



Transportation Policy Board

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April 21, 2020

Mr. Mark Sprick

TxDOT- PTN Austin District

125 E. 11th Street

Austin, TX 78701-2483

RE: Revisions to the Destino 2045 MTP and 2019-2023 Destino Transportation Improvement Program (TIP) for inclusion in the 2019-2022 Statewide Transportation Improvement Program (STIP).

Dear Mr. Sprick:

Enclosed are TIP pages for inclusion into the 2019-2022 Statewide Transportation Improvement Program (STIP), Destino 2045 Metropolitan Transportation Plan (MTP), and the Destino 2019-2023 TIP. The Transportation Policy Board (TPB) approved the amendments at the April 17, 2020 meeting.

Transit Projects:

1. Reprogram the Montana RTS 1st year Operating Assistance (MPO ID T092X/CSJ 0924-06-574) project, from FY 2021 to FY 2022, using \$1,917,592 of Category 5 CMAQ;
2. Reprogram the Montana RTS 2nd year Operating Assistance (MPO ID T097X/CSJ 0924-06-575) project, from FY 2022 to FY 2023, using \$1,300,000 of Category 5 CMAQ;

If you have any questions or concerns, please feel free to contact Roger Williams at 915-212-7101.

Sincerely,

Eduardo Calvo, AICP
Executive Director

Enclosures

cc: Eddie Valtier, TXDOT-El Paso
Marty Boyd, TXDOT-El Paso
Art Estrada, TXDOT-El Paso

Eduardo Calvo, AICP
Executive Director

FY 2022 TRANSIT PROJECT DESCRIPTIONS

Wed April 08, 2020

EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM (TIP) 2019-2023

District: TX DIST. 24

YOE = Year of Expenditure

General Project Information

Project Sponsor: Sun Metro
MPO ID: **T092X**
Project Name: Montana RTS 1st year Operating Assistance
Apportionment Year: 2022
Project Phase: T
Brief Project Description: Montana RTS 1st year Operating Assistance: 1st year of Montana RTS operations.
Sec5309 ID:
Amend Date: 05/2019
Remarks/Amend Action: Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to reprogram from FY 2021 to FY 2022.

Funding Information (YOE)

Fed. Funding Category: **Regionally Significant or Other (incl FHWA transfers)**
Other FTA Section: **FHWA CAT 5 - CMAQ Transfer to FTA**
Federal (FTA) Funds: \$1,534,074
State (TXDOT) Funds: \$0
Other Funds: \$383,518
Fiscal Year Cost: \$1,917,582
Construction: \$1,917,582 PE: \$0 ROW: \$0
Total Project Cost: \$1,917,582
TDC Amount Requested: \$0
TDC Awarded Date & Amount: \$0

AMENDMENT HISTORY

History STIP Rev Date	History FY	History Date	History Note/Amendment
07/2018	2021	05/2018	Program D2045 MTP, D19-22 TIP, 19-22 STIP, in FY 2021.
11/2019	2021	10/2019	Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to update project name and description to 1st year.
05/2020	2022	04/2020	Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to reprogram from FY 2021 to FY 2022.

FY 2023 TRANSIT PROJECT DESCRIPTIONS

Wed April 08, 2020

EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM (TIP) 2019-2023

District: TX DIST. 24

YOE = Year of Expenditure

General Project Information

Project Sponsor: Sun Metro
MPO ID: T097X
Project Name: Montana RTS 2nd year Operating Assistance
Apportionment Year: 2023
Project Phase: T
Brief Project Description: Montana RTS 2nd year Operating Assistance: 2nd year of Montana RTS operations.
Sec5309 ID:
Amend Date: 05/2020
Remarks/Amend Action: Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to reprogram from FY 2022 to FY 2023.

Funding Information (YOE)

Fed. Funding Category: Regionally Significant or Other (incl FHWA transfers)
Other FTA Section: FHWA CAT 5 - CMAQ Transfer to FTA
Federal (FTA) Funds: \$1,040,000
State (TXDOT) Funds: \$0
Other Funds: \$260,000
Fiscal Year Cost: \$1,300,000
Construction: \$1,300,000 PE: \$0 ROW: \$0
Total Project Cost: \$1,300,000
TDC Amount Requested: \$0
TDC Awarded Date & Amount: \$0

AMENDMENT HISTORY

History STIP Rev Date	History FY	History Date	History Note/Amendment
07/2018	2022	05/2018	Program D2045 MTP, D19-22 TIP, 19-22 STIP, in FY 2022.
11/2019	2022	10/2019	Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to update project name and description to 2nd year.
05/2020	2023	04/2020	Amend the D2045 MTP, D19-23 TIP, 19-22 STIP to reprogram from FY 2022 to FY 2023.

Destino 2045 MTP Project List
TX Transit (FTA and Local funds)

