

**LAREDO URBAN TRANSPORTATION STUDY
ACTION ITEM**

<p>DATE:</p> <p>04-18-16</p>	<p>SUBJECT: RESOLUTION</p> <p>Receive public testimony and approve Resolution No. MPO 2016-05, adopting the proposed revision(s) of the 2015-2040 Laredo Metropolitan Transportation Plan (MTP), which are as follows:</p> <ol style="list-style-type: none"> 1. Amending Table 12-10, entitled Roadway and Bicycle/Pedestrian Project Summary and Table 12-11, entitled Roadway Projects, Figure 13-1, entitled Natural Resources and Federally Funded Projects; Figure 13-2, entitled Cultural Resources and Federally Funded Projects; Figure 13-3, entitled Low Income Areas and Federally Funded Projects; Table 13-1, entitled Federally Funded Projects Environmental Assessment Results; and Table 13-3, entitled Federally Funded Projects and Environmental Justice Populations by: <ol style="list-style-type: none"> a. Revision of project CSJ 2150-04-067 intended to provide the design and construction of one additional travel lane (northbound) on FM 1472, from Killam Industrial Boulevard to 0.3 miles north of Mueller Boulevard, in order to: <ol style="list-style-type: none"> i. Change the scope of work to add language providing for the design and partial reconstruction of the existing outside lane. ii. Increase project funding from 4.482 million to 5.782 million dollars. The additional project cost is proposed for funding thru Category 7 funds. 2. Addition of project CSJ 0922-33-170, further identified as the Zacate Creek Multi-Use Hike and Bike Trail, located along Zacate Creek, intended to provide for the design and construction of approximately 10,250 linear feet of trail, with an estimated total project cost of \$ 1,250,000 <p style="text-align: right;">MTP15-40/REV 04</p>
<p>INITIATED BY:TxDOT/MPO</p>	<p>STAFF SOURCE: Nathan Bratton, MPO Director</p>
<p>PREVIOUS ACTION: On December 15, 2014, the Policy Committee adopted the 2015-2040 Metropolitan Transportation Plan (MTP). The Policy Committee approved revision #1 of the MTP on April 20, 2015. On October 19th, 2015 the Policy Committee approved Resolution No. MPO 2015-11 adopting Revision 2. On March 21, 2016, the Policy Committee approved revision #3 and also approved the initiation of a 10 day public review and comment period for proposed revision #4.</p> <p>On December 21, 2015, the Policy Committee approved the allocation of 4.482 million dollars in Proposition 1, Category 2 (MPO) funds to the project identified as CSJ 2150-04-067 for the widening of pavement to provide additional travel lanes on FM 1472 (Mines Road) from Killam Industrial Boulevard to 0.3 miles north of Mueller Boulevard with an estimated letting date of August 2016.</p>	
<p>BACKGROUND: The Laredo Metropolitan Transportation Plan is an official, comprehensive, intermodal transportation plan developed and adopted for the metropolitan planning area. The MTP identifies the existing and future transportation needs and develops coordinated strategies to provide the necessary transportation facilities essential for the continued mobility and economic vitality of Laredo. These coordinated transportation strategies include roadway development and operations, truck and rail freight movement, transit operations, bikeways and pedestrian facilities. The development of the MTP is required under the Transportation Equity Act for the 21st Century (TEA-21), and the Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) of 2005, and Moving Ahead for Progress in the 21st Century (Map 21) to assure the continuation of federal transportation funds. The plan must address, at a minimum, a continuous twenty-year planning horizon.</p> <p>As of December 11, 2007, SAFETEA-LU required that all revisions to the Transportation Improvement Program (TIP) shall also be reflected in the Metropolitan Transportation Plan (MTP). That is a continued requirement under MAP21.</p> <p style="text-align: right;">Staff comments continued...</p>	
<p>COMMITTEE RECOMMENDATION:</p> <p>Approval.</p>	<p>STAFF RECOMMENDATION:</p> <p>Approval.</p>

**LAREDO URBAN TRANSPORTATION STUDY
ACTION ITEM**

1	Purpose of Revision	Increase funding and change scope of work		
	CSJ #	2150-04-067		
	Project Description	Construction of additional NB travel lane <u>and the design and partial reconstruction of existing outside lane</u>		
	Location	FM 1472 (NB)		
	Limits	From Spur 400 to SH 359		
	Existing Funding	4,482,000 Prop 1 (Cat 2)	New Funding	4,482,000 Prop 1 (Cat 2) 1,300,000 CAT 7
	Letting	Aug-16		
2	Purpose of Revision	Add project		
	CSJ #	0922-33-170		
	Project Description	Design and construction of Zacate Creek Hike and Bike Trail		
	Location	Zacate Creek		
	Limits			
	Funding	1,000,000 CAT 9 250,000 local		
	Letting	FY 2017		

