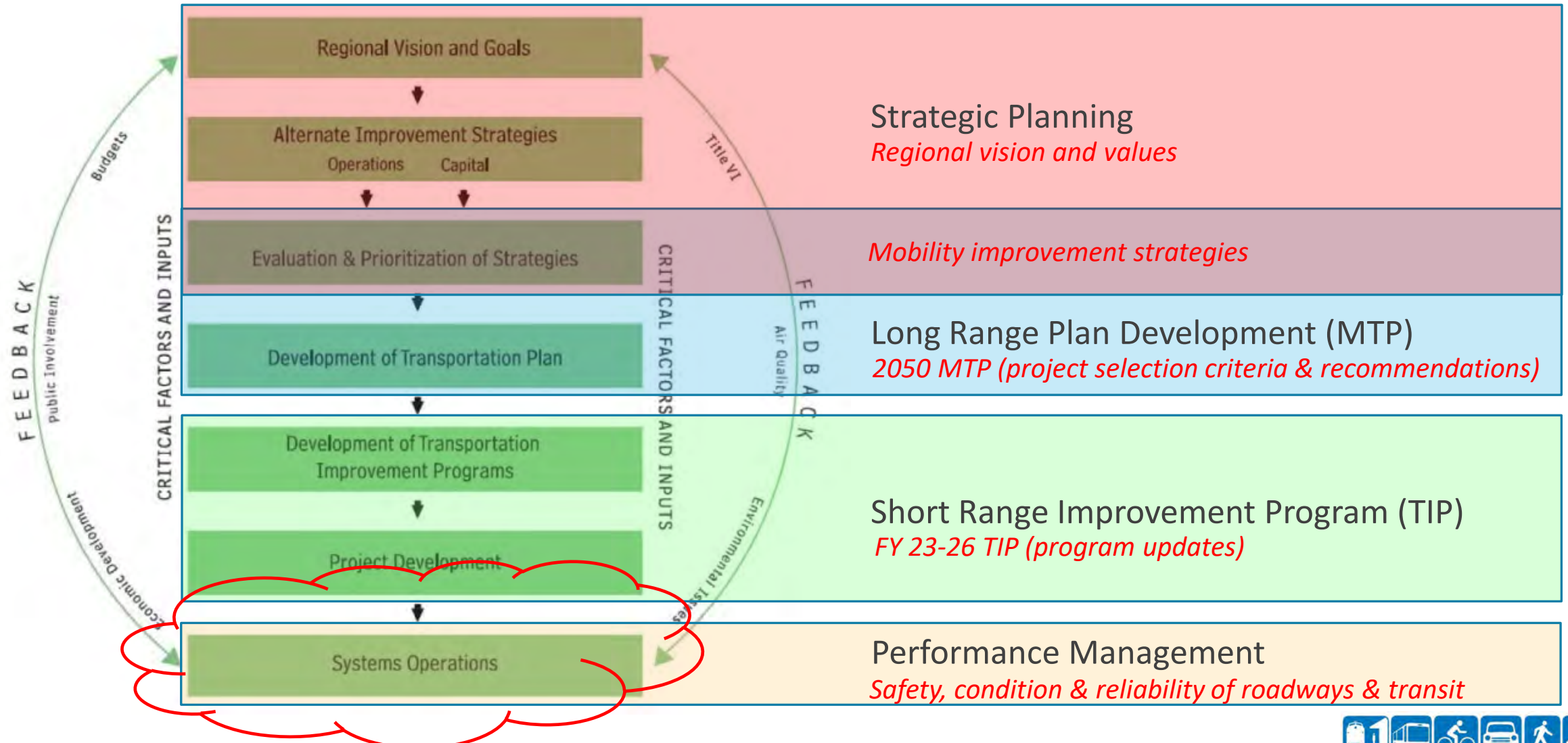


# Pavement and Bridge Conditions

Proposed 2-year & 4-year Transportation System Performance Targets



# Performance Measures and Target Setting



Source: The Transportation Planning Process Briefing Book, USDOT

# Pavement & Bridge Condition

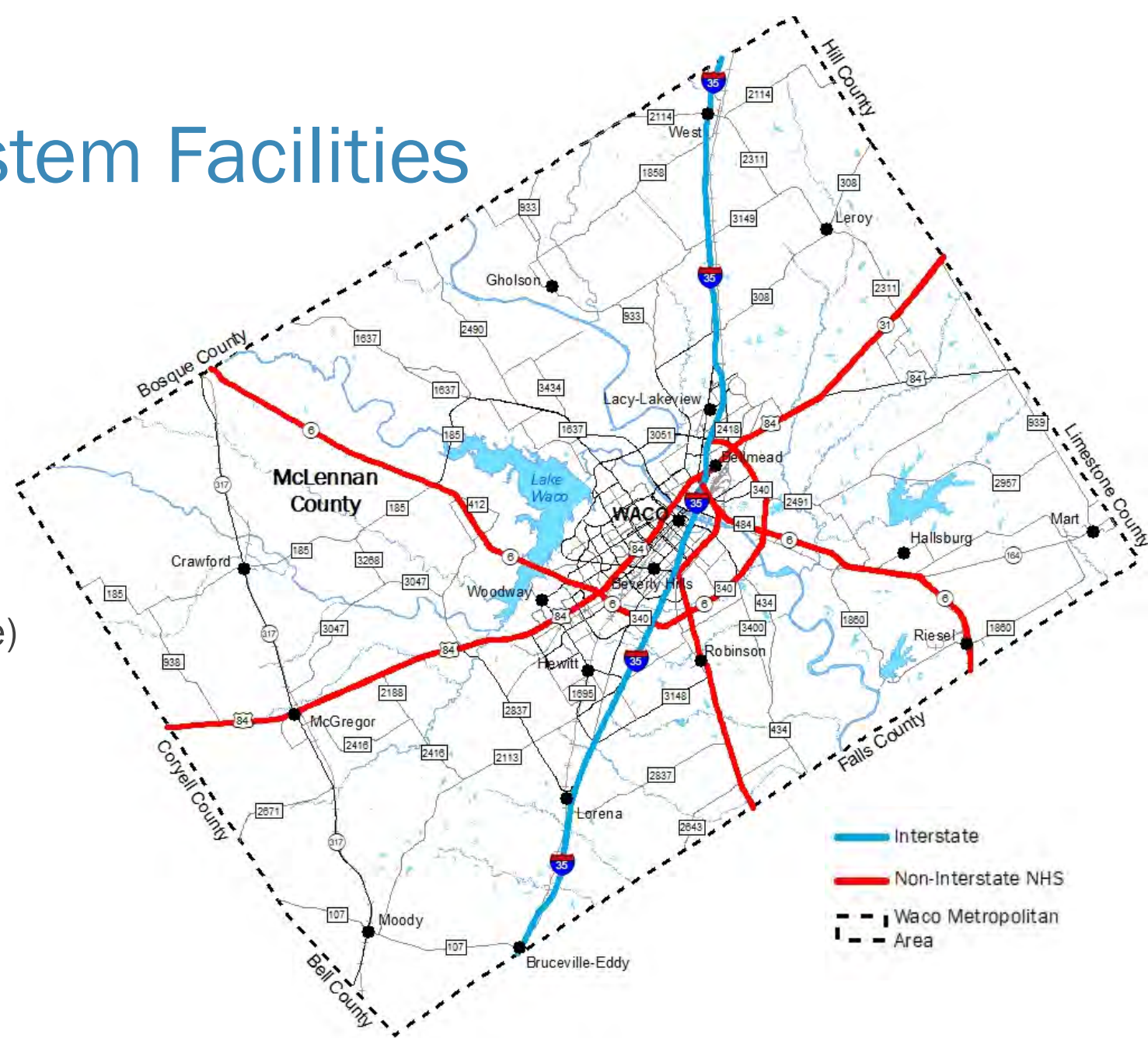
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- FHWA / State DOTs – State of Good Repair
  - Ensure safety of traveling public
  - Ensure effective long-term operation of transportation infrastructure assets
  - Achieve using transportation asset management (TAM)
    - data-driven, performance-based decision-making
    - choose the right improvements at the right time in an asset's lifecycle to sustain a desired level of performance in a cost-effective way
- Condition tracking - federal requirement for States & MPOs
  - National Highway System (NHS) Roadways
    - Interstates
    - Non-Interstates (other freeways, some principal arterials)