CSJ	Project ID	Project Name	Project Description	From	To	Network	Current Const. Cost / 2017-2045 Cost	Est. Construction Cost / YOE Cost (Includes Inflation)	Est. PE Cost (Includes Inflation)	Est. ROW Cost (Includes Inflation)	Total Project Cost/YOE (Includes Inflation)	Sponsor	YOE (FY)
	T011-14	FTA 5310 EPMPO Program Administration FFY 2018 Funds	FTA 5310 Enhanced Mobility for Seniors and Individuals with Disabilites Program for EPMPO Program Administration FFY 2018 Funds for use in FY 2019.	N/A		2020	\$65,591	\$65,591	\$0	\$0	\$65,591	EPMPO	2019
	T013B-2	Design & Construction for Juarez & El Paso International Pedestrian crossing.	Planning and PE specifications and construction of an International crossing service to provide most efficient and productive methodology to move pedestrians through downtown bridges and connect to transit service.	Stanton POE	Santa Fe POE	2030	\$104,159,043	\$131,794,418	\$6,457,926	\$9,225,609	\$147,477,954	SUN METRO-TRANSIT	2024
	T304	Design and Construction for Transit Center for Intercity and International Transit	Design and Construction for a site for all local private and public transit services.	Downtown Area	Downtown Area	2030	\$27,527,113	\$37,672,755	\$1,845,965	\$2,637,093	\$42,155,812	SUN METRO-TRANSIT	2026
	T305-CAP-2	Design and Construction for Streetcar Phase II - Service to MCA	Design & Construction planning, specifications & construction for extending streetcar route to MCA, Texas Tech, Foster School area.	Downtown Terminal - Santa Fe	Alameda at Colfax	2030	\$111,884,394	\$136,124,473	\$6,670,099	\$0	\$142,794,572	SUN METRO-TRANSIT	2023
	T011-17	FTA Section 5310 El Paso Urbanized Area Grant - Project Amistad dba Amistad	Funding for the purchase of four ADA-compliant vehicles and operational funding for 5310 program	El Paso County	El Paso County	2020	\$590,321	\$590,321	\$0	\$0	\$590,321	Project Amistad	2019
	T011-18	FTA Section 5310 El Paso Urbanized Area Grant - Project Amistad dba Amistad	Funding for the purchase of four ADA-compliant vehicles and operational funding for 5310 program	El Paso County	El Paso County	2020	\$609,951	\$609,951	\$0	\$0	\$609,951	Project Amistad	2020
	T011-19	FTA 5310 EPMPO Program Administration FFY 2019 Funds	FTA 5310 Enhanced Mobility for Seniors and Individuals with Disabilites Program for EPMPO Program Administration FFY 2019 Funds for use in FY 2020.	N/A		2020	\$67,772	\$67,772	\$0	\$0	\$67,772	EPMPO	2020
0374-02-089	T017D	Montana Corridor Rapid Transit System (RTS)	14 60' Articulated buses and construction; i.e. shelters, communication systems, guideway elements and sitework for BRT/RTS Montana corridor transit system connecting Far East El Paso to Downtown via the Cielo Vista and Five Points terminals. The Montana Avenue Corridor is a mix of residential, institutional, commercial, and light industrial areas. The project corridor includes three major segments: Downtown El Paso via Montana Avenue to the Five Points Transfer Center; Five Points Transfer Center to the El Paso International Airport, including the Eastside (Cielo Vista) terminal and finally the new Far East Transfer Center.	Five Points Terminal - Montana Street	Proposed Far East Terminal - R.C. Poe and Edgemere	2020	\$44,791,000	\$44,791,000	\$3,880,000	\$530,000	\$49,201,000	Sun Metro	2020

Plan-Wide Projects Or "All" Years Projects

	T3H (FORMER T021X)	ADA Paratransit Service (5307)	Provide ADA Para Transit Service	N/A		ALL	\$51,409,537	\$1,836,055	\$0	\$0	\$1,836,055	SUN METRO-TRANSIT	ALL-5307
	T2A	JARC (5307)	Job Access Reverse Commute			ALL	\$2,800,000	\$200,000	\$0	\$0	\$200,000	SUN METRO-TRANSIT	Odd yrs.-5307
	T3C	Capital Maintenance (5307)	Capital Maintenance			ALL	\$416,708,832	\$14,882,458	\$0	\$0	\$14,882,458	SUN METRO-TRANSIT	ALL-5307
	T3F	Support Vehicles/Bus Rehab (5339)	Support Vehicles/Bus Rehab			ALL	\$16,629,624	\$593,915	\$0	\$0	\$593,915	SUN METRO-TRANSIT	ALL-5339
	T3D	Curb Cuts / Ada Improvements (5339)	Curb Cuts / Ada Improvements			ALL	\$13,250,000	\$946,429	\$0	\$0	\$946,429	SUN METRO-TRANSIT	Even Yrs.-5339
	T011	Seniors and People with Disabilities (5310)	Transportation for the elderly and disabled provided by a local nonprofit organization	County Of El Paso		ALL	\$17,550,000	\$4,387,500	\$0	\$0	\$4,387,500	TXDOT-TRANSIT	ALL-5310
	T3I	FTA 5339 Formula Funding for Buses and Bus Facilities	For the purchase of buses and facility enhancements including equipment such as ADP hardware/software and security related needs. Also, ticket vending machines and sales related software. Capitalized maintenance incl. rebuilds and bus shelters and amenities.	Citywide		ALL	\$50,759,249	\$1,812,830	\$0	\$0	\$1,812,830	SUN METRO-TRANSIT	ALL-5339
	T3B	Other Capital Program Items (5339)	Computers Hardware & Software			ALL	\$5,271,134	\$188,255	\$0	\$0	\$188,255	SUN METRO-TRANSIT	ALL-5339
	T3A	Planning (5307)	Short Range Planning			ALL	\$31,633,537	\$1,129,769	\$0	\$0	\$1,129,769	SUN METRO-TRANSIT	ALL-5307
	T3E	Security Equipment (5307)	Security Equipment			ALL	\$6,311,615	\$225,415	\$0	\$0	\$225,415	SUN METRO-TRANSIT	ALL-5307
	T3G (FORMER T007)	Transit Enhancements (5339)	Enhancements For Buses/ Transit Facilities	El Paso (Sun Metro)		ALL	\$14,000,000	\$1,000,000	\$0	\$0	\$1,000,000	SUN METRO-TRANSIT	Odd Yrs.-5339

FHWA Funding Transfers To FTA 5307 Funding (Projects Listed Below Are Informational Only, Funding Allocations Are Accounted In Fhwa Highway And Roadway Project List And Financials)

0924-06-550	T064X	Alameda RTS Operating Assistance YR1 - 2019	1st Year of Alameda BRT-RTS operations.	Downtown Terminal - Santa Fe and Fourth	Mission Valley Terminal - Alameda and Zaragoza	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2019
0924-06-537	T065X	Dyer RTS Operating Assistance YR1 - 2019	1st Year of Dyer BRT-RTS operations.	Downtown Terminal - Santa Fe and Fourth	Northgate Terminal - Dyer at Wren	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2019
0924-06-588	T065X-A	Dyer RTS Operating Assistance YR1 - 2019 YE Balance Funding	1st Year of Dyer BRT-RTS operations.	Downtown Terminal - Santa Fe and Fourth	Northgate Terminal - Dyer at Wren	2020	\$1,928,352	\$1,928,352	\$0	\$0	\$1,928,352	Sun Metro-Transit	2019