RESOLUTION NO. MPO 2016-05

**BY THE LAREDO URBAN TRANSPORTATION STUDY
METROPOLITAN PLANNING ORGANIZATION POLICY COMMITTEE**


ADOPTING THE 2015-2040 METROPOLITAN TRANSPORTATION PLAN (MTP)

WHEREAS, the Laredo Urban Transportation Study (LUTS), the designated Metropolitan Planning Organization (MPO) for the Laredo Urban Area, has reviewed the proposed revision(s) of the 2015-2040 Metropolitan Transportation Plan (MTP); and,

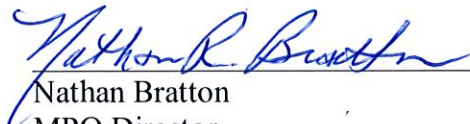
WHEREAS, the Laredo Urban Transportation Study finds that the proposed revision(s) of the 2015-2040 Metropolitan Transportation Plan (MTP) meets the high priority improvements necessary for the LUTS area;

NOW THEREFORE BE IT RESOLVED, that the Laredo Urban Transportation Study, as the designated Metropolitan Planning Organization for the Laredo Urban Area, adopted the proposed revisions of the 2015-2040 Metropolitan Transportation Plan (MTP), which are attached hereto and made a part hereof for all purpose:


We certify that the above resolution was adopted on April 18, 2016, at a public meeting of the Policy Committee of the Laredo Urban Transportation Study.



Honorable Pete Saenz
Mayor of Laredo and Chairperson of the
MPO Policy Committee



Nathan Bratton
MPO Director



Melisa Montemayor
Laredo District Administrator

Description: Design and construction of approximately 10,250 linear feet of trail.

Letting Year: 2017

Total Project Cost (2016 Dollars): \$1,250,000

YOE Cost: \$1,242,227

Programmed Amount:

Category 9 : 1,000,000

Local: \$250,000

Funding: Federally funded

Environmental Impacts and Environmental Justice:

The project is close to 100-year flood plains, but it is not near low income areas or other cultural resources.



2150-04-067 *FM 1472 (Mines Road): Design and construct additional travel lane (Northbound) and the design and partial reconstruction of existing outside lane.*

Description: The project will provide for the design and construction of one additional travel lane (northbound), and the design and partial reconstruction of existing outside lane on FM 1472 (Mines Road) , from Killam Industrial Boulevard to 0.3 miles north of Mueller Boulevard.

Letting Year: 2016

Total Project Cost (2016 Dollars): \$4,482,000

Total Project Cost (2016 Dollars): \$5,782,000

YOE Cost: \$5,782,000

Programmed Amount:

Prop 1 : Category 2: \$4,482,000

Category 7: \$1,300,000

Other Amount: None

Funding: State and Federally funded

Environmental Impacts and Environmental

Justice: The project is not near any low income, 100 year flood plain, or any other cultural resource.

