

FY 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

AND FINANCIAL PLAN PROJECTS
WITH OBLIGATION AUTHORITY

US 181 HARBOR BRIDGE REPLACEMENT PROJECT
RENDERING, TXDOT - CORPUS CHRISTI DISTRICT

APPROVED BY THE TRANSPORTATION POLICY COMMITTEE - MAY 5, 2016
FEDERAL APPROVAL - DECEMBER 22, 2016 | AMENDED JULY 6, 2017

Corpus Christi Metropolitan Planning Organization 602 N. Staples Street, Suite 300 Corpus Christi, Texas 78401
Phone: 361.884.0687 E-mail: ccmpo@cctxmpo.us Website: corpuschristi-mpo.org

FY 2017-2020

TRANSPORTATION IMPROVEMENT PROGRAM AND FINANCIAL PLAN PROJECTS WITH OBLIGATION AUTHORITY



**APPROVED BY THE TRANSPORTATION POLICY COMMITTEE – MAY 5, 2016
FEDERAL APPROVAL - DECEMBER 22, 2016 | AMENDED JULY 6 2017**

The preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the State Planning and Research Program, Section 505 [or Metropolitan Planning Program, Section 104(f)] of Title 23, U.S. Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation.

**Corpus Christi MPO
FY 2017 – 2020 Transportation Improvement Program**

TABLE OF CONTENTS

I. INTRODUCTION	1
II. BACKGROUND	
Definition of Area	1
Boundary Map.....	2
III. ESSENTIAL ELEMENTS	
Engaging Public Participation.....	2
Supporting Environmental Justice.....	3
Embracing Performance-based Project Prioritization.....	4
Maintaining Air Quality Conformity	4
Conducting Financial Analysis	5
IV. APPENDICES	
Appendix A: Highway Project Summary List for FY 2017-2020 TIP.....	13
Appendix B: Transit Project Summary List.....	17
Appendix C: MPO Committee Members Contact List	21
Appendix D: MPO Self-Certification	25
Appendix E: Glossary of Terms.....	29
V. AMENDMENTS	
August 2017 Amendment Summary	35

I. INTRODUCTION

Urbanized areas with populations of more than 50,000 are required by federal legislation to have a designated entity to help coordinate regional transportation projects; The Corpus Christi Metropolitan Planning Organization, which encompasses portions of Nueces and San Patricio counties, is that entity for the greater Corpus Christi area. The primary objectives of the MPO and its member agencies are the preservation and efficient use of the existing transportation system.

The Transportation Improvement Program (TIP) is prepared in compliance with the Statewide Planning Metropolitan Planning Rules jointly issued by the Federal Highway Administration (FHWA) (23 CFR Part 450) and the Federal Transit Administration (FTA) (49 CFR Part 613). This document, a four-year fiscally constrained listing of transportation projects and strategies implementing the Corpus Christi Metropolitan Planning Organization's (MPO) Metropolitan Transportation Plan (MTP), is updated every two years cooperatively with local and state transportation entities within the MPO boundaries. Upon completion, the MPO Transportation Policy Committee (TPC) and Governor approve the plan for federal fiscal years October 2016 through September 2020.

The TIP planning process complies with a comprehensive, cooperative, and continuing (3-C) transportation planning framework for making transportation investment decisions and is a fiscally constrained short-range transportation capital improvement plan. To be eligible for any level of federal funding, a project must be in the MPO Metropolitan Transportation Plan (MTP) and the TIP. Once programmed into the TIP, these projects automatically become part of the Texas State Transportation Improvement Program (STIP).

II. BACKGROUND

Since the 1962 Federal-aid Highway Act, federal authorizing legislation for expenditure of surface transportation funds has required metropolitan area transportation plans and programs to be developed through a 3-C planning process. After five short-term extensions, the passage of the five-year **Fixing America's Surface Transportation Act (FAST Act)** in 2015 was the first Federal law in over ten years to provide long-term funding certainty for surface transportation (for fiscal years 2016 through 2020). The FAST Act continues the Metropolitan Planning Program and authorizes \$305 billion for the Department's highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology and statistics programs.

Locally, formal transportation planning activities in the Corpus Christi Metropolitan Study Area began in the early 1960s. In (1962), the Texas Highway Department - Planning Survey Division, and the U.S. Department of Commerce - Bureau of Public Roads, in cooperation with the City of Corpus Christi (City) initiated the Corpus Christi Transportation Plan 1963-1964.

The cooperative efforts of the state and the City resulted in a long-term strategy for managing traffic associated with future urban development. The plan included a complete network of streets and highways, which, when completed, was expected to provide efficient movement of traffic. The City reaffirmed this plan in 1974, 1976, 1979, 1983-84, and revised it in 1987. In 1994, the MPO incorporated the Corpus Christi Transportation Plan in its long-range MTP. Priority projects are selected from the MTP to populate the TIP.

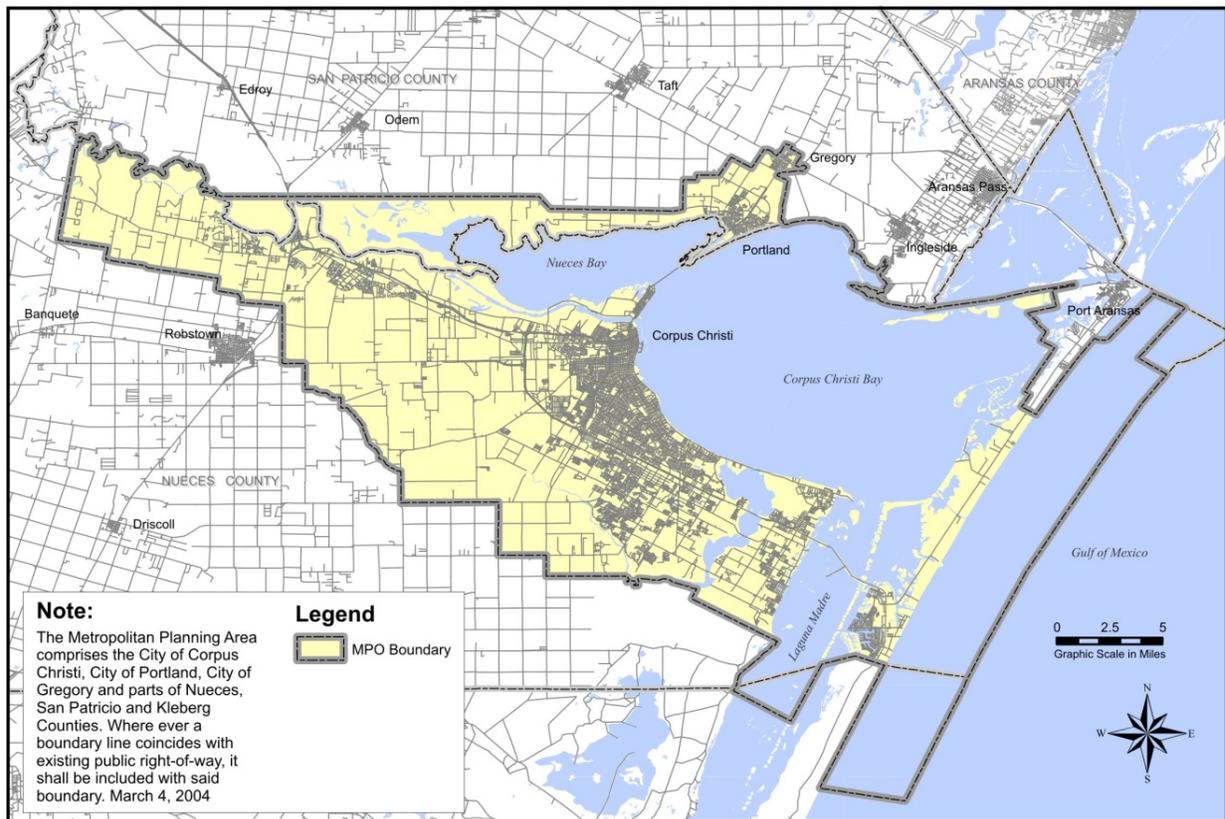
Definition of Area:

In 1973, the State Governor designated the City as the MPO to perform transportation planning for the metropolitan area. The MPO designation changed in June 2000, and the Transportation Policy

Committee has been the designated MPO since that time. The Corpus Christi Transportation Plan’s original signatories (City of Corpus Christi, City of Portland, Nueces County, San Patricio County, and the Texas Department of Transportation – Corpus Christi District) now constitute the MPO’s member agencies. To promote a multi-modal transportation planning process, the MPO also includes the Corpus Christi Regional Transportation Authority (RTA) and the Port of Corpus Christi Authority.

Census 2000 expanded the Urbanized Area Boundary (UAB) as well as the Metropolitan Area Boundary (MAB) to include the City of Gregory. The San Patricio County delegates to the Transportation Policy Committee (TPC) and the Technical Advisory Committee (TAC) represent Gregory. The area map below shows the physical boundary of the MPO area. Results from the 2010 census created subtle changes within the existing boundary representation of our UAB and MAB.

Boundary Map:



Corpus Christi Metropolitan Planning Boundary

III. ESSENTIAL ELEMENTS

Engaging Public Participation:

The MPO Public Participation Plan (PPP) is compliant with Limited English Proficiency (LEP) requirements. This plan, adopted by the TPC in 2012, meets the minimum standard for public participation in a transportation planning process that adheres to the principles of Environmental Justice and Title VI of the Civil Rights (Title VI) Act of 1964. The transportation planning process requires early and proactive public involvement by citizens and decision makers to allow them the opportunity and time to offer input and make informed decisions. MPO continuously reviews the PPP

in an effort to improve the effectiveness of public involvement and outreach. The FY 2016 review and update of the PPP and Title VI procedures created refinements to the MPO's ongoing obligations and strategies.

As defined by Executive Order 13166, LEP persons are those who do not speak English as their primary language and have limited ability to read, speak, write, or understand English. The MPO's LEP Plan helps identify reasonable steps for providing language assistance to persons with limited English proficiency who wish to access services provided. The plan outlines how to identify a person who may need language assistance, and the ways in which assistance may be provided. Public meetings for MPO's short- and long-range plans are conducted in accordance to Title VI for low income and minority population's proactive participation. Locations selected for public meetings are Americans with Disability (ADA) Act accessible and have close proximity to public transportation.

Supporting Environmental Justice:

Environmental Justice (EJ) Orders strengthen support of Title VI regulations by providing that each federal agency must identify and address, as appropriate, disproportionately high adverse human health or environmental effects of its programs, policies, and activities on minority and low-income populations. The department and MPOs are responsible for developing procedures to collect statistical data (race, color, religion, sex, and national origin) of participants in, and beneficiaries of state highway programs, i.e., relocatees, affected citizens and affected communities. Recipients of federally assisted programs shall keep documentation for federal review, demonstrating the extent to which members of target populations are beneficiaries of such programs.

Further, as a recipient of federal financial assistance under Title VI and related statutes, the MPO ensures that no person shall, on the grounds of race, religion, color, national origin, sex, age, or disability be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any agency programs or activities. These prohibitions extend from the MPO, as a direct recipient of federal financial assistance, to its sub-recipients (e.g., contractors, consultants, local governments, colleges, universities, etc.). All programs funded in whole or in part from federal financial assistance are subject to Title VI requirements. The Civil Rights Restoration Act of 1987 extended this to all programs within an agency that receives federal assistance regardless of the funding source for individual programs. The MPO is committed to meeting the transportation needs of all and ensuring that no one-population group endures a disproportional share of the burdens in meeting those needs.

MPO staff collects and analyzes demographic data in a geospatial format for Title VI Civil Rights evaluation. The MPO's Title VI procedures establish a protocol under which persons who are not employees of the MPO can make complaints, alleging discrimination in the MPO's provisions, services, or activities. Any person who believes the MPO, or any entity who receives federal financial assistance from or through the MPO (i.e., sub-recipients, sub-contractors, or sub-grantees), has subjected them or any specific class of individuals to unlawful discrimination may file a complaint of discrimination.

Regional transit partners have procedures to uphold the requirements of the ADA. RTA operates complementary paratransit service in compliance with ADA and FTA regulations. All RTA fixed route and paratransit revenue vehicles and facilities are fully accessible by persons with disabilities. The RTA's paratransit service is provided for all areas within 3/4 mile of the fixed route service for those who cannot access the fixed route system due to physical barriers or a disability. The RTA Committee on Accessible Transportation (RCAT) provides guidance and insight to RTA Board of Directors on the development and operation of public transportation services, which promote the inclusion, and

integration of persons with disabilities. RTA and the City work collaboratively on their ADA compliant projects, which may include constructing curb cuts, sidewalks, and striping in order to provide accessible ramps for improved pedestrian access to and from bus stops. All other highway, bike, and pedestrian projects considered for federal funding include appropriate provisions for meeting the needs of individuals with disabilities.

Embracing Performance-based Project Prioritization:

The MPO has identified preliminary performance measures for each of five project categories defined in the 2015-2040 MTP: Safety, Congestion, Connectivity, Freight, and Energy. Quantitative evaluation of potential projects on the basis of established performance measures allows a direct comparison of project returns in terms of community benefit in priority program areas. The MPO is compliant with the following directives for performance-based planning:

- The MPO will establish and use a performance-based approach to transportation decision-making and plan development.
- Targets will address surface transportation performance measures and will coordinate with the State and public transportation providers to ensure consistency.
- Performance targets will be established no later than 180 days after the date that the State or public transportation provider establishes performance targets.
- The MPOs structure will include officials of public transportation systems.

Prioritization of transit projects is based on an estimation of need and demand for each proposed service or project. Prioritization of a transit project depends on the completion of necessary studies and the availability of necessary funds.

Active Transportation projects—construction of pedestrian and bicycle infrastructure—are evaluated and prioritized through the Transportation Alternatives Program.

Maintaining Air Quality Conformity:

The Clean Air Act (CAA) and associated amendments require areas to maintain compliance with the National Ambient Air Quality Standards (NAAQS) for listed priority pollutants. The goal of conformity is to ensure that FHWA and FTA funding and approvals are given to highway and transit activities that are consistent with air quality goals and that such activities will not cause or contribute to any new violations of the NAAQS or increase the frequency or severity of NAAQS violations. The pollutant of primary concern for the Corpus Christi Urban Air Shed - CCUAS (Nueces and San Patricio Counties) is ozone.