Destino 2045 MTP Project List
TX Transit (FTA and Local funds)

CSJ	Project ID	Project Name	Project Description	From	To	Network	Current Const. Cost / 2017-2045 Cost	Est. Construction Cost / YOE Cost (Includes Inflation)	Est. PE Cost (Includes Inflation)	Est. ROW Cost (Includes Inflation)	Total Project Cost/YOE (Includes Inflation)	Sponsor	YOE (FY)
0924-06-552	T108X-2	El Paso Streetcar System 2nd Year Operating Assistance	Operating Assistance for second year of new transit service intended to reduce congestion and CO emissions.	Father Rahm	Glory Road	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2019
0924-06-538	BP006	Procurement of 3 Buses	Sun Metro seeks to procure three buses in anticipation of increased frequency and ridership demand for services around the Montecillo Development and the MCA-TTU-UMC areas.	Santa Fe Downtown terminal (2 buses) MCA-TTU-UMC areas (1 bus)	Sunland Par-Shadow Mountain (2 buses) Flower Streets (1 bus)	2020	\$1,800,000	\$1,800,000	\$0	\$0	\$1,800,000	Sun Metro-Transit	2019
0924-06-553	T108X-3	El Paso Streetcar System 3rd Year Operating Assistance	Operating Assistance for 3rd year of new transit service intended to reduce congestion and CO emissions.	Father Rahm	Glory Road	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2020
0924-06-541	T093X	Montana RTS 3rd year service operating assistance	3rd year of Montana BRT-RTS operations.	Five Points Terminal - 2830 Montana	Far East Terminal - R.C. Poe - Edgemere	2030	\$4,423,490	\$4,423,490	\$0	\$0	\$4,423,490	Sun Metro-Transit	2024
0924-06-551	T091X-2	Alameda RTS Operating Assistance YR 2 - 2020	2nd Year of Alameda BRT-RTS operations.	Downtown Terminal - Santa Fe and 4th	Mission Valley Terminal - Alameda and Zaragoza	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2020
0924-06-540	T065X-2	Dyer RTS Operating Assistance Year 2 - 2020	2nd Year of Dyer BRT-RTS operations.	Downtown Terminal - Santa Fe and 4th	Northgate Terminal - Dyer at Wren	2020	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	Sun Metro-Transit	2020
0924-06-574	T092X	Montana RTS 1st year Operating Assistance	1st year of Montana RTS operations	Downtown terminal - Santa Fe	Far East Terminal - RC Poe & Edgemere	2030	\$1,917,592	\$1,917,592	\$0	\$0	\$1,917,592	Sun Metro-Transit	2022
0924-06-573	T095X	Dyer RTS 3rd year Operating Assistance	3rd year of Dyer RTS operations	Downtown terminal - Santa Fe	Northeast Terminal - Dyer @ Diana	2030	\$1,314,714	\$1,538,029	\$0	\$0	\$1,538,029	Sun Metro	2021
0924-06-572	T096X	Alameda RTS 3rd year Operating Assistance	3rd year of Alameda RTS operations	Downtown terminal - Santa Fe	Mission Valley Terminal - Alameda @ Zaragoza	2030	\$1,956,255	\$2,288,542	\$0	\$0	\$2,288,542	Sun Metro	2021
0924-06-575	T097X	Montana RTS 2nd year Operating Assistance	2nd year of Montana RTS operations	Downtown terminal - Santa Fe	Far East Terminal - RC Poe & Edgemere	2030	\$1,300,000	\$1,300,000	\$0	\$0	\$1,300,000	Sun Metro-Transit	2023

\$431,361,605

Transit Financial Summary
El Paso MPO - TXDOT District 24
FY 2019 - 2023 Transportation Improvement Program

All Figures in Year of Expenditure (YOE) Dollars

Tuesday, April 14, 2020

Transit Program		FY 2019			FY 2020			FY 2021		
		Federal	Match	Total	Federal	Match	Total	Federal	Match	Total
1	Sec. 5307 - Urbanized Formula >200K	\$13,501,850	\$3,375,463	\$16,877,313	\$13,475,267	\$3,368,818	\$16,844,085	\$13,610,012	\$3,402,502	\$17,012,514
2	Sec. 5307 - Urbanized Formula <200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Sec. 5309 - Fixed Guideway Investment	\$1,440,000	\$360,000	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0
4	Sec. 5337 - State of Good Repair	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Sec. 5339 - Bus & Bus Facilities >200K	\$1,729,811	\$432,452	\$2,162,263	\$3,397,093	\$849,273	\$4,246,366	\$2,429,287	\$607,322	\$3,036,609
6	Sec. 5310 - Seniors & People w/Disabilities >200K	\$1,246,762	\$59,150	\$1,305,912	\$1,267,370	\$60,353	\$1,327,723	\$650,000	\$0	\$650,000
7	Sec. 5316 - JARC >200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Sec. 5317 - New Freedom >200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Other FTA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Regionally Significant or Other (incl FHWA transfers)	\$2,400,000	\$600,000	\$3,000,000	\$2,400,000	\$600,000	\$3,000,000	\$1,823,774	\$2,002,797	\$3,826,571
Total Funds		\$20,318,423	\$4,827,066	\$25,145,488	\$20,539,730	\$4,878,445	\$25,418,174	\$18,513,073	\$6,012,621	\$24,525,694
Transportation Development Credits										
Requested										
Awarded										

