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Executive Director

3/14/2022

Mr. Trent Doolittle, P.E.
District Engineer
NMDOT District 1
2912 E. Pine Street
Deming, NM 88030

Revision to the 2021-2024 Destino Transportation Improvement Program (TIP) for inclusion in the 2022-2025 Statewide Transportation Improvement Program (STIP) through the March Amendment

Dear Mr. Doolittle:

Enclosed is the TIP page for inclusion into the 2022-2025 STIP, Destino 2045 MTP and the Destino 2021-2024 TIP. The Transportation Policy Board (TPB) approved the amendments to the Amended Destino 2045 MTP and Destino 2021-2024 TIP at their January 21, 2022 meeting.

Highway Projects:

1. Move the NM 213 Widening Project (CN: E100321/MPO ID: P621X-CAP) from FY 2023 to FY 2026 and deprogram from the Destino 2021-2024 TIP

The Transportation Project Advisory Committee (TPAC) meeting and the Transportation Policy Board (TPB) meetings were used as open forums for the MPO public involvement process and these meetings were advertised in local newspapers.

Sincerely,

Eduardo Calvo, AICP
Executive Director

Enclosures

cc: Jolene Herrera, NMDOT
Liliana Arevalo, NMDOT

EL PASO MPO
2022-2025 NEW MEXICO STATE TRANSPORTATION IMPROVEMENT PROGRAM
EL PASO TX NMDOT DISTRICT 1 PROJECTS

DISTRICT	COUNTY	CSJ/CN	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
NM DIST. 1	DA	E100321	NM 213	C	Dona Ana County	NMDOT	\$9,000,000
TIP PROJECT NAME: NM 213 Widening Project					REVISION DATE:	03/2022	
LIMITS FROM:	Intersection with NM 404 (MP 0)				MPO PROJECT ID:	P621X-CAP	
LIMITS TO:	TX State Line (MP 3)				MTP REFERENCE:	P621X-CAP	
TIP DESCRIPTION:	Widen NM 213 from 2 to 4 lanes				FUNDING CATEGORY:	NHPP, SBSI	
REMARKS:	Amend AD2045 MTP, D21-25 TIP, 22-25 STIP to move from FY 2023 to FY 2026						

PROJECT HISTORY:
Program in to Amended D2045 MTP, D21-24, TIP, 20-23 STIP, in FY 2023

Total Project Cost Information:			Authorized Funding by Category/Share						
Preliminary Engineering:	\$0	Cost of Approved Phases: \$9,000,000							
Right Of Way:	\$0								
Construction:	\$9,000,000								
Construction Engineering:	\$0								
Contingencies:	\$0								
Indirects:	\$0								
Bond Financing:	\$0								
Potential Change Order:	\$0								
Total Project Cost:	\$9,000,000								

			Federal Share	State Share	Regional Share	Local Share	Lcl Contribution	Total Share
Cat	NM NHPP	NHP	\$5,368,694	\$914,890	\$0	\$0	\$0	\$6,283,584
Cat	NM State Funds	SBSI	\$2,320,906	\$395,510	\$0	\$0	\$0	\$2,716,416
Fund by Share			\$7,689,600	\$1,310,400	\$0	\$0	\$0	\$9,000,000

AMENDMENT HISTORY

History STIP Rev Date	History FY	History Date	History Note/Amendment
08/2019	2023	07/2019	Program D2045 MTP, D19-22 TIP, 20-23 STIP, in FY 2023
07/2020	2023	05/2020	Program in to Amended D2045 MTP, D21-24, TIP, 20-23 STIP, in FY 2023
03/2022	2026	01/2022	Amend AD2045 MTP, D21-25 TIP, 22-25 STIP to move from FY 2023 to FY 2026

Destino 2045 MTP Project List
New Mexico Highway and Roadway Projects (NM funds)