Locally, conformity is achieved through vigilant and collaborative efforts in air quality and transportation planning (MTP and TIP). The Corpus Christi Air Quality Committee, local entities, Texas Commission on Environmental Quality (TCEQ), and various local entities work together with the U.S. Environmental Protection Agency (EPA) to plan and implement appropriate voluntary actions to improve air quality. A cooperative plan, initially formalized in 1996, is revised periodically to reflect the evolution of the program. The Pollution Prevention Partnership, an effort spearheaded by Texas A&M University-Corpus Christi, has been instrumental in providing public education and outreach services to small businesses and the public in the area of emissions reduction opportunities and techniques.

Metropolitan areas that meet NAAQS standards are in attainment and are not required to establish control measures to improve air quality. At the time of adoption for the FY 2017-2020 TIP, the MPO

was in attainment for all air pollutants regulated by the EPA. Because the Corpus Christi study area has maintained attainment status, despite the tightening of federal standards and significant ozone contributions from outside the CCUAS, the MPO is not obligated to provide air quality analysis for the area or additional information that identifies non-federally funded projects of regional significance.

Conducting Financial Analysis:

Projects included within the TIP have a source of funding identified and committed to the project. TxDOT’s 12 funding categories are listed in the following table. Typically, MPO projects reflect use of Category 2, 7, 9, Prop 1, and/or Prop 7.

<i>FUNDING CATEGORY</i>		<i>PROJECT SELECTION CRITERIA</i>
1	Preventive Maintenance and Rehabilitation	Projects selected by districts. Commission allocates funds through a formula allocation program.
2	Metropolitan and Urban Area Corridor Projects	Projects selected by MPOs in consultation with TxDOT. Commission allocates funds through a formula allocation program.
3	Non-Traditionally Funded Transportation Projects	Determined by legislation, Commission approved Minute Order, and local government commitments.
4	Statewide Connectivity Corridor Projects	Project selections based on engineering analysis of projects on three corridor types: <ul style="list-style-type: none"> • Mobility: based on congestion • Connectivity: 2-lane roadways requiring upgrade to 4-lane divided • Strategic Corridors: corridor additions to the state highway network i.e., the Ports-to-Plain Corridor.
5	Congestion Mitigation and Air Quality Improvement	Projects selected by MPOs in consultation with TxDOT. Commission allocates funds distributed by population weighted by air quality severity to non-attainment areas. Non-attainment areas designated by the Environmental Protection Agency (EPA).
6	Structures Replacement & Rehabilitation Bridge Program; Railroad Grade Separation Program	Projects selected by the Bridge Division (BRG) based on a listing of eligible bridges prioritized first by Deficiency Categorization (Structurally Deficient followed by Functionally Obsolete) & then by Sufficiency Ratings. Commission allocates funds through Statewide Allocation Program. In 2015, program increased to address maintenance and preservation related work.
7	Metropolitan Mobility/ Rehabilitation	Projects selected by MPOs operating in transportation management areas (TMA), in consultation with TxDOT. Commission allocates funds through Federal program distributed to MPOs with an urbanized area population of 200,000 or greater (TMAs).

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

8	Safety Federal Highway Safety Improvement Program (HSIP), Federal Railway-Highway Crossing Program, Safety Bond Program	Projects selected by federally mandated safety indices & prioritized listing. Commission allocates funds through Statewide Allocation Program. In 2015, category includes System Widening Program.
9	Transportation Alternatives	Local entities host program calls & nominate projects. TxDOT (with FHWA) evaluates & makes recommendations to Commission. TAP allocations are to be used for bike/pedestrian related improvements.
10	Coordinated Border Infrastructure Program (CBI) & Congressional High Priority Projects	CBI projects selected by districts with FHWA review & approval. Discretionary funds are project specific based on legislation.
10	Supplemental Transportation Projects: State Park Roads, Railroad Grade Crossing Re-planking, Railroad Signal Maintenance, Landscape Incentive Awards, Green Ribbon Landscape Improvement, Curb Ramp Program	CBI projects selected by districts with FHWA review & approval. Discretionary funds are project specific based on legislation.
11	District Discretionary	Projects selected by Districts. Commission allocates funds through a formula allocation program. Minimum \$2.5 million allocation to each district per legislative mandate.
12	Strategic Priority	Commission selects projects.
PROPOSITION 1		Effective FY 2014, a portion of oil and gas tax revenues are deposited in the State Highway Fund; allocations available beginning FY 2015.
PROPOSITION 7		Effective FY 2017, formula funds will be diverted from state general sales, use tax, vehicle sales, and rental tax to fund state highway fund. MPO allocations anticipated in FY 2018.

The following Highway Financial Summary – Year of Expenditure cost table represents financial projections by Category for TIP fiscal years 2017 to 2020. * Amended Highway Financial Summary – Year of Expenditure Table reflecting August 2017 Quarterly Amendment changes is located in Section V. Amendments: August 2017 Amendment Summary, Page 39.

TEXAS DEPARTMENT OF TRANSPORTATION HIGHWAY FINANCIAL SUMMARY – YEAR OF EXPENDITURE

Corpus Christi MPO / TxDOT - CRP District
 FY 2017 - 2020 Transportation Improvement Program
 Highway Financial Summary – Year of Expenditure *
 TPC APPROVED: 5/5/2016

Category	Description	FY 2017		FY 2018		FY 2019		FY 2020		Total FY 2017 - 2020	
		Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized
1	Preventive Maintenance and Rehabilitation	\$13,524,000	\$13,524,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,524,000	\$13,524,000
2M or 2U	Urban Area (Non-TMA) Corridor Projects	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Non-Traditionally Funded Transportation Project	\$12,076,000	\$12,076,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,076,000	\$12,076,000
4	Statewide Connectivity Corridor Projects	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	OMAC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5 Flex	Map21 Flex	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Structures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Metro Mobility & Rehab	\$5,130,000	\$5,130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,130,000	\$5,130,000
8	Safety	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Transportation Enhancements	\$162,439	\$162,439	\$0	\$0	\$0	\$0	\$0	\$0	\$162,439	\$162,439
9 Flex	TAP	\$2,278,878	\$2,278,878	\$510,626	\$510,626	\$0	\$0	\$0	\$0	\$2,789,504	\$2,789,504
10	Supplemental Transportation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 CBI	Corridor Border	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	District Discretionary	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Strategic Priority	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12C	Strategic Priority RECON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12S	Strategic Priority RECON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SBPE	Strategy/Budget PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SB 102	Strategy 102	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$33,171,317	\$33,171,317	\$510,626	\$510,626	\$0	\$0	\$0	\$0	\$33,681,943	\$33,681,943

Source	FY 2017	FY 2018	FY 2019	FY 2020	Total
	Federal	\$16,876,253	\$408,501	\$0	\$0
State	\$2,704,800	\$0	\$0	\$0	\$2,704,800
Local Match	\$1,514,264	\$102,125	\$0	\$0	\$1,616,389
CAT 3 - Local Contributions (LC)	\$1,600,000	\$0	\$0	\$0	\$1,600,000
CAT 3 - Prop 1	\$10,476,000	\$0	\$0	\$0	\$10,476,000
Other - Section 5306	\$0	\$0	\$0	\$0	\$0
Other - Strategy PE Budget	\$0	\$0	\$0	\$0	\$0
Other - Strategy 102 Budget	\$0	\$0	\$0	\$0	\$0
Total	\$33,171,317	\$510,626	\$0	\$0	\$33,681,943

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

The following table documents projects funded, limits on project funding, and any special funding arrangements the transportation improvements programmed within the fiscal years 2017 through 2020. The highway project listings reflect projects to be built with MPO funds from Category 2, 7, 9, 12, and Prop 1. The MPO also participates in TxDOT's "Grouped Projects" (Control Section Jobs - CSJ) in the STIP. A complete list of all projects within the MPO planning area is available in the Appendix.