All Figures in Year of Expenditure (YOE) Dollars

Transit Program		FY 2022			TOTAL		
		Federal	State/Other	Total	Federal	State/Other	Total
1	Sec. 5307 - Urbanized Formula >200K	\$13,586,607	\$3,396,652	\$16,983,259	\$54,173,736	\$13,543,435	\$67,717,171
2	Sec. 5307 - Urbanized Formula <200K	\$0	\$0	\$0	\$0	\$0	\$0
3	Sec. 5309 - Fixed Guideway Investment	\$0	\$0	\$0	\$1,440,000	\$360,000	\$1,800,000
4	Sec. 5337 - State of Good Repair	\$0	\$0	\$0	\$0	\$0	\$0
5	Sec. 5339 - Bus & Bus Facilities >200K	\$2,475,120	\$618,780	\$3,093,900	\$10,031,311	\$2,507,828	\$12,539,138
6	Sec. 5310 - Seniors & People w/Disabilities >200K	\$650,000	\$0	\$650,000	\$3,814,132	\$119,504	\$3,933,635
7	Sec. 5316 - JARC >200K	\$0	\$0	\$0	\$0	\$0	\$0
8	Sec. 5317 - New Freedom >200K	\$0	\$0	\$0	\$0	\$0	\$0
9	Other FTA	\$0	\$0	\$0	\$0	\$0	\$0
10	Regionally Significant or Other (incl FHWA transfers)	\$1,534,074	\$383,518	\$1,917,592	\$8,157,848	\$3,586,315	\$11,744,163
Total Funds		\$18,245,801	\$4,398,950	\$22,644,751	\$77,617,026	\$20,117,081	\$97,734,108
Transportation Development Credits							
Requested							
Awarded							



The Moving Ahead for Progress (MAP-21) federal transportation bill instituted performance measurement to provide greater accountability and transparency to achieve the most efficient and effective investment of transportation resources. Performance measurement requirements were refined in the Fixing America's Surface Transportation (FAST) Act. State DOTs and Metropolitan Planning Organizations (MPOs) are required to move towards a performance-based planning process with an emphasis on project selection based on specific planning factors.

Under Map-21, States are required to set annual safety performance targets (PM1). The annual measures States set targets for include:

1. Number of Fatalities,
2. Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT),
3. Number of Serious Injuries,
4. Rate of Serious Injuries per 100 million VMT, and
5. Number of Non- Motorized Fatalities and Non-Motorized Serious Injuries

The Texas Department of Transportation (TXDOT) established their statewide targets. Once the state set their safety targets, MPOs were required to either adopt the state's targets or set their own that would help achieve the statewide target. The El Paso MPO chose to adopt the state's targets. These statewide targets are:

TXDOT:

- Total Traffic Fatalities Per Calendar Year: 3,840
- Rate of Traffic Fatalities Per 100M VMT: 1.406
- Number of Serious Injuries: 17,394
- Rate of Serious Injuries Per 100M VMT: 6.286
- Number of Non-Motorized Fatalities and Serious Injuries: 2,285

Here are how the projects will assist in achieving the PM1 Target for Texas:

- Projects expected to achieve reduction in traffic fatalities and serious injuries for all modes of transportation;
- Projects expected to reduce severe traffic crashes;
- Projects are addressing the pedestrian/bicycle serious injury and fatality performance target by providing multimodal accommodations that currently do not exist;

Under Map-21, States are required to set four-year Pavement and Bridge (PM2) and Freight and Air Quality (PM3) performance targets.

The four-year measures for PM2 include:

1. Percentage of Interstate pavements in Good condition,
2. Percentage of Interstate pavements in Poor condition,
3. Percentage of non-Interstate NHS pavements in Good condition,
4. Percentage of non-Interstate NHS pavements in Poor condition,
5. Percentage of NHS by deck area classified as in Good condition, and
6. Percentage of NHS by deck area classified as in Poor condition

The four-year measures for PM3 include:

1. National Highway System Travel Time Reliability Measures:
 - a. Interstate Reliability
 - b. Non-Interstate Reliability,
2. Freight Reliability Measure:
 - a. Truck Travel Time Reliability, and
3. Congestion Mitigation and Air Quality (CMAQ):
 - a. Total Emission Reduction Measure

The Texas Department of Transportation (TXDOT) established their statewide targets. Once the state set their PM2 and PM3 targets, MPOs were required to either adopt the state's targets or set their own that would help achieve the statewide target. The El Paso MPO chose to adopt the state's targets. These statewide targets are:

TXDOT PM2:

Performance Measure	2022 Target
Pavement on IH	
% in "good" condition	66.4%
% in "poor" condition	0.3%
Pavement on non-IH NHS	
% in "good" condition	52.3%
% in "poor" condition	14.3%
NHS Bridge Deck Condition	
% in "poor" condition	0.80%
% in "good" condition	50.42%

Here are how the projects will assist in achieving the PM2 Target for Texas:

- CoEP is reconstructing and rehabilitating the pavement on 6 downtown streets through our CBD IV project.
- County of El Paso is providing new pavement (concrete), base and sub-base. The current roadway condition of the non-interstate on the NHS is poor for its Pellicano Widening project; and
- John Hayes Design Phase will be (for the future construction phase) providing new pavement (concrete/HMAC), base and sub-base. No pavement exists, this will be a new roadway. There is no current roadway condition of the non-interstate on the NHS.
- TxDOT El Paso District's projects help by widening of main lanes at I-10, Loop 375, US 62/180 (Montana Ave.), and construction of frontage roads on LP 375 and US 62/180 (Montana Ave.); and additional bridge structure ramps at I-10 Connect and at Spur 601/Loop 375 Interchange. Improving pavement and bridge conditions.