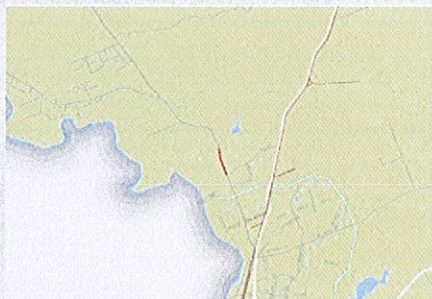
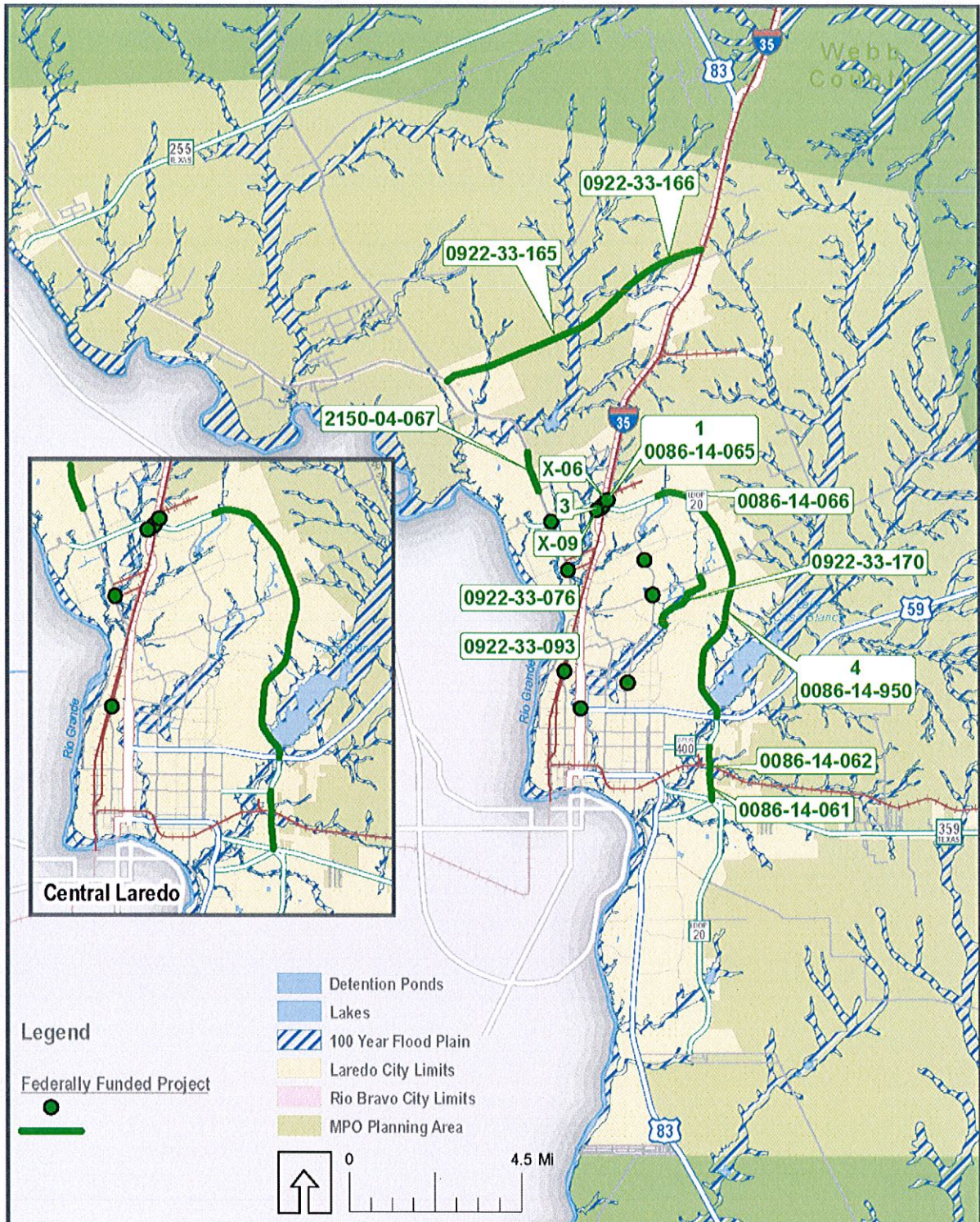


Figure 13-1: Natural Resources and Federally Funded Projects



Webb County

2150-04-067

0922-33-166

0922-33-165

0922-33-076

0922-33-093

0086-14-065

0086-14-066

0086-14-950

0086-14-062

0086-14-061

0922-33-170

Central Laredo

Legend

Federally Funded Project

0 4.5 Mi

systems, electricity, paved roads, and safe and sanitary housing. Residents of colonias are mostly low-income individuals seeking access to affordable living accommodations.

In order to determine which Census tracts are considered low income in the Laredo region, the U.S. Census data that shows the number of households in poverty and total households in Census tracts in 2012 were used. A Census tract is considered to be a low income area if its percentage of households in poverty is higher than regional average.

Table 13-3 identifies which projects are located in Environmental Justice areas, while **Figure 13-3** and **Figure 13-4** present the locations of Environmental Justice populations and the priority projects within this MTP.