# National Highway System Facilities in McLennan County

- Interstate – IH 35
- Non-Interstate
  - US 77 (IH 35 to Falls County Line)
  - US 84 (SH 31 to Coryell County Line)
  - SH 6
  - SH 31
  - SL 340
  - SL 484



# Pavement & Bridge Performance

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- Performance period: 2018 – 2022
  - Performance Management approach first required in 2018 – FAST Act
  - 4-year statewide performance targets set in 2018
  - Mid-performance period progress report (2020)
    - Result: Targets adjusted
  - End of Period Assessment (2022)
    - Executive Summary included in meeting packet
- New performance period: 2022 – 2025
  - Assessment informed TxDOT's new 2-year and 4-year statewide targets
  - Set in December 2022 – pending FHWA review
  - MPOs have 180 days to affirm support for TxDOT's targets or set new regional targets



# TXDOT's Pavement & Bridge Condition Performance Targets

## NHS Interstate Pavements\*

Metric	Lane Miles-Baseline	2-year Target	4-year Target
Good	64.50%	63.90%	63.60%
Poor	0.10%	0.20%	0.20%

\*(% lane miles by condition based on roughness & surface distresses)

## Non-Interstate NHS System Pavements\*

Metric	Lane Miles-Baseline	2-year Target	4-year Target
Good	51.70%	45.50%	46.00%
Poor	1.30%	1.50%	1.50%

\*(% lane miles by condition based on roughness & surface distresses)

## NHS Bridges\*\*

Metric	Deck Area - Baseline	2-year Target	4-year Target
Good	49.20%	48.50%	47.60%
Poor	1.10%	1.50%	1.50%

\*\*(% deck area by condition)



# Waco Area Pavements

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- Pavement conditions for all roadways in Waco area
  - Metrics: Roughness, Cracking, and Rutting or Faulting
    - Roughness rating: 47% rated good, 11% rated poor
    - Cracking rating: 4% good, <1% poor
    - Rutting rating: 37% good, <1% poor
    - Faulting rating: 20% good, 14% poor