TXDOT PM3:

Performance Measure	2022 Target
NHS Travel Time Reliability	
IH Level of Travel Time Reliability	56.6%
Non-IH Level of Travel Time Reliability	55.4%
Performance Measure	2022 Target
Truck Travel Time Reliability	1.79
Performance Measure	2022 Target
Total Emission Reduction	
El Paso CO	891.11
PM 10	13.71

Here are how the projects will assist in achieving the PM3 Target for Texas:

- Sun Metro’s operating assistance projects are assisting the PM3 Target “Total Emission Reduction” by bus procurements and engine rebuilds and providing reliable transit service that reduces congestion and enhances air quality through the use of an alternative fuel-CNG.
- CoEP is improving bicycle facilities citywide through four bicycle connectivity and infrastructure projects and improving transit facilities with the Montana RTS project. These projects will address CMAQ Total Emission Reduction by providing a viable alternative to automobile travel;
- Improving pedestrian facilities through our Montana RTS Pedestrian Enhancement project and Chamizal Pedestrian Enhancement Phase I and Phase II projects. Providing accessible and well-connected pedestrian routes allows people to walk instead of drive and thus reduces emissions; and
- Reducing emissions through the installation of a roundabout at the Paso del Norte Port of Entry.
- County of El Paso is providing additional lanes to reduce traffic congestion, reduce emissions by providing multi-model options and reduce truck travel time by providing additional lanes and protected lanes/deceleration lanes; and
- John Hayes Design Phase will be (for the future construction phase) providing a new roadway connection to Pellicano as an alternative roadway to Loop 375 and Zaragoza by the addition of 6 new lanes to reduce traffic congestion, reduce emissions by providing multi-model options and reduce truck travel time by providing additional lanes and protected lanes/ deceleration lanes.
- TxDOT El Paso District’s projects help achieve the PM3 targets by improving safety, mobility, connectivity, reliability, and reducing emissions at our main corridors of I-10, Loop 375, US 62/180, and US 54 (I-10 Connect), specifically on freight routes connecting to the Ports of Entry and along I-10 and Loop 375. Air quality will also be addressed with operational improvement projects along US 62/180.

As part of the FAST Act, performance measures were incorporated for transit agencies, primarily through the Transit Asset Management (TAM) assessment and planning requirements. Sun Metro's TAM plan was developed to meet that requirement. Sun Metro continuously seeks grants through the regional MPO in order to supplement the competitive and formula funding grants available from the FTA. Primarily Sun Metro applies for FHWA Congestion Mitigation and Air Quality (CMAQ) and Surface Transportation Program (STP) funding through the MPO. Funding from these grants are crucial to the agency's State of Good Repair (SGR) program and the resulting Transit Asset Management Plan (TAM). CMAQ funds provide for new and replacement bus funding, to include vehicles needed for new and extended services. Funding also allows for new or enhancements of terminals and stops to include accessibility and passenger amenities if associated with new or extended services. STP provides similar funding but without the new or extended service requirements. This grant funding not only permits Sun Metro to provide efficient and dependable service but supplements funding from other sources necessary to maintain SGR standards. In FY2019 CMAQ, the federal funding portion obtained through the regional MPO, will total approximately \$5.5M for operating assistance (Dyer and Alameda BRT's and Streetcar services) plus replacement funding for three buses. As of October 2018 Sun Metro had been awarded approximately \$7.1M of funds for new revenue vehicles that were unspent or pending, including grants obtained through the CMAQ program and other grant programs.



PERFORMANCE BASED PLANNING AND PROGRAMMING

APPENDIX D: PERFORMANCE BASED PLANNING AND PROGRAMMING

Measuring and tracking the performance of the region's transportation system is a fundamental component of the Metropolitan Transportation Plan (MTP) and the performance-based planning process. Federal legislation passed in 2012 introduced a new requirement to incorporate a performance-based approach into the transportation planning process. The legislation, the Moving Ahead for Progress in the 21st Century Act, known as MAP-21, requires state Departments of Transportation (DOT), Metropolitan Planning Organizations (MPO), and transit authorities to set coordinated targets, report on a required set of performance measures, and prioritize projects using a coordinated performance-based planning process. These performance requirements were continued and reinforced by the Fixing America's Surface Transportation (FAST) Act, which was signed into law in 2015. Four Transportation Performance Management final rules have been released by the Federal Highway Administration and the Federal Transit Administration, passed through standard rulemaking procedure, and are now effective. Each final rule lists required measures, data sources, and calculation procedures.

The final rules include:

- Highway Safety Improvement Program, known as PM1
- Assessing Pavement Condition for the National Highway Performance Program and Bridge Condition for the National Highway Performance Program, known as PM2
- Assessing Performance of the National Highway System, Freight Movement on the Interstate System, and Congestion Mitigation and Air Quality Improvement Program (CMAQ), known as PM3
- Transit Asset Management

Federal performance measure final rules establish deadlines for target setting and reporting for each of the required performance measures. For the measures identified in each final rule, MPOs are required to include adopted targets, baseline performance measures, and progress toward the targets in the Destino 2045 MTP adopted two years after the effective date of the final rule. The four performance measure final rules currently effective were established at different times, and therefore have different target-setting and implementation deadlines, as seen below:

Final Rule	Rule Effective Date	Target Setting Deadlines			Required to be Included in MTPs
		Provider	State DOT	MPO	
Safety (PM1)	4/14/2016	N/A	8/31/2017	2/16/2018	5/27/2018
Pavement and Bridge Condition (PM2)	5/20/2017	N/A	5/20/2018	11/16/2018	5/20/2019
System Performance/Freight/CMAQ (PM3)	5/20/2017	N/A	5/20/2018	11/16/2018	5/20/2019
Transit Asset Management	10/01/2016	1/01/2017	10/01/2017	9/21/2018	10/01/2018