Table 13-3: Federally Funded Projects and Environmental Justice Population

<i>ID</i>	<i>Roadway</i>	<i>Limits</i>	<i>Buffer Distance (Ft)</i>	<i>Low Income Census Tract</i>	<i>Colonia</i>
0086-14-061	Loop 20	Clark Blvd to SH 359	400	<input checked="" type="checkbox"/>	
1, 0086-14-065	Loop 20	At IH 35	500		
0086-14-066	Loop 20	At International Blvd	500		
3	Loop 20	At IH 35	500		
4, 0086-14-950	Loop 20	International Blvd to US 59	400		
X-06	IH 35	At Loop 20	500		
X-09	IH 35	At Loop 20	500		
0922-33-076	City Street	At the intersection of FM 1472 and Flecha Ln/Las Cruces Dr	500	<input checked="" type="checkbox"/>	
0922-33-093	City Street	At the intersection of Calton Rd and Santa Maria Ave	500	<input checked="" type="checkbox"/>	
0922-33-093	City Street	At the intersection of Calton Rd and Santa Maria Ave	500	<input checked="" type="checkbox"/>	
0086-14-062	Loop 20	1.06 mi south of Spur 400 to Spur 400	400	<input checked="" type="checkbox"/>	
2150-04-067	FM 1472	Killam Industrial Blvd to .3 Mi North of Muller Memorial Blvd	400		
0922-33-165	Hachar Parkway	FM 1472 to .1 Mi East of Beltway Parkway	400		
0922-33-166	Hachar Parkway	.1 Mi East of Beltway Parkway to IH35 Frontage Rd	400		
0922-33-170	Zacate Creek Hike & Bike	.18 Mi N of Jacaman Rd to E Del Mar Blvd	400		