Corpus Christi MPO / TxDOT - CRP District																														
FY 2017 - 2020 Transportation Improvement Program																														
TPC APPROVED: 5/5/2016																														
Financial 2017-2020_Highway_Template_v1.3																														
CSJ	MPO PROJECT NUMBER	DISTRICT	COUNTY	MPO	HWY #	CITY	TIP	FY	PHASE												REVISION DATE	PROJECT SPONSOR	LIMITS FROM	LIMITS TO	DESCRIPTION	TPC	TPC:PE	TPC: ROW	TPC: CONSTRUCT.	TPC:CE
									C	E	E	R	R	R	T															
0101-04-097	S224P117	CORPUS CHRISTI	SAN PATRICIO	CORPUS CHRISTI	US 181	Portland	2017	Y												07/01/2016	TxDOT-CRP	0.6 mi SE of Spur 202	FM 3239 (Buddy Ganem)	Construct Interchange facility	\$29,262,690	\$1,224,799	\$0	\$24,995,892	\$1,172,307	
0916-35-206	B222C917	CORPUS CHRISTI	NUECES	CORPUS CHRISTI	VA	Corpus Christi	2017	Y												07/01/2016	Corpus Christi	At Various Locations in CC		Standardized signage for Bike Mobility Network	\$625,345	\$26,627	\$0	\$543,400	\$26,572	
0916-28-069	B223C917	CORPUS CHRISTI	NUECES	CORPUS CHRISTI	VA	Portland	2017	Y												07/01/2016	Portland	At Various Locations in Portland		track and buffered bicycle lanes	\$436,324	\$18,578	\$0	\$379,149	\$18,540	
0916-35-207	B225C918	CORPUS CHRISTI	NUECES	CORPUS CHRISTI	CS	Corpus Christi	2018	Y												07/01/2016	Corpus Christi	On Ocean Dr	At Del Mar Blvd	Hawk signal at Ocean Dr. and Del Mar	\$206,331	\$8,785	\$0	\$179,293	\$8,767	
0916-28-070	B226C918	CORPUS CHRISTI	NUECES	CORPUS CHRISTI	CS	Portland	2018	Y												07/01/2016	Portland	Wildcat Drive	Billy G. Webb Dr	track and buffered bicycle lanes	\$422,991	\$18,011	\$0	\$367,563	\$17,974	
FUNDING SOURCE 01																				FUNDING SOURCE 02										
TPC: CONTINGEN CIES	TPC: INDIRECT	TPC: BOND	TPC: PCO	TOP 100 CONGESTED	TOLL	TCM	CATEGORY	FEDERAL	STATE	REGIONAL	LOCAL	LOCAL CONTRIB.	CATEGORY	FEDERAL	STATE	REG'L	LOCAL	LOCAL CONTRIB												
\$747,377	\$0	\$0	\$1,122,316				1	\$10,819,200	\$2,704,800				3		\$10,476,000															
\$6,140	\$0	\$0	\$22,605				9TAP	\$418,000			\$104,500																			
\$4,284	\$0	\$0	\$15,773				9TAP	\$287,902			\$71,976																			
\$2,026	\$0	\$0	\$7,459				9TAP	\$134,816			\$33,704																			
\$4,153	\$0	\$0	\$15,291				9TAP	\$273,685			\$68,421																			

IV. APPENDICES

Appendix A:

MPO Highway Project Summary List – FY 2017-2020 TIP

August Amended MPO Highway Project Summary List – FY 2017-2020 TIP

(See Section V. 2017 August Amendment, Page 39)

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

Corpus Christi MPO Highway Project Summary List
FY 2017 - 2020 Transportation Improvement Program
 TPC Approved: 5/5/2016

	CSJ#	MPO ID #	PROJECT NAME	FROM	TO	CATEGORY	PROJECT SPONSOR	YOE Cost
FY 2017	0101-04-097	S-224-P1-17	US 181 Overpass at Kay Bailey Hutchison Rd	0.6 mi SE of Spur 202	FM 3239 (Buddy Ganem Dr)	CAT 1, Prop 1	TxDOT-CRP	\$24,000,000
	0916-00-067	S1540M0112	Roadway Operation & Maintenance	Various Locations		CAT 7	TxDOT-CRP	\$1,030,000
	0916-00-068	S154C0112	Pedestrian & Bike	Various Locations		CAT 7	Corpus Christi	\$1,200,000
	0916-28-066	B-215-C9-16	Akins Dr. Pedestrian & Bike Facility	On Akins Dr. from Lang Rd.	Wildcat Dr.	CAT 9 - TAP	Portland	\$400,000
	0916-28-069	B-223-C9-17	Portland Bicycle Lanes	Various Locations		CAT 9 - TAP	Portland	\$359,878
	0916-35-170	S049C0497	Holly Rd. Travel Lanes	Holly Rd. from SH 286	Greenwood Dr.	CAT 7/3LC	Corpus Christi	\$6,681,755
	0916-35-174	S049-01-CE-15	Holly Rd. Landscaping	Holly Rd. from SH 286	Greenwood Dr.	CAT 9 - TE	Corpus Christi	\$186,804
	0916-35-200	B-218-C9-16	Schanen Ditch Hike & Bike Trail	Along Schanen Ditch Saratoga Blvd.	Killarmet	CAT 9 - TAP	Corpus Christi	\$636,000
	0916-35-201	B-219-C9-16	Dr. Hector P. Garcia Park Hike & Bike Trail	At Garcia Park on Greenwood Dr.		CAT 9 - TAP	Corpus Christi	\$330,400
	0916-35-206	B-222-C9-17	Region-wide Bike Blvd Wayfinding Initiative	Various Locations		CAT 9 - TAP	Corpus Christi	\$522,500
	0916-35-205	F-214-C7-15	Strategic Integration (Travel Demand Model) Feasibility Study	Various Locations		CAT 7	Corpus Christi	\$460,000
FY 2018	0916-28-070	B-226-C9-18	Memorial Pkwy Hike & Bike: Phase I	Wildcat Dr	Billy G. Webb Dr	CAT 9 - TAP	Portland	\$342,106
	0916-35-207	B-225-C9-18	Safe Shelter and Crossing Program	On Ocean Dr	At Del Mar Blvd	CAT 9 - TAP	Corpus Christi	\$168,520
						Prop 1 Prop 7	TBD TBD	
FY 2019	0916-35-196	M-211-C7-16	Harbor Bridge Park Improvements	Various Locations		CAT 7	Corpus Christi	\$4,800,000
						Prop 1	TBD	
						Prop 7	TBD	
						CAT 9 - TAP	\$580,000	
FY 2020	0101-04-114	S-227-C7-20	US 181 Ramp Reversals	FM 3239 (Buddy Ganem Dr)	FM 2986 (Wildcat Dr)	CAT 7	TxDOT-CRP	\$4,000,000
	0617-01-177	S-228-C2-20	SH 358 Ramp Reversals	Nile Dr	Staples St	CAT 2	TxDOT-CRP	\$29,610,000
	0916-35-195	P-212-C7-16	Harbor Bridge Hike & Bike - Connectivity	Various Locations		CAT 7	Corpus Christi	\$1,200,000
						Prop 1	TBD	
						Prop 7 CAT 9 - TAP	TBD \$590,000	