# Waco Area Pavements

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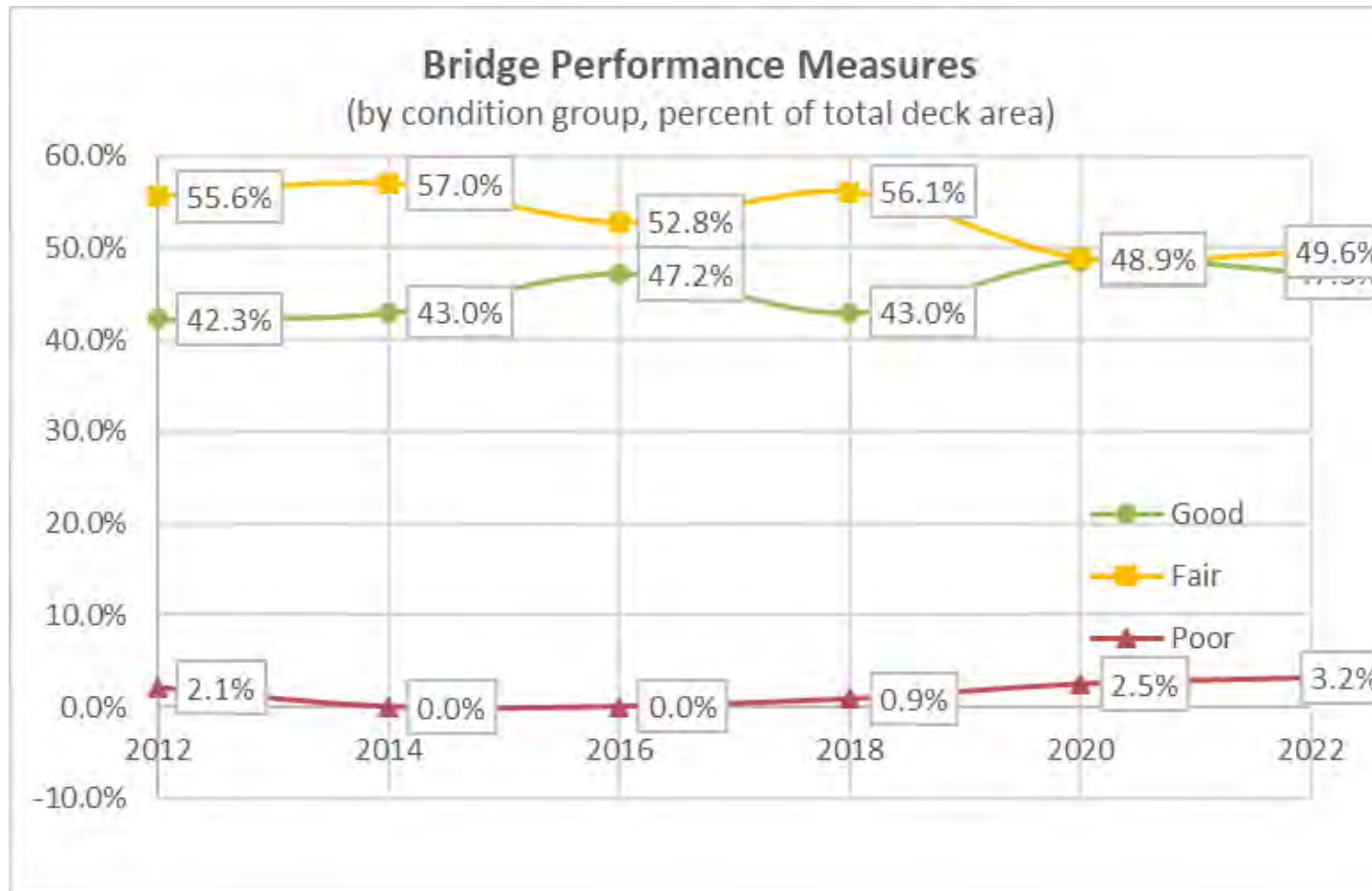
- Percentage of NHS pavements in **good** condition
    - 60.9%
  - Percentage of NHS pavements in **poor** condition
    - 4.5%
  - Percentage of non-NHS pavements in **good** condition
    - 38.5%
  - Percentage of non-NHS pavements in **poor** condition
    - 0.7%
- TXDOT 4-year target
    - NHS Good = 63.6%
    - NHS Poor = 0.2%
    - Non NHS Good = 46.0%
    - Non NHS Poor = 1.5%



# Takeaways

Characteristic	Current Condition	Proposed 4-year target
NHS in good condition	60.9%	63.6%
NHS in poor condition	4.5%	0.2%
Non-NHS in good condition	38.5%	46.0%
Non-NHS in poor condition	0.7%	1.5%

# Waco Area Bridges



- Good Condition
  - 47.3%
- Poor Condition
  - 3.2%
- Poor NHS Bridges
  - 0.0%
- TXDOT 4-year target
  - Good Condition = 47.6%
  - Poor Condition = 1.5%



# Takeaways

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- Bridge Condition
  - Almost 50% of bridges in Waco area are in good condition
  - 3% of bridges in Waco area are in poor condition
  - No bridges on NHS roadways in McLennan County are currently in poor condition
    - Targets will be met for the current performance period



# MPO Staff Recommendation

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- MPO staff recommendation
  - Recommend supporting TXDOT's 2-year and 4-year bridge condition performance targets
  - Evaluate support for TXDOT's 2-year and 4-year pavement condition performance targets in April



# Proposed Public Input Schedule

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- Public Input
  - Conduct Public Comment Period March 20 – March 29, 2023
  - Public Meeting – March 20 at 12:00 Noon
- TAC Recommendation to Policy Board – April 6, 2023
- Public Hearing – April 20, 2023



# TxDOT Waco Area Project Updates

Building the Texas Transportation System



March 2, 2023



- **Waco ADA Project**

**ROADWAY:** US 84

**COST:** \$9,930,693.78

**LIMITS:** Centerpoint Dr to FM 933

**SCOPE:** Install sidewalk and upgrade signals

**TIMELINE:** Est. Completion Spring 2023

- Installing new signal components throughout the project. Will continue transferring to new signals.
- Will complete work at intersections once old signals removed.