CN	Project ID	Project Name	Project Description	From	To	Network	Current Const. Cost / 2019-2045 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)
E100221	M638X-B	4th Street Roadway Improvements	Sidewalk, paved asphalt bike lanes, and ADA wheelchair ramps and driveways	Approximately 140 Linear feet (0.03 mi) south of Livesay Street	NM 404 (Ohara Road)	2020	\$2,256,165	\$2,256,165	\$0	\$0	\$2,256,165	Anthony, NM	2019
E100290	E602B	Lisa Drive Connectivity Project (LDGP)	Combined multi-purpose path and stormwater management facility	Lisa Drive at McCombs Rd., project located North and parallel to Lisa Dr.	Lisa Drive at Lisa Retention Pond, project located North and parallel to Lisa Dr.	2020	\$65,172	\$65,172	\$0	\$0	\$65,172	Dona Ana County	2019
E100200	M644X	NM 404 Phase C/D and Phase II FY2019 Funding	Phase C/D (environmental and preliminary design) and Phase II (final design) for the NM 404 projects to include: NM 404/I-10 Bridge Replacement, Super 2 project, and 4 lane project	I-10/NM 404 Intersection	NM 404/NM 213 Intersection	2020	\$0	\$0	\$1,480,000	\$0	\$1,480,000	NMDOT	2019
E100202	B607X	NM 404/I-10 Bridge Replacement	Bridge Replacement at NM 404/ I-10 Interchange	At I-10 & NM 404 Interchange		2030	\$19,091,351	\$19,091,351	\$0	\$0	\$19,091,351	NMDOT	2021
E100320	M642X-PE	NM 213 Widening Preliminary Engineering Phase	Alignment Study and Preliminary Engineering Phase for NM 213	Intersection with NM 404 (MP 0)	TX State Line (MP 3)	2020	\$0	\$0	\$1,200,000	\$0	\$1,200,000	NMDOT	2020
E100203	P620X-CAP	NM 404 Widening Project	Widen NM 404 from I-10 to NM 213 from 2 lanes to 4 lanes	NM 404: I-10	NM 404: NM 213 Intersection	2030	\$42,500,000	\$42,500,000	\$0	\$2,258,000	\$44,758,000	NMDOT	2022
E100321	P621X-CAP	NM 213 Widening Project	Widen NM 213 from 2 to 4 lanes	Intersection with NM 404 (MP 0)	TX State Line (MP 3)	2030	\$9,000,000	\$9,000,000	\$0	\$0	\$9,000,000	NMDOT	2026
E100330	E607X	Airport Road Sidewalk Project	A sidewalk parallel to Airport road, along the south and west boundary of the roadway, within existing road ROW. This sidewalk project connects existing driveways, ADA ramps and other existing infrastructure improvements along Airport Road. This project will acquire two hybrid-electric buses to support the operation of transit service that currently operates as Sun Metro Route 83.	Airport Road at Industrial Avenue Intersection, south of roadway	Airport Road at Constellation Drive, southwest of roadway	2030	\$342,026	\$342,026	\$0	\$0	\$342,026	Dona Ana County	2020
E100430	T610X	South Central Regional Transit District (SCRTD) Bus Acquisition		Citywide	Citywide	2020	\$1,370,000	\$1,370,000	\$0	\$0	\$1,370,000	SCRTD	2020
E100360	M644A	Rio Grande Trail Phase I	12-ft wide paved multi-purpose levee trail (PE Phase)	Racetrack Drive	1,450-ft west of Sunland Park Drive	2030	\$560,017	\$0	\$109,500	\$0	\$109,500	Sunland Park	2021
E100360	M644B	Rio Grande Trail Phase II	12-ft wide paved multi-purpose levee trail	Racetrack Drive	1,450-ft west of Sunland Park Drive	2030	\$560,017	\$560,017	\$0	\$0	\$560,017	Sunland Park	2022
E100370	X601-PE	Industrial Avenue Grade Separation	Preliminary engineering on Industrial Avenue for grade separation over UPRR	Industrial Avenue		2030	\$0	\$0	\$1,650,000	\$0	\$1,650,000	Dona Ana County	2021

EL PASO MPO - New Mexico District 1 & 2
2022-2025 NM State Transportation Improvement Program
Destino 2021-2024 TIP