*Safety (PM1) is updated yearly

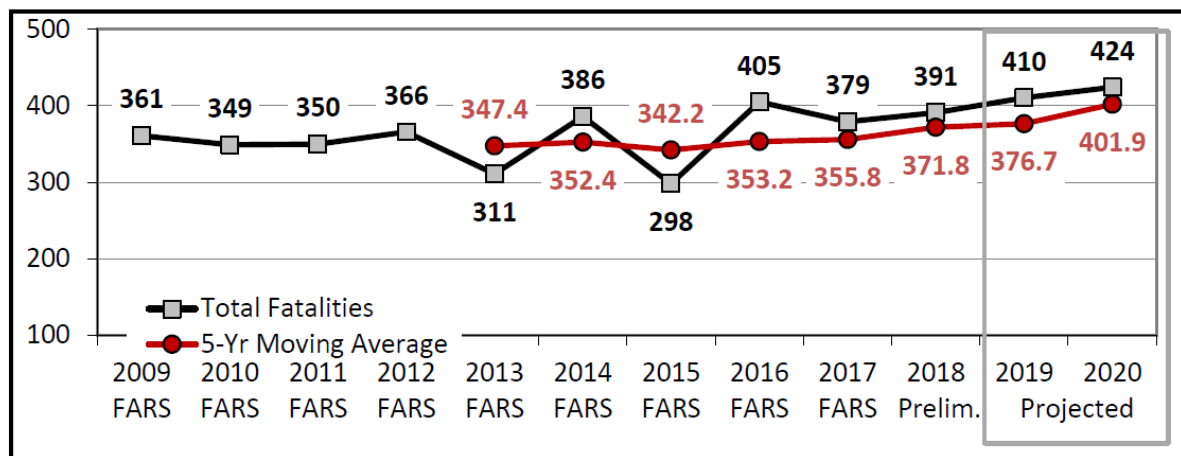
Safety (PM1):

On January 24, 2020 the El Paso MPO adopted the State of Texas Department of Transportation (TXDOT) and New Mexico Department of Transportation (NMDOT) targets for 5 Safety Performance measures based on five-year rolling averages for:

1. Number of Fatalities,
2. Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT),
3. Number of Serious Injuries,
4. Rate of Serious Injuries per 100 million VMT, and
5. Number of Non- Motorized Fatalities and Non-Motorized Serious Injuries

NMDOT PM 1 (Safety) 2020 Targets

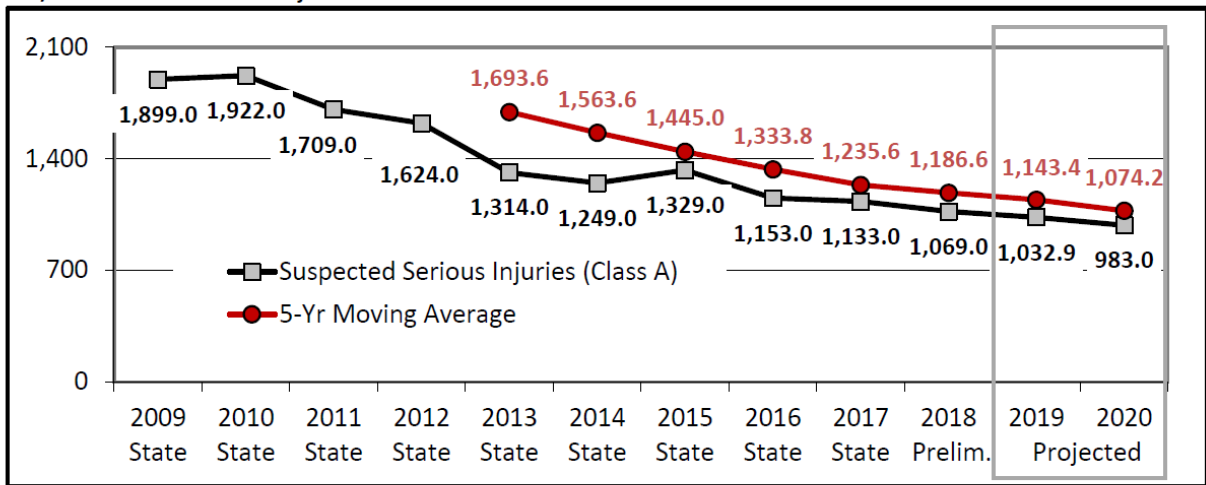
1) Number of Total Fatalities



NMDOT 2020 Target for Number of Total Fatalities: 401.9

NMDOT Justification: Although five-year average fatalities rose by a moderate 2.4 percent between 2013 and 2017, preliminary and projected data indicate that fatalities will increase by about 13 percent between 2017 and 2020. Fatalities involving SUVs, pickup trucks and pedestrians are increasing and in 2018, accounted for 51.4 percent of all crash fatalities. Given the prevalence of SUV and pickup truck ownership, and projected increase in fatalities overall, the five-year average projection of 401.9 is determined to be the 2020 target.

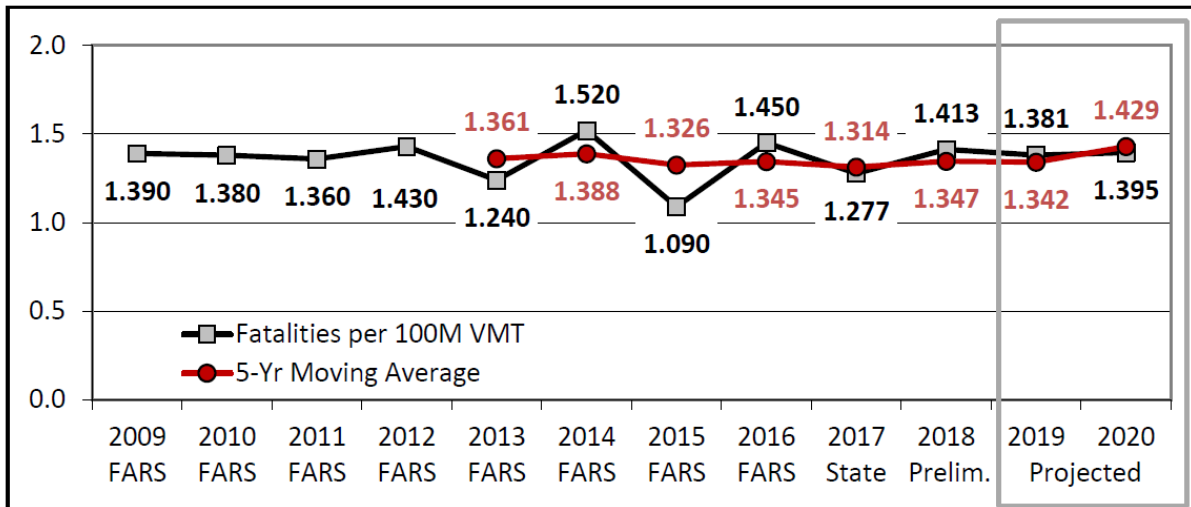
2) Number of Serious Injuries



NMDOT 2020 Target for Number of Serious Injuries: 1,074.2

NMDOT Justification: Five-year average serious injuries are projected to fall by about 7.5 percent between 2017 and 2019, and the State anticipates a continued reduction in serious injuries in 2020. The five-year average projection of 1,074.2 is the 2020 target.