- **SH 31 Overpass**

**ROADWAY:** SH 31

**COST:** \$11,321,680.00

**LIMITS:** At FM 939

**SCOPE:** Construct overpass and widen FM 939

**TIMELINE:** Est. Completion Fall 2023

- Continuing work on both new mainlane bridges and embankment
- Continuing intersection and widening work along FM 939 to the south of SH 31



- **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

- Continuing permanent drainage and pavement construction on east side of roadway between Sun Valley and Old Temple
- Continuing bridge widening at Castleman Creek
- Moved traffic to detour pavement between Old Temple and Hewitt Dr to begin permanent drainage and pavement work on NB side of roadway.

- **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 End of 2023

- Continuing work on new frontage road bridges and retaining walls at Beverly crossing
- Recent and upcoming traffic switches
  - Opened new EBFR bridge at Beverly and closed Bagby exit (4-6 weeks)
  - Opened new WBFR bridge at Beverly and closed Imperial/Industrial exit (4-6 weeks)
  - Opened permanent WB-EB turnaround closest to US 84
  - Move ML traffic to FR bridges at Beverly by early April



# SH 6 (Bagvy)



1/25/2023 5:03:18 PM (-6.0 hrs) Lat=31.49291 Lon=-97.16752 Alt=2024ft MSL WGS 1984



# SH 6 (Beverly Dr)



1/25/2023 5:02:47 PM (-6.0 hrs) Lat=31.49932 Lon=-97.18182 Alt=2045ft MSL WGS 1984



# SH 6 (Imperial/Industrial Dr)



1/25/2023 5:02:38 PM (-6.0 hrs) Lat=31.50226 Lon=-97.18541 Alt=2021ft MSL WGS 1984



# SH 6 (Imperial/US 84 U-Turn)



1/25/2023 5:02:27 PM (-6.0 hrs) Lat=31.50573 Lon=-97.18985 Alt=2046ft MSL WGS 1984





- **IH 35 4B**

**ROADWAY:** IH 35

**COST:** \$341,215,000.00

**LIMITS:** Loop 340 to 11<sup>th</sup>/12<sup>th</sup> St

**SCOPE:** Widen Freeway from 6 to 8 lanes

**TIMELINE:** Project Completion Spring 2023





11<sup>th</sup>/12<sup>th</sup> Streets – March 2019





11<sup>th</sup>/12<sup>th</sup> - 2023



1/25/2023 4:45:46 PM (-6.0 hrs) Lat=31.54481 Lon=-97.13238 Alt=2010ft MSL WGS 1984





4<sup>th</sup>/5<sup>th</sup> Streets – March 2019







1/25/2023 4:45:23 PM (-6.0 hrs) Lat=31.55325 Lon=-97.12786 Alt=1990ft MSL WGS 1984





University Parks Drive – March 2019







1/25/2023 4:45:10 PM (-6.0 hrs) Lat=31.55758 Lon=-97.12501 Alt=2013ft MSL WGS 1984





**Brazos River – March 2019**











3/27/2019 11:04:04 AM (-5.0 hrs) Lat=N31 33' 32.24" Lon=W097 06' 40.45" Alt=2046ft MSL WGS 1984





1/25/2023 4:44:57 PM (-6.0 hrs) Lat=31.56262 Lon=-97.12346 Alt=1983ft MSL WGS 1984





BUS 77 – March 2019







1/25/2023 4:44:13 PM (-6.0 hrs) Lat=31.58043 Lon=-97.11831 Alt=2040ft MSL WGS 1984





US 84/Waco Drive – March 2019







1/25/2023 4:44:01 PM (-6.0 hrs) Lat=31.5855 Lon=-97.1176 Alt=2032ft MSL WGS 1984



# Behrens Circle



3/27/2019 11:05:24 AM (-5.0 hrs) Lat=N31 35' 40.71" Lon=W097 06' 07.82" Alt=2063ft MSL WGS 1984