Funding by Category

Tuesday, March 08, 2022

Description	FY 2021		FY 2022		FY 2023		FY 2024		Total FY 2021 - 2023	
	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized
CBIP (Coordinated Border Infrastructure Prog.)	\$127,909	\$127,909	\$0	\$0	\$0	\$0	\$0	\$0	\$127,909	\$127,909
City of Sunland Park, N.M.	\$66,881	\$66,881	\$177,398	\$177,398	\$0	\$0	\$0	\$0	\$244,279	\$244,279
CAQ (CMAQ Mandatory)	\$3,094,280	\$3,094,280	\$0	\$0	\$0	\$0	\$0	\$0	\$3,094,280	\$3,094,280
NHPP (National Highway Performance Program)	\$1,597,932	\$1,597,932	\$17,348,999	\$17,348,999	\$0	\$0	\$0	\$0	\$18,946,931	\$18,946,931
NHPP (National Highway Performance Program)-Freight	\$0	\$0	\$14,290,179	\$14,290,179	\$0	\$0	\$0	\$0	\$14,290,179	\$14,290,179
NM State Funds	\$9,100,000	\$9,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$9,100,000
Other (Includes CSAL)	\$3,019,770	\$3,019,770	\$3,190,000	\$3,190,000	\$0	\$0	\$0	\$0	\$6,209,770	\$6,209,770
Other State Fund	\$0	\$0	\$4,632,832	\$4,632,832	\$0	\$0	\$0	\$0	\$4,632,832	\$4,632,832
STLE (Surface Transp Prog Large Urban - Exempt)	\$240,816	\$240,816	\$240,816	\$240,816	\$0	\$0	\$0	\$0	\$481,632	\$481,632
STPF (Surface Transp Prog Flexible)	\$905,990	\$905,990	\$5,995,050	\$5,995,050	\$0	\$0	\$0	\$0	\$6,901,040	\$6,901,040
STPL (Surface Transp Prog Large Urban >200K)	\$1,004,654	\$1,004,654	\$2,250,124	\$2,250,124	\$0	\$0	\$0	\$0	\$3,254,778	\$3,254,778
TAPL (Transp. Alternative Prog Large Urban >200K)	\$42,619	\$42,619	\$42,619	\$42,619	\$0	\$0	\$0	\$0	\$85,238	\$85,238
Total	\$19,200,851	\$19,200,851	\$48,168,017	\$48,168,017	\$0	\$0	\$0	\$0	\$67,368,868	\$67,368,868

Funding Participation Source

Source	FY 2021	FY 2022	FY 2023	FY 2024	Total
Federal Participation	\$8,566,066	\$40,962,930	\$0	\$0	\$49,528,996
State Participation	\$10,561,699	\$6,691,484	\$0	\$0	\$17,253,183
Local Participation	\$6,205	\$336,205	\$0	\$0	\$342,410
Local/State Contributions	\$66,881	\$177,398	\$0	\$0	\$244,279
Total	\$19,200,851	\$48,168,017	\$0	\$0	\$67,368,868





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

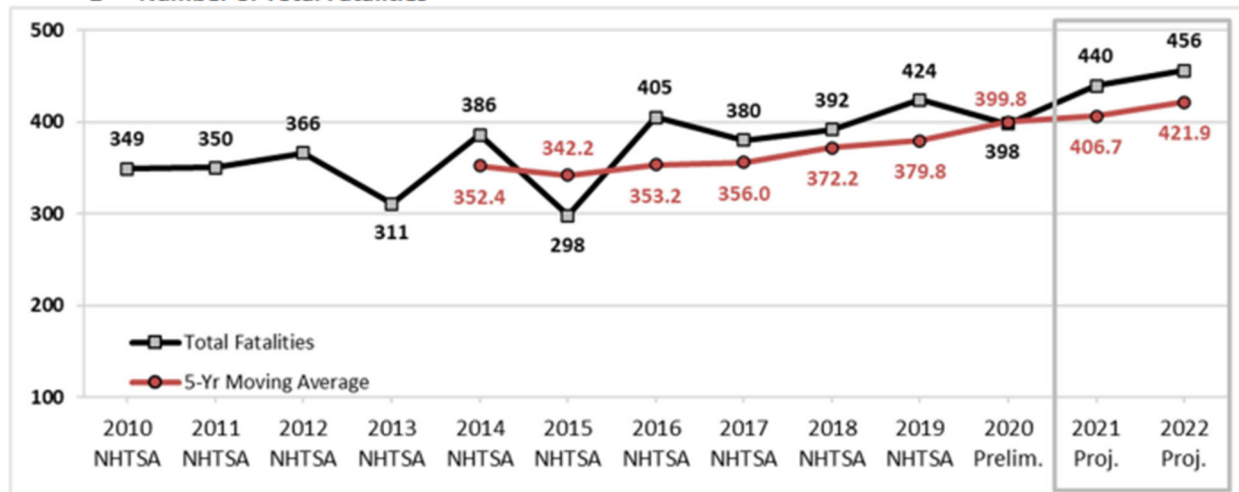
Safety (PM1):