Figure 13-3: Low Income Areas and Federally Funded Projects

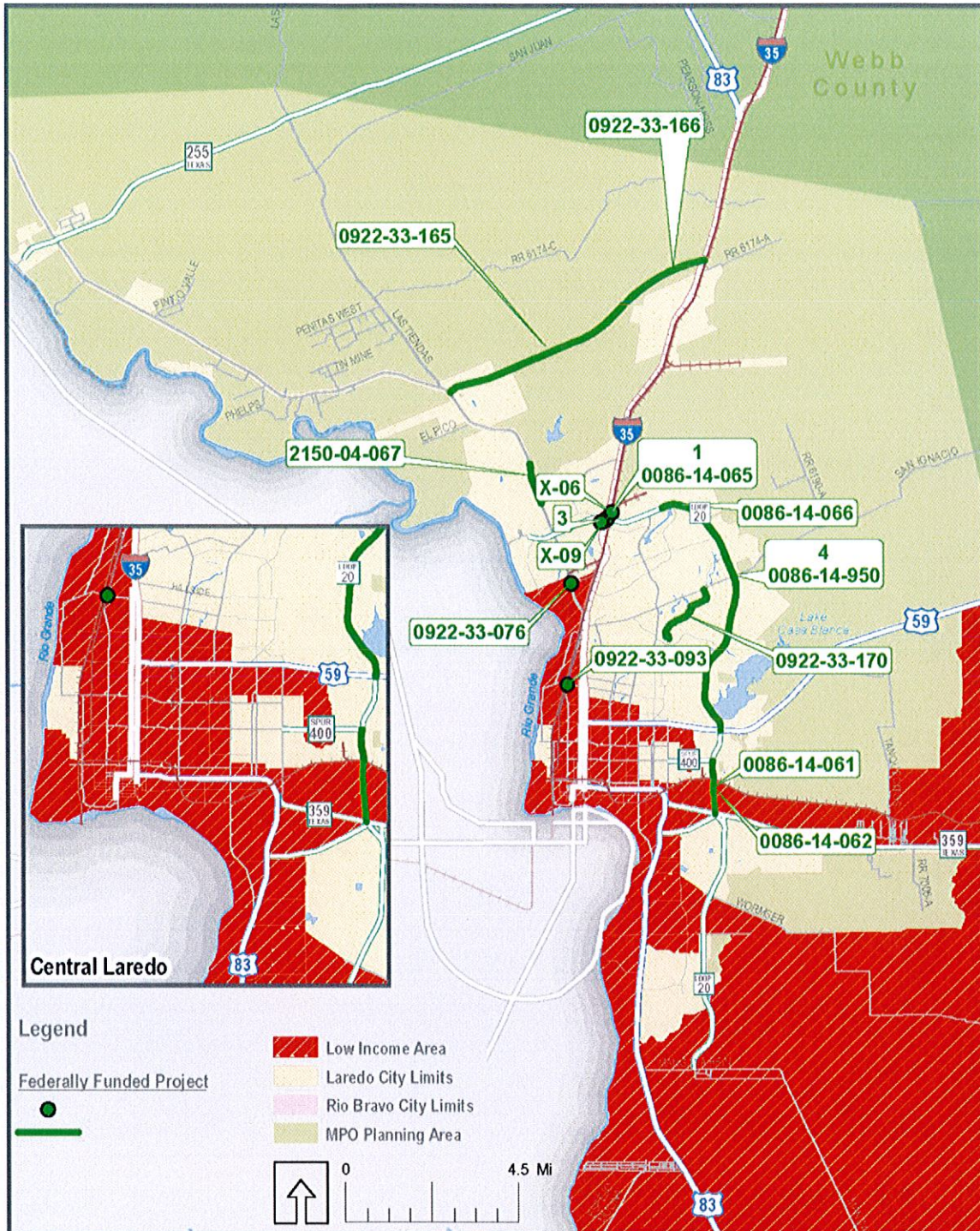


Table 13-1: Federally Funded Projects Environmental Assessment Results

ID	Roadway	Buffer Distance (Ft)	100-YR Flood Plain	Water Bodies	Airport	Cemetery	Historic Site	Medical Facility	Park and Rec. Facility	School
0086-14-061	Loop 20	400	<input checked="" type="checkbox"/>							
1, 0086-14-065	Loop 20	500	<input checked="" type="checkbox"/>							
0086-14-066	Loop 20	500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
3	Loop 20	500	<input checked="" type="checkbox"/>							
4, 0086-14-950	Loop 20	400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X-06	IH 35 at Loop 20	500	<input checked="" type="checkbox"/>							
X-09	IH 35 at Loop 20	500	<input checked="" type="checkbox"/>							
0922-33-076	City Street	500	<input checked="" type="checkbox"/>							
0922-33-093	City Street	500								
0086-14-062	Loop 20	400	<input checked="" type="checkbox"/>							
2150-04-067	FM 1472	400								
0922-33-165	Hachar Parkway	400	<input checked="" type="checkbox"/>							
0922-33-166	Hachar Parkway	400	<input checked="" type="checkbox"/>							
0922-33-170	Zacate Creek Hike & Bike	400	<input checked="" type="checkbox"/>							

Environmental Mitigation Activities

It is stated in the laws governing the federal transportation planning process that “long-range transportation plans should include a discussion of types of potential environmental mitigation activities and potential areas to carry out these activities, including activities that may have the greatest potential to restore and maintain the environmental functions affected by the plan”. In addition, MAP-21 requires that potential environmental mitigation activities be developed in consultation with federal, state, and tribal wildlife, land management, and regulatory (resource) agencies. The Laredo MPO is committed to minimizing and mitigating the negative effects of transportation projects on the natural and built environments. In doing so, the MPO recognizes that not every project will require the same type or level of mitigation. Some projects, such as new roadways and new interchanges, involve major construction with considerable earth disturbance. Others, like intersection improvements, street lighting, and resurfacing projects, involve minor construction and minimal, if any, earth disturbance. The mitigation efforts used for a project

should depend upon how severe the impact on environmentally sensitive areas is expected to be. To the extent possible, transportation projects should minimize off-site disturbance in sensitive areas and develop strategies to preserve air and water quality, limit tree removal, minimize grading and other earth disturbance, provide erosion and sediment control, and limit noise and vibration. Where feasible, alternative designs or alignments are developed that would lessen the project's impact on environmentally sensitive areas. 40 CFR 1508.20 suggests that typical steps for mitigation include the following:

- Avoiding the impact altogether by not taking a certain action or parts of an action.
- Minimizing impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifying the impact by repairing, rehabilitating, or restoring the affected environment.
- Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action.
- Compensating for the impact by replacing or providing substitute resources or environments.

Effective mitigation starts at the beginning of the environmental process, not at the end.

Mitigation must be included as an integral part of the alternatives development and analysis process. An ordered approach to mitigation, known as "sequencing," involves understanding the affected environment and assessing transportation effects throughout project development. A variety of possible mitigation activities and measures that can be considered when dealing with

environmental impacts, most of which are considered by the MPO during the project development process. The environmental mitigation strategies and activities are intended to be regional in scope, and may not necessarily address potential project-level impacts. As the location and magnitude of the proposed projects are determined, appropriate project level mitigation measures can be developed. **Table 13-2** lists the mitigation measures by resource.