NOTE: Shaded areas denote a GROUPED Project Category

Funding Category Types:

CAT 1: Preventive Maintenance and Rehabilitation

CAT 2: Metro Corridor Projects

CAT 7: Metro Mobility & Rehabilitation Projects

CAT 9: Transportation Enhancement Program (TE) and Transportation Alternatives Program (TAP)

Proposition 1 (PROP 1): Effective in 2015, Highway Trust Fund allocations (from gas tax revenues) become available

Proposition 7 (PROP 7): MPO allocations (from formula funds diverted from state general sales, use tax, vehicle sales, and rental tax) become available in FY 2018



[Page intentionally left blank]

Appendix B:
Transit Project Summary List

[Page intentionally left blank]

Appendix C:

MPO Committee Members Contact List

(See Updated – MPO Committee Members Contact List, Page 41)

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

MAY 5, 2016		
Member Agencies	TPC Members	TAC Members
City of Corpus Christi	The Honorable Nelda Martinez Mayor of City of Corpus Christi Vice Chair 1201 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 826-3100	Jeffrey Edmonds, P.E. Director of Engineering Services 1201 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 826-3500
City of Portland	The Honorable David R. Krebs Mayor City of Portland 1902 Billy G. Webb Drive Portland, Texas 78374 Phone: (361) 777-4513	Brian DeLatte, P.E. Portland Assistant City Manager 1902 Billy G. Webb Drive Portland, Texas 78374 Phone: (361) 777-2913
San Patricio County	The Honorable Terry A. Simpson San Patricio County Judge Chair 400 W. Sinton Street #109 Sinton, Texas 78387 Phone: (361) 364-9301	Fred Nardini, Vice Chair San Patricio Precinct 2 Commissioner 900 Austin Street Portland, Texas 78374 Phone: (361) 643-1460
Nueces County	The Honorable Loyd Neal, Jr. Nueces County Judge 901 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 888-0444	Glen R. Sullivan, P.E., Chair Director of Public Works 901 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 888-0485
Port of Corpus Christi Authority	Charles Zahn Port Commission Chairman 222 Power Street Corpus Christi, Texas 78401 Phone: (361) 882-5633	David L. Krams, P.E. Director of Engineering Services 222 Power Street Corpus Christi, Texas 78401 Phone: (361) 885-6153
Corpus Christi Regional Transportation Authority (RTA)	Curtis Rock, P.E. RTA Board Chairman 5658 Bear Lane Corpus Christi, Texas 78405 Phone: (361) 289-2712	Gordon Robinson Director of Planning Services & Development 5658 Bear Lane Corpus Christi, Texas 78405 Phone: (361) 903-3483
Texas Department of Transportation – Corpus Christi District	Chris D. Caron, P.E. District Engineer 1701 S. Padre Island Drive Corpus Christi, Texas 78416 Phone: (361) 808-2500	Paula Sales-Evans, P.E. Director of Transportation Planning & Development 1701 S. Padre Island Drive Corpus Christi, Texas 78416 Phone: (361) 808-2500

[Page intentionally left blank]

Appendix D:
MPO Self-Certification

MPO SELF-CERTIFICATION

In accordance with 23 Code of Federal Regulations (CFR) part 450.334, the Texas Department of Transportation and the Corpus Christi Metropolitan Planning Organization for the Corpus Christi urbanized area(s) hereby certify that the metropolitan transportation planning process is being carried out 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 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU (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.



Chris D. Caron, P.E.
Texas Department of Transportation
Corpus Christi District

District Engineer
Title

May 5, 2016
Date



The Honorable Terry A. Simpson
Metropolitan Planning Organization (MPO)
Transportation Policy Committee
Chairperson

MPO Transportation Policy Committee –
Chairperson
Title

May 5, 2016
Date

[Page intentionally left blank]

Appendix E:
Glossary of Terms

3-C - Continuing, Cooperative, and Comprehensive: planning process.

ADA - Americans with Disabilities Act of 1990: Federal law that requires public facilities (including transportation services) to be accessible to persons with disabilities including those with mental disabilities, temporary disabilities, and the conditions related to substance abuse.

ADT - Average Daily Traffic: The number of vehicles passing a fixed point in a day, averaged over a number of days. The number of count days included in the average varies with the intended use of data.

AMPO - Association of Metropolitan Planning Organizations: Nonprofit membership organization serving the interests of metropolitan planning organizations nationwide.

AVO - Average Vehicle Occupancy: The ratio of person trips to vehicle trips; often used as a criteria in judging the success of trip reduction programs.

AVR - Average Vehicle Ridership: The number of employees scheduled to start work during specified period divided by the number of vehicles arriving at the site during that same period.

CAAA - Clean Air Act Amendments: 1990 amendments to the federal Clean Air Act which classify non-attainment areas and provide for rules dealing with air pollution in such areas; specifically brought transportation decisions into the context of air quality control.

CCRTA - Corpus Christi Regional Transportation Authority: "The B" as it is locally known, is the urban public transportation service provider. Operations began in January 1986 with services to the citizens of the Coastal Bend, including the cities of Agua Dulce, Banquete, Bishop, Corpus Christi, Driscoll, Gregory, Port Aransas, Robstown, and San Patricio City.

CCUAS - Corpus Christi Urban Air Shed: The Corpus Christi metropolitan statistical area, comprised of Nueces and San Patricio Counties are considered an urban airshed in which air emissions from sources in both counties interact to influence the level of ambient air pollution in the community.

CIA - Community Impact Assessment: "A process to evaluate the effects of a transportation action on a community and its quality of life." It is a way to incorporate community considerations into the planning and development of major transportation projects. From a policy perspective, it is a process for assessing the social and economic impacts of transportation projects as required by the National Environmental Policy Act (NEPA). The assessment may address a variety of important community issues such as land development, aesthetics, mobility, neighborhood cohesion, safety, relocation, and economic impacts.

CITY: City of Corpus Christi, TX

CMAQ - Congestion Mitigation and Air Quality Improvement Program: A categorical funding program under ISTEA, which directs funding to projects that contribute to meeting national air quality standards in non-attainment areas for ozone and carbon monoxide.

CMP - Congestion Management Process: A systematic process required for all TMAs that addresses congestion management through the metropolitan planning process that provides for effective management and operation, based on a cooperatively developed and applied metropolitan-wide strategy of new and existing transportation facilities eligible for funding under Title 23 and Chapter 53 of Title 49 through the use of travel demand reduction and operational management strategies. The CMP is required under 23 CFR 500.109 and shall include methods to monitor and evaluate the performance of the multi-modal transportation systems, identify causes of congestion, identify and

evaluate alternative actions, provide information supporting the implementation of actions, and evaluate the efficiency and effectiveness of implementation actions.

CSJ - Control Section Job Number - TxDOT assigned number for projects entered into the Project Development Program (PDP).

DOT - Department of Transportation: Agency responsible for transportation at the local, state, or federal level. For title 23 U.S.C. federal-aid highway actions, this would mean the Federal Highway Administration and for federal-aid transit actions under title 49 U.S.C, this would mean the Federal Transit Administration.