On January 21, 2022 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) 2022 Targets

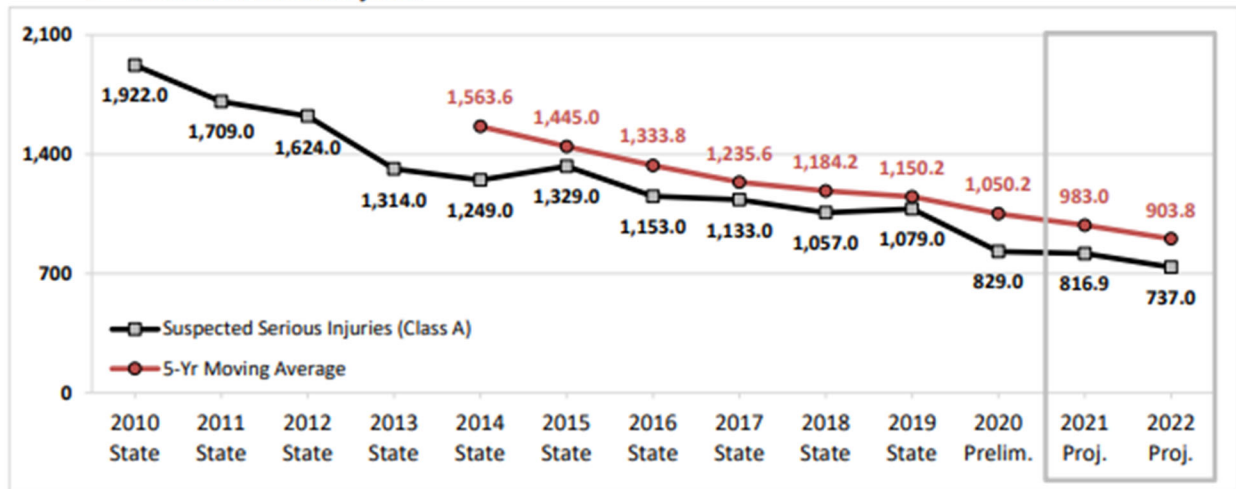
1 Number of Total Fatalities



NMDOT 2022 Target for Number of Total Fatalities: 421.9

NMDOT Justification: Although the preliminary reported number of fatalities declined 6.1 percent in 2020 from 2019. The five-year average fatalities are projected to rise 5.6 percent by 2022 compared to the preliminary reported 2020 number. Despite preliminary VMT dropping by 14.7 percent between 2019 and 2020, due to COVID-19 public health travel restrictions, fatalities only declined 6.1 percent. With fatalities projected to keep rising the five-year average projection of 421.9 is determined to be the 2022 target.