Figure 12-1: Roadway and Bicycle and Pedestrian Projects

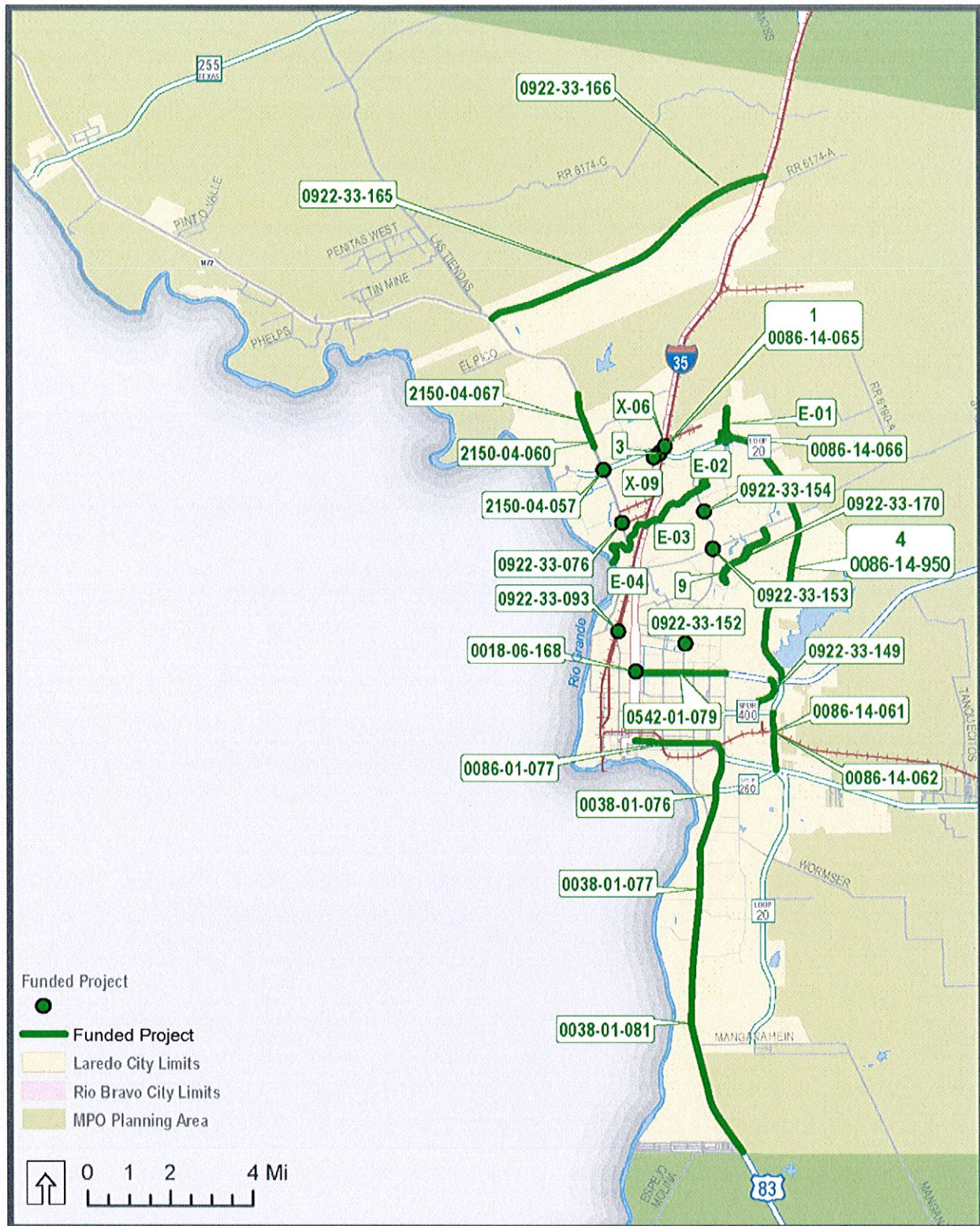


Table 12-10: Roadway and Bicycle/Pedestrian Projects Summary

Cat	CSJ No./ID	Roadway	Limits	Description	Letting Year	Project Cost		Projected Revenue	
						Total Project Cost (in 2014 dollars)	Year of Expenditure Cost	Federal Revenue	Other Revenue(RMA and Local Sources)
7, 11	0086-14-061	Loop 20	SH 359 to Spur 400	Widen existing bridge	2015	N/A	\$10,655,472	\$8,524,378	\$2,131,094
1, 2, 4	0086-14-062	Loop 20	1.09 S. of Spur 400 to Spur 400	New Nonfreeway frontage road	2015	N/A	\$17,613,584	\$1,506,867	\$16,106,717
8	0018-06-168	IH 35	At US 59 intersection	Improve traffic signal on frontage road	2015	\$96,146	\$99,992	\$81,702	\$18,290
8	0038-01-076	US 83	Palo Blanco to SH 359	Improve traffic signals - interconnect signals	2015	\$124,873	\$129,868	\$109,625	\$20,243
8	0038-01-077	US 83	Cielito Lindo to Palo Blanco	Improve traffic signals - interconnect signals	2015	\$171,131	\$177,976	\$131,375	\$46,601
8	0086-01-077	US 83	IH 35 to SH 359	Improve traffic signals - interconnect signals	2015	\$174,922	\$181,919	\$153,625	\$28,294
8	0542-01-079	US 59	IH 35 to Arkansas	Improve traffic signals - interconnect signals	2015	\$140,963	\$146,602	\$123,750	\$22,852
				Improve traffic signal, interconnect signals, and install overhead guide signs					
8	2150-04-057	FM 1472	At Loop 20	Construct hike and bike trail	2015	\$90,700	\$94,328	\$77,074	\$17,254
8	2150-04-060	FM 1472	Killam Industrial Blvd to Pellegrino	Install raised median	2015	\$149,669	\$155,656	\$128,438	\$27,218
9	9	Bike Trail	Zacate Dam to Del Mar Blvd	Construct hike and bike trail	2015	\$986,078	\$1,025,521	\$1,025,521	\$0
			0.50 mi west of Milo interchange to 3000 feet east of Havana						
10	0086-14-051	Loop 20	At the intersection of FM 1472 and Flecha	Schematic, environmental, ROW-survey/mapping & PSE	2015	\$4,256,385	\$4,426,640	\$4,000,845	\$425,795
10	0922-33-076	Ln/Las Cruces Dr		Re-align intersection	2015	\$3,377,269	\$3,512,360	\$1,440,411	\$2,071,949
11	0922-00-060	VA	Districtwide	Upgrade bridge rail and MBGF	2015	\$3,059,036	\$3,181,397	\$2,500,000	\$681,397
			Cielito-Lindo Blvd (NB) to Espejo Molina Rd (NB)						
12	0038-01-081	US 83		Resurface of existing highway	2015	\$253,823	\$263,976	\$6,593,622	\$0
1,2M,			0.45 m. east of Internation Blvd.to						