EIS - Environmental Impact Statement: A National Environmental Policy Act (NEPA) document that explains the purpose and need for a project, presents project alternatives, analyzes the likely impact of each, explains the choice of a preferred alternative, and finally details measures to be taken in order to mitigate the impacts of the preferred alternative.

Environmental Justice: Describes the impact of transportation plans or projects, either positive or negative, on a particular community or population. Derived from Title VI of the Civil Rights Act of 1964. Environmental Justice strives to ensure public involvement of low income and minority groups in decision making, to prevent disproportionately high and adverse impacts on low income and minority groups, and to assure that these groups receive equal benefits from transportation improvements.

EPA: U.S. Environmental Protection Agency

ETJ: Extraterritorial Jurisdiction: Geographic area subject to urban municipality ordinance and platting requirements.

FHPP - Federal High Priority Projects: Discretionary projects earmarked by the U.S. Congress as high priorities at the federal level during the Congressional appropriations and reauthorization process. This amounts to roughly 5% of the total transportation budget.

FHWA - Federal Highway Administration: U.S. Department of Transportation - Division responsible for administering federal highway transportation programs under title 23 U.S.C.

Fiscal Constraint: A requirement, originally of ISTEA, that all plans be financially – constrained, balanced expenditures to reasonably expected sources of funding over the period of the TIP or Long-Range Transportation Plan.

FTA - Federal Transit Administration: Federal entity responsible for transit planning and programs under title 49 U.S.C.

Funding Category - The Texas Transportation Commission (Commission) and TxDOT use the UTP as TxDOT's ten year plan to guide transportation project development and construction. The UTP has two major components: Preservation & Safety and Mobility

F. CLASS - Functional Classification: Functional classification is the process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide. Basic to this process is the recognition that individual roads and streets do not serve travel independently in any major way. Rather, most travel involves movement through a network of roads. It becomes necessary then to determine how this travel can be channelized within the network in a logical and efficient manner. Functional classification defines the nature of this channelization process by defining the part that any particular road or street should play in serving the flow of trips through a highway network.

FY - Fiscal Year: A federal fiscal or budget year; runs from October 1 through September 30 for the MPO and the federal government.

HOV - High Occupancy Vehicle: In Texas, vehicles carrying two (2) or more people receive this designation and may travel on freeways, expressways and other large volume roads in lanes designated for high occupancy vehicles.

IMS - Incident Management System: A systematic process required under SAFETEA-LU to provide information on accidents and identify causes and improvements to the Transportation system to increase safety of all users.

Intergovernmental Agreement: Legal instrument describing tasks to be accomplished and/or funds to be paid between government agencies.

ISTEA - Intermodal Surface Transportation Efficiency Act of 1991: Federal law which restructured transportation planning and funding by requiring consideration of multimodal solutions, emphasis on the movement of people and goods as opposed to traditional highway investments, flexibility in the use of transportation funds, a greater role of MPOs, and a greater emphasis on public participation.

ITE - Institute of Transportation Engineers: An international society of professionals in transportation and traffic engineering; publishes Trip Generation (a manual of trip generation rates by land use type).

ITS - Intelligent Transportation System: Use of computer and communications technology to facilitate the flow of information between travelers and system operators to improve mobility and transportation productivity, enhance safety, maximize the use of existing transportation facilities, conserve energy resources and reduce adverse environmental effects; includes concepts such as “freeway management systems,” “automated fare collection” and “transit information kiosks.”

LEP - Limited English Proficiency: Clarifies the responsibilities of recipients of federal financial assistance and assist them in fulfilling their responsibilities to LEP persons, pursuant to Title VI of the Civil Rights Act of 1964 and its implementing regulations.

LOS - Level of Service: A qualitative assessment of a road’s operating condition, generally described using a scale of A (little congestion) to E/F (severe congestion).

MAP-21 - Moving Ahead for Progress in the 21st Century Act: Enacted July 6, 2012, the federal law creates a streamlined and performance-based surface transportation program and builds on highway, transit, bike, and pedestrian programs and policies established in 1991.

MAB - Metropolitan Area Boundary: Encompass the entire existing urbanized area and the contiguous area expected to become urbanized within a 20-year forecast period for the metropolitan transportation plan.

MG - Minimum Guarantee: A funding category created in TEA-21 that guarantees a 90% return of contributions on formula funds to every state.

Mobility: funding category of the UTP includes projects that add capacity to the transportation system. Categories are : **CAT 2:** Metropolitan and Urban Area Corridor Projects; **CAT 3:** Non-Traditionally Funded Transportation Projects; **CAT 4:** Statewide Connectivity Corridor Projects; **CAT 5:** Congestion Mitigation and Air Quality Improvement; **CAT 7:** Metropolitan Mobility and Rehabilitation; **CAT 9:** Transportation Enhancements; **CAT 10:** Supplemental Transportation Projects; **CAT 11:** District Discretionary; **CAT 12:** Strategic Priority

MPO - Metropolitan Planning Organization: The forum for cooperative transportation decision-making; required for urbanized areas with populations over 50,000.

MTP - Metropolitan Transportation Plan: 25- year forecast required of MPOs and state planning agencies; considers a range of social, environmental, energy, and economic factors in determining overall regional goals and how transportation can best meet these goals

NAAQS: National Ambient Air Quality Standards

NHS - National Highway System: Specific major roads to be designated September 30, 1995; the NHS will consist of 155,000 (plus or minus 15%) miles of road and represents one category of roads eligible for federal funds under ISTEA.

Officials: Are people who have governmental decision-making, planning or administrative responsibilities that relate to MPO activities.

PHASE: Project phase for federal funding - **E:** Preliminary Engineering; **R:** Right of Way Acquisition; **C:** Construction; **T:** Transfer

PMS - Pavement Management System: A systematic process utilized by state agencies and MPOs to analyze and summarize pavement information for use in selecting and implementing cost-effective pavement construction, rehabilitation, and maintenance programs; required for roads in the National Highway System as a part of ISTEA; the extent to which the remaining public roads are included in the process is left to the discretion of state and local officials; criteria found in 23 CFR 500.021-209.

Preservation & Safety: funding category of the UTP includes maintenance and rehabilitation projects to maintain the existing transportation system and to improve certain safety aspects. Categories are: **CAT 1:** Preventive Maintenance and Rehabilitation; **CAT 6:** Structures Replacement and Rehabilitation (Bridges); **CAT 8:** Safety

PROJ ID - Project Identification: Identification number assigned by the MPO for local tracking and identification. Used to relate projects to the MTP.

PTMS - Public Transportation Facilities and Equipment Management System: A systematic process utilized by state agencies and MPOs to collect and analyze information on the condition and cost of transit assets on a continual basis; data is to be used to help people choose cost effective strategies for providing and keeping transit facilities and equipment in good condition; process must be developed in Transportation Management Areas (TMAs); the use of CMS in non-TMAs is left to the discretion of state and local officials.

PPP - Public Participation Plan: Is an integral part of a planning or major decision-making process. It provides opportunities for the public to be involved with the MPO in an exchange of data and ideas. Citizen participation offers an open process in which the rights of the community, to be informed to provide comments to the Government and to receive a response from the Government, are met through a full opportunity to be involved and to express needs and goals.