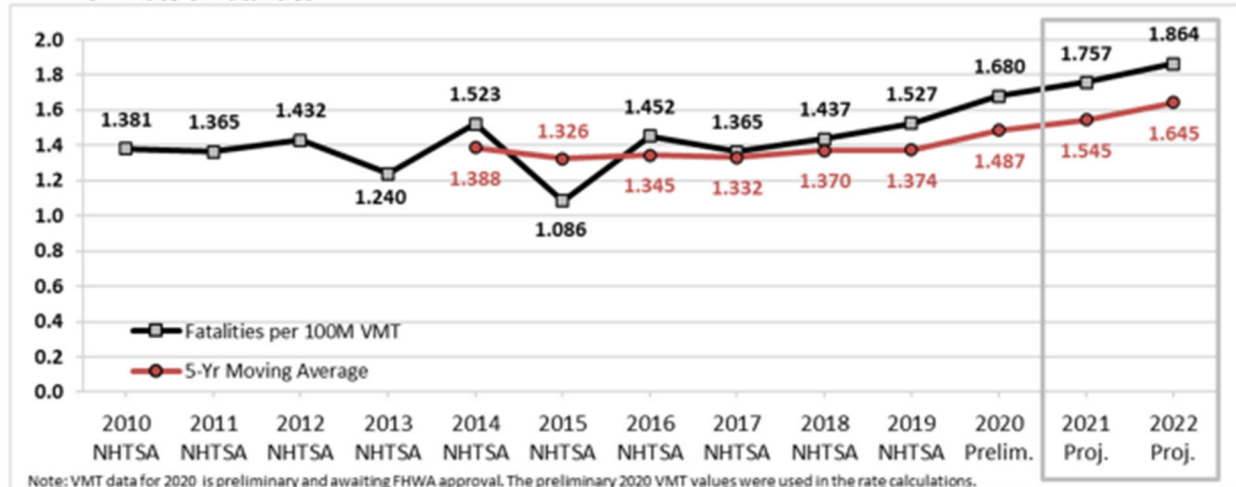
2 Number of Serious Injuries



NMDOT 2022 Target for Number of Serious Injuries: 1,030.5

NMDOT Justification: Preliminary suspected serious injury numbers show a decrease of roughly 23% from 2019 to 2020. This can partially be attributed to lower VMT in 2020, due to the COVID-19 pandemic. In order to adjust to these fluctuations, we will use the targets that were set in the summer of 2020, prior to any COVID-19 considerations and impacts.

3 Rate of Fatalities

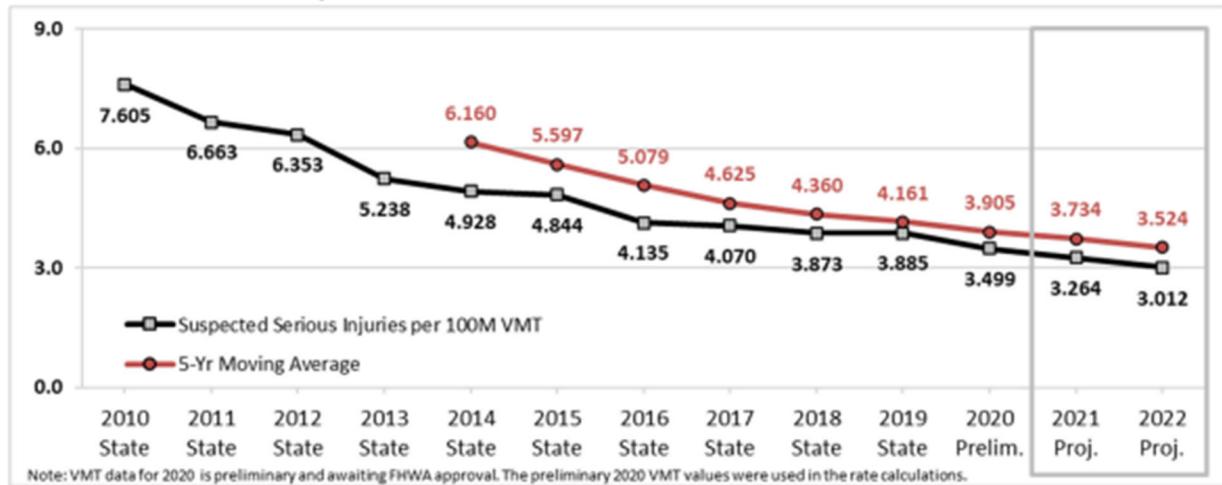


Note: VMT data for 2020 is preliminary and awaiting FHWA approval. The preliminary 2020 VMT values were used in the rate calculations.

NMDOT 2022 Target for Rate of Fatalities: 1.645

NMDOT Justification: The projected rate of fatalities for 2022 increased due to the decline in 2020 VMT and the fact the preliminary total fatalities did not show much decline. This keeps the five year moving average on a consistent trend. In fact, much as we see nationally, the five year average rate of fatalities are projected to rise in 2022, thus the projected five year moving average of 1.645 is the target.