11	0086-14-066	Loop 20	0.25 m. west of Mcpherson	Construction of interchange	2016	N/A	\$22,777,543	\$583,634	\$22,193,909
		Manadas Creek Hike							
9	E-01	and Bike Trail, Phase III	United High School to Loop 20	Construct hike and bike trail	2016	\$886,846	\$959,213	\$959,213	\$0
10	0922-33-093	Calton Rd	Santa Maria Ave	Construct overpass	2016	\$23,309,669	\$25,211,738	\$12,926,124	\$12,285,614
			East of International Blvd to US						
10	0086-14-058	Loop 20	59/Loop 20 interchange	Schematic, environmental, ROW-survey/mapping & PSE	2016	\$3,880,224	\$4,196,850	\$3,500,000	\$696,850
11	0922-00-056	VA	Districtwide	Upgrade bridge rail and MBGF	2016	\$3,089,177	\$3,341,254	\$2,500,000	\$841,254
			FM 1472 to 0.1 m. E. of Beltway						
Local	0922-33-165	Hachar Parkway	Parkway	Schematic, environmental for 5.07 miles of 5 lane rural roadway	2016	\$1,016,063	\$1,016,063	\$0	\$1,016,562
			0.1 m. E. of Beltway Parkway to IH 35						
10 (CBI)	0922-33-166	Hachar Parkway		Schematic, environmental, and preliminary engineering for a 5 lane rural roadway.	2016	\$300,000	\$300,000	\$300,000	\$60,000
Prop 1- (Cat 2)	2150-04-067	FM 1472 (Mines Rd.)	Killam Industrial Blvd to 0.3 miles north of Mueller Blvd.	Construct one additional northbound travel lane	2016	\$4,482,000	\$4,482,000	\$4,482,000	\$0
Prop 2 (Cat 2)				Construct one additional northbound travel lane, and the design and partial reconstruction of the existing outside lane.					
and 7	2150-04-067	FM 1472 (Mines Rd.)	Killam Industrial Blvd to 0.3 miles north of Mueller Blvd.		2016	\$5,782,000	\$5,782,000	\$1,300,000	\$0
2, 7, 12	1/0086-14-065	Loop 20	At IH 35	Construct overpass and approach roadways	2017	\$32,509,223	\$36,568,455	\$22,652,967	\$13,915,488
8	0922-33-152	McPherson Rd	At Calton Rd	Install raised median	2017	\$231,362	\$260,251	\$203,829	\$56,422
8	0922-33-153	McPherson Rd	At Del Mar Blvd	Install raised median and add right turn lane	2017	\$573,721	\$645,358	\$505,445	\$139,913
8	0922-33-154	McPherson Rd	At International Blvd	Install raised median	2017	\$347,446	\$390,830	\$306,098	\$84,732
		Manadas Creek Hike	McPherson Rd to North Central						
9	E-02	and Bike Trail, Phase IV	Park	Construct hike and bike trail	2017	\$335,305	\$377,172	\$377,172	\$0
				Construction of a pedestrian trail at Chacon Creek in Laredo (Phase 3)					