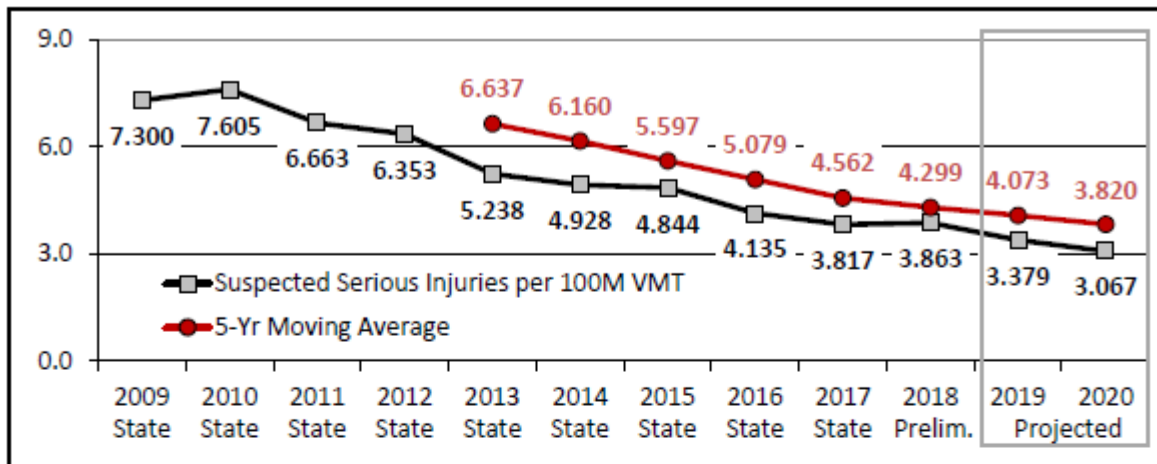
3) Rate of Fatalities



NMDOT 2020 Target for Rate of Fatalities: 1.429

NMDOT Justification: Although five-year average fatalities are expected to increase in 2020 from 2017, VMT is also expected to rise, thus the projected five-year average of 1.429 is the 2020 target.

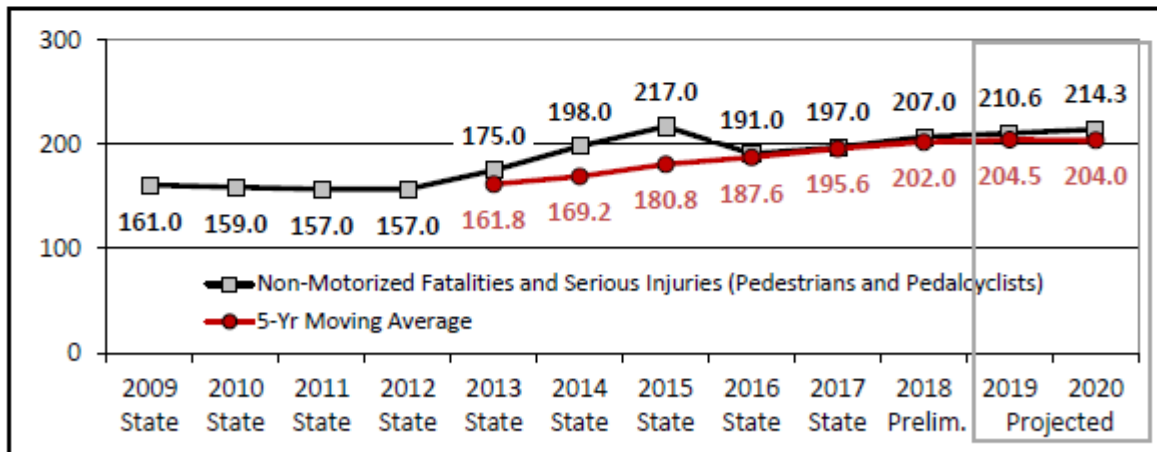
4) Rate of Serious Injuries



NMDOT 2020 Target for Rate of Serious Injuries: 3.820

NMDOT Justification: Justification: Five-year average serious injury rates are projected to continue falling, thus the five-year average projection of 3.820 is the 2020 target.

5) Number of Non-motorized Fatalities and Serious Injuries



NMDOT 2020 Target for Number of Non-motorized Fatalities and Serious Injuries: 204.0

NMDOT Justification: Five-year average non-motorized fatalities and serious injuries are projected to rise by about 5 percent over the next three years. The five-year average projection of 204.0 is the 2020 target.

TXDOT (PM1) TARGETS:

Target: Total number of traffic fatalities

2020 Target: To decrease the expected rise of fatalities to not more than a five-year average of 3,840 fatalities in 2020. The 2020 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2016	3,797	FARS
2017	3,722	ARF
2018	3,631	CRIS
2019	3,980	Target
2020	4,068	Target
2020 Target expressed as 5-year average		3,840

As noted in the table above, the calendar year target for 2020 would be 4,068 fatalities.

Target: Total number of serious injuries

2020 Target: To decrease the expected rise of serious injuries to not more than a five-year average of 17,533 serious injuries in 2020. The 2020 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2016	17,573	CRIS
2017	17,535	CRIS
2018	14,892	CRIS
2019	18,367	Target
2020	18,602	Target
2020 Target expressed as 5-year average		17,394

As noted in the table above, the calendar year target for 2020 would be 18,602 serious injuries.