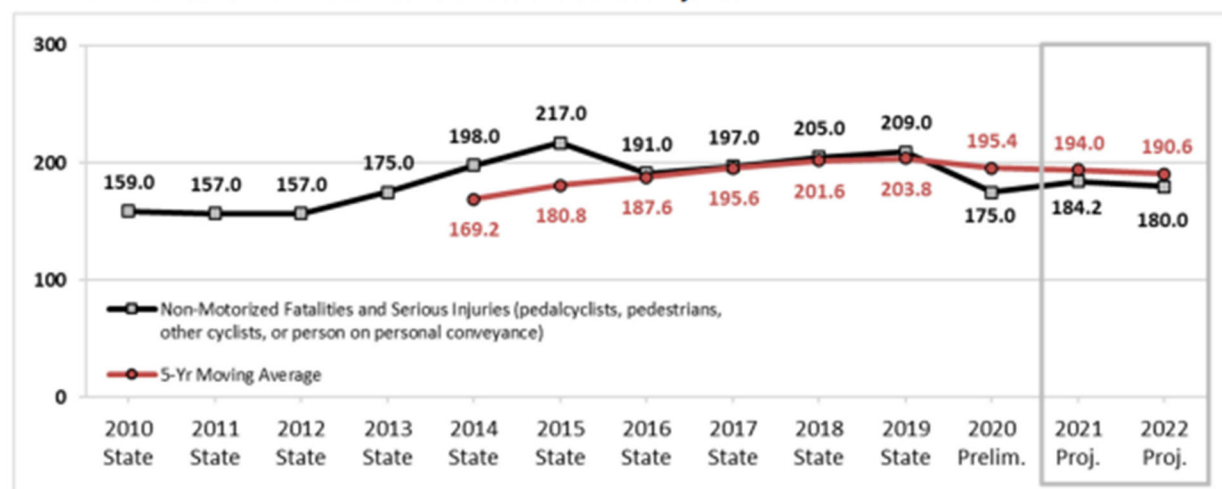
4 Rate of Serious Injuries



NMDOT 2022 Target for Rate of Serious Injuries: 3.842

NMDOT Justification: Preliminary VMT numbers show a decrease of roughly 15% from 2019 to 2020. This can partially be attributed to the COVID-19 pandemic. In order to adjust to these fluctuations, we will use the 2021 target set in the summer of 2020, prior to any COVID-19 considerations and impacts.

5 Number of Non-motorized Fatalities and Serious Injuries



NMDOT 2022 Target for Number of Non-motorized Fatalities and Serious Injuries: 190.6

NMDOT Justification: Five-year average non-motorized fatalities and serious injuries was pulled down by the 2020 reduction in the number of non-motorized fatalities and serious injuries. With the easing of public health restrictions related to Covid-19 the number the number of non-motorized fatalities and serious injuries is projected to rise. The five-year average projection of 190.6 is the 2022 target.

TXDOT (PM1) TARGETS:**Performance Targets:****Target: Total number of traffic fatalities**

2022 Target: To decrease the expected rise of fatalities to not more than a five-year average of 3,563 fatalities in 2022. The 2022 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2018	3,648	FARS
2019	3,615	ARF
2020	3,896	CRIS
2021	3,384	Target
2022	3,272	Target
2022 Target expressed as 5-year average		3,563

As noted in the table above, the calendar year target for 2022 would be 3,272 fatalities.

Target: Total number of serious injuries

2022 Target: To decrease the expected rise of serious injuries to not more than a five-year average of 16,677 serious injuries in 2022. The 2022 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2018	14,975	CRIS
2019	15,855	CRIS
2020	14,656	CRIS
2021	18,835	Target
2022	19,065	Target
2022 Target expressed as 5-year average		16,677

As noted in the table above, the calendar year target for 2022 would be 19,065 serious injuries.

Target: Fatalities per 100 million vehicle miles traveled

2022 Target: To decrease the expected rise of fatalities per 100 MVMT to not more than a five-year average of 1.27 fatalities per 100 MVMT in 2022. The 2022 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2018	1.29	FARS
2019	1.25	ARF
2020	1.33	CRIS
2021	1.24	Target
2022	1.23	Target
2022 Target expressed as 5-year average		1.27

As noted in the table above, the calendar year target for 2022 would be 1.23 fatalities per 100 MVMT.

Target: Serious Injuries per 100 million vehicle miles traveled

2022 Target: To decrease the serious injuries per 100 MVMT to not more than a five-year average of 5.76 serious injuries per 100 MVMT in 2022. The 2022 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2018	5.31	CRIS
2019	5.50	CRIS
2020	5.00	CRIS
2021	6.51	Target
2022	6.47	Target
2022 Target expressed as 5-year average		5.76

As noted in the table above, the calendar year target for 2022 would be 6.47 serious injuries per 100 MVMT.