Public: Includes citizens, public agencies, advocacy groups and the private sectors that have an interest in or may be affected by MPO activities.

RCAT - RTA Committee on Accessible Transportation: Members act as ambassadors on transportation ridership issues related to transportation disadvantaged riders and services.

ROW - Right-of-Way: Real property that is used for transportation purposes; defines the extent of the corridor that can be used for the road and associated drainage.

RTDM - Regional Travel Demand Model: This is a tool for forecasting impacts of urban developments on travel patterns as well as testing various transportation alternative solutions to traffic patterns. The travel patterns are determined from US census results and in simple terms tell where residents

live and where they go to work or school on a regional wide basis.

SAFETEA-LU - Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users - legislation enacted August 10, 2005, as Public Law 109-59. SAFETEA-LU authorizes the Federal surface transportation programs for highways, highway safety, and transit for the 5-year period 2005-2009.

SIB - State Infrastructure Bank: Method of financing large capital projects by taking advantage of borrowing against future state revenues.

SMP - Statewide Mobility Plan: TxDOT's 10 year plan for adding capacity to the system by using the Mobility Category Funds of Federal and State Transportation funding.

Sponsoring Agencies: Organizations or governmental units, which enter into agreements with the MPO to undertake transportation related activities

SPP - Statewide Preservation Plan: TxDOT's 10 year plan for maintaining the system using the preservation categories of Federal and State Transportation funding.

STIP - State Transportation Improvement Program: The TxDOT Five Year Work Program as prescribed by federal law.

TAC - Technical Advisory Committee: A standing committee of most metropolitan planning organizations (MPOs); function is to provide advice on plans or actions of the MPO from planners, engineers and other staff members (not general citizens).

TCEQ: Texas Commission on Environmental Quality

TCI - Texas Congestion Index: An index to measure the magnitude of congestion in a single performance measure across the state. The index measures the mobility of people and goods in each Texas metropolitan area, with attention to the delay time experienced by drivers.

TEA-21 - Transportation Equity Act for the 21st Century: Federal Legislation authorizing funds for all modes of transportation and guidelines on the use of those funds. Successor to ISTEA, the landmark legislation that clarified the role of the MPOs in the local priority setting process. TEA-21 emphasizes increased public involvement, simplicity, flexibility, fairness, and higher funding levels for transportation.

TIP - Transportation Improvement Program: A priority list of transportation projects developed by a metropolitan planning organization that is to be carried out within the four (4) year period following its adoption; must include documentation of federal and state funding sources for each project and be consistent with adopted MPO long range transportation plans and local government comprehensive plans.

Title VI - Civil Rights Act: As a recipient of federal funds, the MPO ensures that no person shall, on the grounds of race, religion, color, national origin, sex, age, or disability be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any agency programs or activities.

TMA - Transportation Management Area: An area designated by the U.S. Department of Transportation given to all urbanized areas with a population over 200,000 (or other area when requested by the Governor and MPO); these areas must comply with special transportation planning requirements regarding congestion management systems, project selection and certification; requirements identified in 23 CFR - 450.300-33.6.

TMMP - Texas Metropolitan Mobility Plan: This is a state based requirement intended to serve as a framework for identifying unmet transportation needs in the state's larger metropolitan areas. The

TMMP is a needs-based plan which quantifies transportation needs beyond the fiscal constraint barrier.

TPC - Transportation Policy Committee: Committee created for the purpose of serving as spokespersons for the citizens of the metropolitan area and is the designated MPO to prioritize and direct federal transportation funds to local projects. TPC is comprised of elected officials from the cities and two counties in the urbanized area. TPC representatives include TXDOT, RTA, and Port Authority. TPC is responsible for creating policies regarding transportation planning issues. TPC meetings, open to the public, is where members of the public can address the MPO on transportation issues. TPC meets on the first Thursday of each month at 1:30 P.M. at the Corpus Christi City Hall, City Council Chambers.

Transportation Disadvantaged: People who are unable to transport themselves or to purchase transportation due to disability, income status or age.

Transportation Enhancements: Specific activities which can be funded with Surface Transportation Program (STP) funds; activities include pedestrian/bicycle facilities, acquisition of scenic easements and scenic historic sites, scenic or historic highway programs, scenic beautification, historic preservation, rehabilitation/operation of historic transportation structures, railway corridor preservation, control/removal of outdoor advertising, archeological planning/research and mitigation of highway runoff water pollution.

TSM - Transportation Systems Management: Strategies to improve the efficiency of the transportation system through operational improvements such as the use of bus priority or reserved lanes, signalization, access management, turn restrictions, etc.

TTI - Texas Transportation Institute: A legislatively created research center, located at Texas A & M University, whose purpose is to conduct and facilitate research and serve as an information exchange on issues related to urban transportation problems in Texas.

TxDOT - Texas Department of Transportation: State agency responsible for transportation issues in Texas.

UAB - Urbanized Area Boundary: A Census-designated area consisting of a central core and adjacent densely settled territory with populations of 50,000 residents or more.

UPWP - Unified Planning Work Program: Developed by MPOs to identify transportation and planning activities anticipated within the next one to two years, including a schedule for the completion of the identified tasks and activities.

UTP - Unified Transportation Plan: This is the state's 10 year Transportation Plan with the first 10 years programmed and the second 15 years of projects under design. This document has two parts. The two parts are: The SMP and SPP respectively.

V/C Ratio Volume over Capacity Ratio: This is a roadway performance measure to show how a highway volume compares with a highway's capacity.

VMT - Vehicle Miles Traveled: This is an output of the travel demand model and is a measure of traffic flow over a highway segment. While 1000 vehicles traveling over a mile road and 1 vehicle traveling over 1000 miles are mathematically equal only the former 1000 vehicle mile means anything to the transportation planner.

V. AMENDMENTS



AUGUST 2017 Amendment Summary

The **2015-2040 Metropolitan Transportation Plan (MTP)**, the MPO’s fiscally reasonable, long-range plan, and **FY 2017-2020 Transportation Improvement Program (TIP)**, the MPO’s fiscally-constrained, four-year plan, were amended to reflect the changing needs of the area during the AUGUST 2017 Quarterly Amendment cycle.

The August 2017 Amendment to the **FY 2017-2020 TIP** includes project refinements to:

- Project limits
- Project Descriptions
- Year of expenditure (YOE) cost estimates
- Identification of funding source and
- Improved project organization to provide transparency and ease of use for tracking a specific project

Per its Public Participation Plan, the MPO solicited public input by way of telephone, written form, or in person at the MPO offices or during the June 22, 2017 Technical Advisory Committee (TAC) meeting. Public Notices were posted at member agency public locations, social media (MPO website, Facebook, and Twitter) and were published in the legal section of the Corpus Christi Caller-Times on June 4, 2017.

The following table lists TIP project changes made and approved by the MPO Transportation Policy Committee during the July 6, 2017 Meeting.