# Behren's Circle - 2023



1/25/2023 4:43:36 PM (-6.0 hrs) Lat=31.59631 Lon=-97.1169 Alt=2053ft MSL WGS 1984





3/27/2019 11:05:40 AM (-5.0 hrs) Lat=N31 36' 05.92" Lon=W097 06' 01.19" Alt=2104ft MSL WGS 1984





1/25/2023 4:43:10 PM (-6.0 hrs) Lat=31.60683 Lon=-97.11319 Alt=2059ft MSL WGS 1984





# Questions?

Contact TxDOT for a copy of this presentation:

**Jake Smith, Public Information Officer**

**[jacob.smith@txdot.gov](mailto:jacob.smith@txdot.gov)**

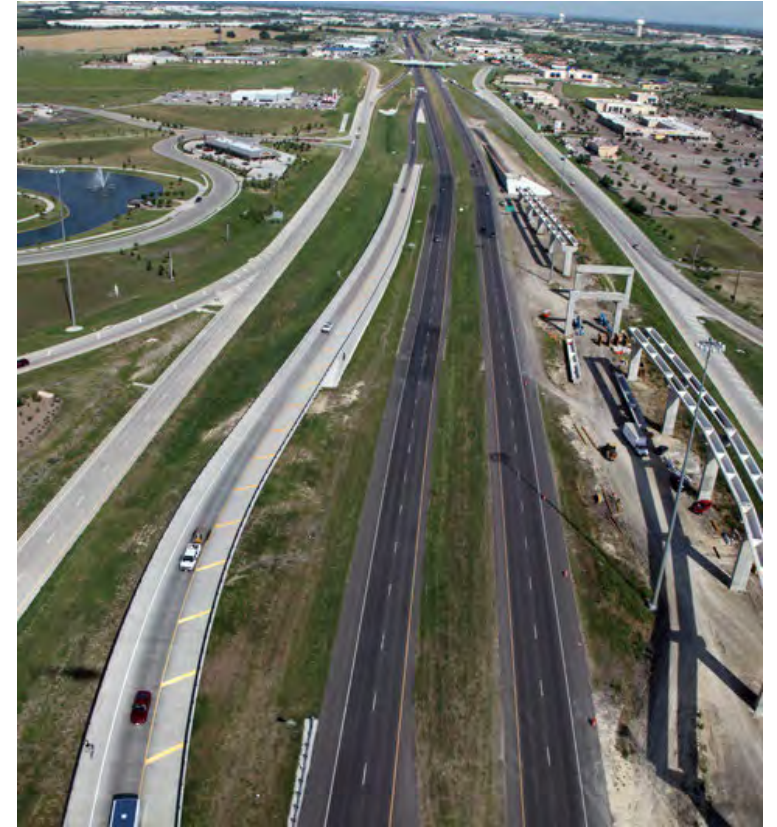
**(254) 867-2836**

## TxDOT Waco Area Project Updates

Building the Texas Transportation System







# Monthly Business

Work Group Updates, MPO Monthly Report, Announcements



# Work Group Updates

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- Citizen's Participation Work Group
- Bike & Pedestrian Work Group – Suzette May
- Connected and Automated Vehicles Work Group
- Mobility, Land Use, and Transportation Work Group



# MPO Monthly Report

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- Membership Update
- Organizational Update
- SS4A Grant Award
  - Waco MPO has been awarded \$560,000 of federal funding
  - 20% local match (\$140,000) will be required
  - Development of a Comprehensive Safety Action Plan
  - Tentative schedule for county-wide safety workshop – April 20, 2023 (8:30-4:30)
- Reconnecting Communities Grant
- RAISE Grant Application



# Announcements

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- Next TAC Meeting
  - Thursday, April 5, 2023
- Next Bike & Pedestrian Work Group Meeting
  - Wednesday, May 17, 2023
- Convene Connected and Automated Vehicles Work Group
  - Thursday April 19, 2023
- Request for Agenda Items for Future Meetings





# Contact Us

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