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

2022 Target: To decrease the expected rise of non-motorized fatalities and serious injuries to not more than a five year average of 2,367 non-motorized fatalities and serious injuries in 2022. The 2022 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data	Source
2018	2,104	FARS-CRIS
2019	2,291	ARF-CRIS
2020	2,238	CRIS
2021	2,560	Target
2022	2,642	Target
2022 Target expressed as 5-year average		2,367

As noted in the table above, the calendar year target for 2022 would be 2,642 non-motorized fatalities and serious injuries.

Pavement and Bridge (PM2):

On November 16, 2018 the El Paso MPO adopted the NMDOT targets and on March 26, 2021 the El Paso MPO adopted the revised TXDOT PM 2 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 Measures	Baseline	2-Year Condition / Performance	2-Year Target	4-Year Target	4-Year Adjustment
% of Pavements of the Interstate System in Good Condition		66.6%		66.4%	65.5%
% of Pavements of the Interstate System in Poor Condition		0.1%		0.3%	0.2%
% of Pavements of the Non-Interstate NHS in Good Condition	54.5%	55.2%	52.0%	52.3%	54.1%
% of Pavements of the Non-Interstate NHS in Poor Condition	14.0%	13.5%	14.3%	14.3%	14.2%

Performance Measures	Baseline	2-Year Condition / Performance	2-Year Target	4-Year Target	4-Year Adjustment
% of NHS Bridges Classified as in Good Condition	50.7%	50.7%	50.6%	50.4%	
% of NHS Bridges Classified as in Poor Condition	0.9%	1.3%	0.8%	0.8%	1.5%

Freight and Air Quality (PM3):

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

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

Time Travel Reliability Performance Measures	Baseline	2-Year Condition / Performance	2-Year Target	4-Year Target	4-Year Adjustment
Percent of the Person-Miles Traveled on the Interstate That Are Reliable	79.5%	81.2%	61.2%	56.6%	70.0%
Percent of the Person-Miles Traveled on the Non-Interstate NHS That Are Reliable		83.0%		55.0%	70.0%

Freight Reliability Performance Measures	Baseline	2-Year Condition / Performance	2-Year Target	4-Year Target	4-Year Adjustment
Truck Travel Time Reliability (TTTR) Index	1.40	1.44	1.70	1.79	1.76

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

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.

Public Transportation Agency Safety Plan (PTASP):

On September 18, 2020 the El Paso MPO adopted the mass transit provider Sun Metro's PTASP. Sun Metro developed their PTASP in compliance with the requirements on 49 CFR 673.11(a) (1-6). The performance measures adopted in this PTASP for fix route, streetcar and paratransit per every 100,000 miles are for:

- Fatalities
- Injuries
- Safety Events
 - Accidents
 - Incidents
 - Occurrences
- System Reliability

Performance Measures – Fix Route Per every 100,000 miles		Fiscal Year			
		2019	2020	2021	2022
FATALITIES		0	0	0	0
INJURIES		50	45	40	35
SAFETY EVENTS	Accidents	178	50	45	45
	Incidents		78	70	65
	Occurrences		50	45	45
SYSTEM RELIABILITY (Mean Distance Between Failures)		82864 Miles	90,000 Miles	95000 Miles	100,000 Miles

Performance Measures – Streetcar Per every 100,000 miles		Fiscal Year			
		2019	2020	2021	2022
INJURIES		9	7	6	5
SAFETY EVENTS	Accidents	2	1	1	0
	Incidents	9	7	6	5
	Occurrences	9	7	6	5
SYSTEM RELIABILITY (Mean Distance Between Failures)		2879 hrs.	2900 hrs.	2950 hrs.	3000 hrs.