11	0922-33-149	Chacon Creek	Eastwoods Park to US 59		2017	\$1,786,746	\$2,009,846	\$1,410,000	\$599,846
		Zacated Creek Hike and							
9, local	0922-33-170	Bike Trail	Zacate Creek	Design and construction of hike and bike trail.	2017	\$1,250,000*	\$1,416,278	\$1,000,000	\$250,000
				Construct ramps from IH 35 southbound to Loop 20 eastbound, and from Loop 20 westbound to IH 35 southbound					
2, 7	3	Loop 20	At IH 35		2018	\$44,200,000	\$51,707,748	\$9,276,602	\$42,431,146
		Manadas Creek Hike							
9	E-03	and Bike Trail, Phase V	IH 35 to McPherson Rd	Construct hike and bike trail	2018	\$654,910	\$766,152	\$766,152	\$0
			FM 1472 to 0.1 m. E. of Beltway						
Local	0922-33-925	Hachar Parkway	Parkway	Construction of 5.07 miles of 5 lane rural roadway	2018	\$20,890,841	\$23,499,354	\$0	\$23,499,354
		Manadas Creek Hike	Rio Grande River NW of water						
9	E-04	and Bike Trail, Phase VI	treatment plant	Construct hike and bike trail	2019	\$746,471	\$908,196	\$908,196	\$0
11	0922-00-951	VA	Districtwide	Upgrade bridge rail and MBGF	2019	\$3,089,178	\$3,758,457	\$2,500,000	\$1,258,457
				Upgrade to interstate standards, including overpasses at Shiloh Dr, Del Mar Blvd, University Blvd, Jacaman Rd, and Airport					
7, 10	4/0086-14-058	Loop 20	International Blvd to US 59		2020	\$391,400,000	\$495,245,864	\$116,608,517	\$378,637,347
11	0922-00-953	VA	Districtwide	Upgrade bridge rail and MBGF	2020	\$3,089,177	\$3,908,795	\$2,500,000	\$1,408,795
11	0922-00-955	VA	Districtwide	Upgrade bridge rail and MBGF	2021	\$3,089,178	\$4,065,147	\$2,500,000	\$1,565,147
11	0922-00-960	VA	Districtwide	Upgrade bridge rail and MBGF	2022	\$3,089,178	\$4,227,753	\$2,500,000	\$1,727,753
11	0922-00-970	VA	Districtwide	Upgrade bridge rail and MBGF	2023	\$3,089,178	\$4,396,863	\$2,500,000	\$1,896,863
			0.1 m. E. of Beltway Parkway to IH 35						
Local	0922-33-950	Hachar Parkway		Construction of 3.55 miles of 5 lane rural roadway	2025	\$24,544,444	\$28,193,851	\$0	\$28,193,851
				Construct ramp from Loop 20 Westbound to IH 35 Northbound					
7	X-06	IH 35	At Loop 20		2037	\$35,520,000	\$87,546,696	\$7,454,863	\$80,091,833
				Construct ramp from Loop 20 Eastbound to IH 35 Southbound					
7	X-09	IH 35	At Loop 20		2039	\$35,520,000	\$94,690,506	\$7,454,863	\$87,235,643
Total						\$89,288,726	\$954,315,524	\$234,372,908	\$721,684,483

* 2016 dollars