Target: Fatalities per 100 million vehicle miles traveled

2020 Target: To decrease the expected rise of fatalities per 100 MVMT to not more than a five-year average of 1.406 fatalities per 100 MVMT in 2020. The 2020 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2016	1.40	FARS
2017	1.37	ARF
2018	1.31	CRIS
2019	1.47	Target
2020	1.48	Target
2020 Target expressed as 5-year average		1.406

As noted in the table above, the calendar year target for 2020 would be 1.48 fatalities per 100 MVMT.

Target: Serious Injuries per 100 million vehicle miles traveled

2020 Target: To decrease the serious injuries per 100 MVMT to not more than a five-year average of 6.286 serious injuries per 100 MVMT in 2020. The 2020 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2016	6.48	CRIS
2017	6.42	CRIS
2018	5.37	CRIS
2019	6.60	Target
2020	6.56	Target
2020 Target expressed as 5-year average		6.286

As noted in the table above, the calendar year target for 2020 would be 6.56 serious injuries per 100 MVMT.

**Target: Total number of non-motorized fatalities and serious injuries**

2020 Target: To decrease the expected rise of non-motorized fatalities and serious injuries to not more than a five year average of 2,285.0 non-motorized fatalities and serious injuries in 2020. The 2020 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2016	2,304	FARS-CRIS
2017	2,146	ARF-CRIS
2018	2,104	CRIS
2019	2,394	Target
2020	2,477	Target
2020 Target expressed as 5-year average		2,285.0

As noted in the table above, the calendar year target for 2020 would be 2,477 non-motorized fatalities and serious injuries.

Pavement and Bridge (PM2):

On November 16, 2018 the El Paso MPO adopted the State of Texas Department of Transportation (TXDOT) and New Mexico Department of Transportation (NMDOT) targets for six Pavement and Bridge Performance measures:

1. Percentage of Interstate pavements in Good condition,
2. Percentage of Interstate pavements in Poor condition,
3. Percentage of non-Interstate NHS pavements in Good condition,
4. Percentage of non-Interstate NHS pavements in Poor condition,
5. Percentage of NHS by deck area classified as in Good condition, and
6. Percentage of NHS by deck area classified as in Poor condition

NMDOT PM2:

Performance Measure	4 Year (2021)
Percentage of bridges on the NHS in Good condition	30.0%
Percentage of bridges on the NHS in Poor condition	2.5%
Percentage of Interstate pavements on the NHS in Good condition	59.1%
Percentage of Interstate pavements on the NHS in Poor condition	5.0%
Percentage of Non-Interstate pavements on the NHS in Good condition	34.2%
Percentage of Non-Interstate pavements on the NHS in Poor condition	12.0%

TXDOT PM2:

Performance Measure	2022 Target
Pavement on IH	
% in "good" condition	66.4%
% in "poor" condition	0.3%
Pavement on non-IH NHS	
% in "good" condition	52.3%
% in "poor" condition	14.3%
NHS Bridge Deck Condition	
% in "poor" condition	0.80%
% in "good" condition	50.42%

Freight and Air Quality (PM3):

On November 16, 2018 the El Paso MPO adopted the State of Texas Department of Transportation (TXDOT) and New Mexico Department of Transportation (NMDOT) targets for the following Freight and Air Quality measures:

1. National Highway System Travel Time Reliability Measures:
 - a. Interstate Reliability
 - b. Non-Interstate Reliability,
2. Freight Reliability Measure:
 - a. Truck Travel Time Reliability, and
3. Congestion Mitigation and Air Quality (CMAQ):
 - a. Total Emission Reduction Measure

NMDOT PM3:

Performance Measure	2021 Target
NHS Travel Time Reliability	
IH Level of Travel Time Reliability	95.1%
Non-IH Level of Travel Time Reliability	90.4%
Performance Measure	2021 Target
Truck Travel Time Reliability	1.15
Performance Measure	2021 Target
Total Emission Reduction	
New Mexico PM 10	1.79 kg/day

Performance Measure	2022 Target
NHS Travel Time Reliability	
IH Level of Travel Time Reliability	56.6%
Non-IH Level of Travel Time Reliability	55.4%
Performance Measure	2022 Target
Truck Travel Time Reliability	1.79
Performance Measure	2022 Target
Total Emission Reduction	
El Paso CO	891.11
PM 10	13.71

Transit Asset Management (TAM):

On September 21, 2018 the Transportation Policy Board approved two new MPO Planning Memorandums of Understanding (MOU), one for Texas and one for New Mexico. The MOU's outline the roles and responsibilities of the states, the MPO, and the mass transit provider, Sun Metro, in carrying out the metropolitan transportation planning process and associated performance measures. Based on the federal performance measure final rule on Transit Asset Management (TAM) issued in July 2016, MPOs are required to coordinate with transit providers to set performance targets and integrate individual transit providers' performance targets and TAM plans into planning documents. El Paso MPO reached out to the transit providers in the region to include Sun Metro the mass transit provider for the region and requested targets. The El Paso MPO Transportation Project Advisory Committee (TPAC) reviewed Sun Metro targets, the state of Texas, and the state of New Mexico targets and recommended that the El Paso MPO Transportation Policy Board (TPB) adopt the state of Texas' targets, as the targets for the El Paso MPO. Sun Metro may have agency-level targets that differ from the El Paso MPO adopted targets. These agency-level targets may better meet their needs in planning for state of good repair for Sun Metro. EPMPO will continue to coordinate with Sun Metro to report, track, and adjust the targets over time to meet the El Paso MPO targets.

El Paso MPO TAM 4 year targets

Performance Measure	Baseline	2020 Target	2022 Target
Transit Asset Management			
% revenue vehicles at or exceeding useful life benchmark			<15%
% service vehicles (non-revenue) at or exceeding useful life benchmark			<15%
% facilities rated below 3 on condition scale (TERM)			<15%
% track segments with performance restrictions			N/A

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