Performance Measures – Paratransit Per every 100,000 miles		Fiscal Year			
		2019	2020	2021	2022
INJURIES		8	8	6	5
SAFETY EVENTS	Accidents	20	17	15	12
	Incidents	25	22	19	15
	Occurrences	32	25	23	20
SYSTEM RELIABILITY (Mean Distance Between Failures)		87019 miles	88000 miles	90,000 miles	91,000 miles

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. 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 New Mexico Department of Transportation (NMDOT) 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:

NMDOT (FY 2021 Targets):

- Total Traffic Fatalities Per Calendar Year: 411.6
- Rate of Traffic Fatalities Per 100M VMT: 1.486
- Number of Serious Injuries: 1,030.5
- Rate of Serious Injuries Per 100M VMT: 3.722
- Number of Non-Motorized Fatalities and Serious Injuries: 200.0

Here is a list of projects to assist in achieving the PM1 Target for New Mexico:

- E100221-4th Street Roadway Improvements: This project addresses the pedestrian/bicycling serious injury and fatality performance target by providing multimodal accommodations that currently do not exist.
- E100360-Rio Grande Trail: The Rio Grande Trail will provide non-motorized modes of travel connectivity for biking and walking. Non-motorized sidewalk and trail connectivity elements are designed in accordance to Report No. FHWA-SA-12-026 and AASHTO Green Book, alleviating safety concerns when utilizing the same roadway as motorized travelers.
- E100200-NM 404 Phase C/D and Phase II FY 2019 Funding: This is the PE phase of the NM 404 corridor; this phase doesn't directly address the performance targets but the construction phases will.
- E100203 NM 404 Widening: This project will reduce head on crashes caused by unsafe passing movements currently experienced on the corridor. In addition, a substantial amount of freight is projected to use this corridor after the completion on the NE Parkway in TX as a bypass to I-10
- E100202-NM 404/I-10 Bridge Replacement: This project will help to reduce rear end crashes on I-10 by reconfiguring the interchange to prevent or reduce backup onto the Interstate travel lanes. Additionally, the bridge will be widened to allow for multimodal accommodations that

currently do not exist and create a gap in the system from the City of Anthony to the Dona Ana Community College branch.

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.

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 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 New Mexico Department of Transportation (NMDOT) 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:

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%

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

- The NM 404 and NM 213 corridors assist in meeting the targets for percent non-interstate NHS pavement and bridge conditions by reconstructing existing pavement and reconstructing a geometrically deficient bridge at I-10. All pavements and the bridge on these corridors will be “good” after the projects and will directly impact the percent non-interstate NHS pavements & bridges in good and poor conditions. The good condition pavement percentage will increase slightly and the poor condition pavement percentage will decrease by the same amount. The NM 404 bridge over I-10 is currently not in the poor category but the reconstruction will move it to the “good” condition category and assist with increasing the target for percent of bridges on the NHS in good condition

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


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

- All NM 213 and NM 404 projects will add capacity at full build out with the intention of acting as a potential truck bypass for I-10 through Downtown El Paso. The I-10/ NM 404 bridge reconstruction will be adding capacity and reducing idling vehicles which currently queue due to ineffective traffic signal timing and geometric deficiencies which hinder effective and efficient freight movement. Reducing idling of vehicles and providing added capacity, allowing for more consistent movement, even with lane closures, will ultimately reduce emissions for the region and improve freight movement.

MPO Self-Certification

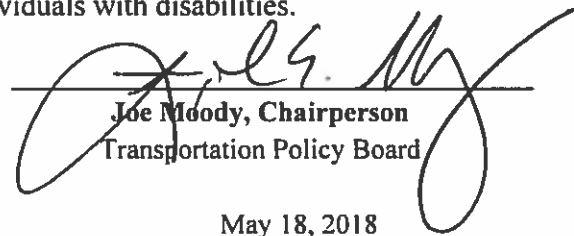
In accordance with 23 Code of Federal Regulations (CFR) part 450.334 and 450.220 of the Fixing America's Surface Transportation Act (FAST Act), the Texas Department of Transportation, and the El Paso Metropolitan Planning Organization for the El Paso urbanized area(s) hereby certify that the metropolitan transportation planning process is being conducted in accordance with all applicable requirements including:

- 1) 23 United States Code (U.S.C) 134, 49 U.S.C 503, and 23 CFR 450 subpart C – Metropolitan Transportation Planning and Programming;
- 2) In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
- 3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- 4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- 5) Section 1101(b) of the FAST Act (Public Law 109-59)) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- 6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- 7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- 8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- 9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- 10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.


Robert Bielek, P.E. – District Engineer
 Texas Department of Transportation-El Paso


May 18, 2018

Date


Joe Moody, Chairperson
 Transportation Policy Board

May 18, 2018

Date


Trent Doolittle, P.E. – District Engineer
 New Mexico Department of Transportation

May 18, 2018

Date