Definitions:

- **Description:** Identifies the project improvements proposed
- **Funding:** Identifies the expected/anticipated funding source/category
- **Limits:** Identifies the project’s start and end locations
- **New Project:** Project added to the MTP project list
- **TIP Year:** Project letting is anticipated within the TIP four-year planning window
- **Year of Expenditure:** Anticipated cost of the project in the year it is let

TYPE of Project Change	# of Projects	MPO Project Identification Number		
No Change	1	B-225-C9-18		
Description	2	B-218-C9-16	B-219-C9-16	
Limits/Description	3	P-212 -C7-16 (G)	F-214-C7-15 (G)	B-226-C9-18
Limits/YOE/Description	2	SO87CO294A (G)		B-215-C9-16
New Projects	11	235-17	237-17	278-17 (G)
TIP/Limits/Description	5	B-222-C9-17 B-223-C9-17	S154C0112 (G) S154OM112	M-211-C7-16 (G)
TIP/Funding/ Description	4	233-17 S-227-C7-20 (G)	234-17	S088CO899
TIP/Project name/Limits/ Funding/Description	1	S-224-P1-17		

[Page intentionally left blank]

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

2015 - 2040 Metropolitan Transportation Plan (MTP)
AUGUST 2017 Amendment

FY 2017 - 2020 TR Projects	CSB	MPO ID#	Project Name	Description	From	To	Project Sponsor	Project Type: On / Off	Funding Source	Anticipated Car 2 Metro Expenditure	Anticipated Car 3(C) Connectivity/Connector Expenditure	Anticipated Car 5TP Mkt Expenditure	Anticipated Car 9 Transportation Alternatives Expenditure	Other State & Local Funds	Federal Funds	States Funds	Local Funds	YOE Cost (M)	Total Project Cost (M)(M)
2017	0916-35-200	B-218-C5-16	Schwann Street Hike & Bike Trail	Construct Hike and Bike Trail	Along Schwann Street Streetside Blvd	Kilbuck	Corpus Christi	Off	Cat 9				\$0.83		\$6.50	\$0.13	\$0.13	\$0.63	\$0.75
2017	0916-35-201	B-219-C5-16	Dr Hector P Garcia Park Hike & Bike Trail	Construct Hike and Bike Trail	At Garcia Park on Streetside Blvd		Corpus Christi	Off	Cat 9				\$0.83		\$6.26	\$0.07	\$0.33	\$0.39	\$0.39
2017	0916-35-205	F-214-C7-15	Strategic Integration (TI) Feasibility Study	Strategic Integration (TI) incorporating land use & public transit mode split	Various locations in Corpus Christi		Corpus Christi	Off	Cat 7			\$0.66			\$6.37	\$0.06	\$0.56	\$0.56	\$0.56
2017	0916-38-466	B-215-C5-16	Alvin Dr Pedestrian & Bike Facility	Construct Hike & Bike Trail	On Alvin Dr from Ling Rd.	Widland	Portland	Off	Cat 9				\$0.83		\$6.34	\$0.09	\$0.43	\$0.51	\$0.51
2017	0617-01-179	S087C0284A	SP 158 (BPO) Jump Barriers	Ramp repairs Phase II-A - south side only	Nile	Ayres	TxDOT	On	Cat 2	\$47.70					\$4.16	\$8.54	\$0.70	\$50.14	\$50.14
2018	0916-00-663	S154C03-12	Pedestrian & Bike	Pedestrian and bike facility improvements	At various locations in Remondino St.		Corpus Christi	On	Cat 7		\$1.20				\$6.96	\$0.24	\$1.20	\$1.42	\$1.42
2018	0916-35-206	B-222-C5-17	Region-wide Area Based Wayfinding Initiative	Designation of key landmarks with passive wayfinding and signage	Various locations in Corpus Christi &		Corpus Christi	Off	Cat 9				\$0.82		\$6.42	\$0.10	\$0.52	\$0.62	\$0.62
2018	0916-28-469	B-223-C5-17	Portland Bicycle Lanes	Construct one way cycle track and buffered bicycle lanes	At various locations in On Spur 3 (From Spiller) from SH 158.		Portland	Off	Cat 9				\$0.85		\$6.28	\$0.07	\$0.35	\$0.41	\$0.41
2018	0916-00-667	S155D005122	Roadway Operation & Maintenance	Upgrade/install traffic signals and add right turn lane at Robinson Way	On Spur 3 (From Spiller) from SH 158.	Sand Dollar Blvd.	TxDOT	On	Cat 7		\$1.03				\$6.82	\$0.21	\$0.23	\$1.23	\$1.22
2018	0916-35-207	B-235-C5-18	S&K Shelter and Crossing Program	Mark signal at Ocean Dr and Del Mar	On Ocean Dr	At Del Mar Blvd	Corpus Christi	Off	Cat 9				\$0.15		\$6.13	\$0.03	\$0.16	\$0.19	\$0.19
2018	0916-28-479	B-236-C5-18	Memorial Pkwy Hike & Bike Phase II	Construct Hike & Bike Trail	On Memorial Pkwy from FM 2586 (Widlat Dr)	Billy G. Wash Dr	Portland	Off	Cat 9				\$0.41		\$6.27	\$0.07	\$0.34	\$0.40	\$0.40
2018	0102-04-697	S-234-P3-17	US 181: Overhead Improvements	Construct auxiliary lanes and ramp reversals to existing 4-lane freeway	Surmet Rd	FM 2329 (Buddy Gorman)	TxDOT	On	Other (Prep 3)	\$10.90					\$6.56	\$10.40	\$0.90	\$12.90	\$12.90
2018	0102-01-688	S088C0689	SH 14	Upgrade from 4-lane divided to 4-lane freeway w/frontage rd by constructing 4 mainlanes, interchanges, and frontage roads	West of FM 3386	East of FM 2661	TxDOT	On	Cat 2 / Cat 11(a) / Other (Cat 12)	\$6.00					\$14.89	\$3.70	\$28.59	\$31.89	\$31.89
2018	3008-01-628	239-17	FM 2986 (Widlat Dr)	Upgrade from 2-lane to 5-lane urban rd by constructing additional lanes and CTL	US 181	FM 2329 (Buddy Gorman Dr)	TxDOT	On	Cat 2 / Other (Cat 1)	\$10.00					\$9.60	\$2.40	\$1.50	\$13.50	\$15.98
2018	0101-09-112	239-17	US 181	Construct Grade Separation over 4-lane rd by building 4 in divided mainlanes at existing grade intersection	On US 181 at SH 15 Intersection		TxDOT	On	Cat 11(a) / Other (Cat 12 & Cat 13)		\$21.50				\$29.20	\$7.30	\$36.50	\$43.20	\$43.20
2019	0101-06-111	239-17	US 181 Harbor Bridge Voluntary Relocation Program - MPO First Installation	US 181 Harbor Bridge Voluntary Relocation Mitigation Program Acquisition and Rehabilitation Assistance	Berch Avenue	McCombs Avenue at Crestovale Express	MPO	Off	Cat 7 / Other (IL & ROW)	\$15.00		\$15.00		\$20.01	\$19.09	\$3.01	\$0.00	\$35.01	\$35.01
2020	0102-04-114	S-237-C7-20	US 181: Ramp Reversals	Reverse entrance and exit ramps in Northbound direction	FM 3272 (Buddy Gorman Dr)	FM 2866 (Widlat Dr)	TxDOT	Off	Cat 2	\$4.00					\$3.20	\$0.80	\$4.00	\$4.00	\$4.73
2020	0916-35-184	B-211-C7-16	Harbor Bridge Park Improvements	Park mitigation for Harbor Bridge	At various points in Harbor location	Ben Grays, TC Arms & Harbor location	Corpus Christi	Off	Cat 7 / Other (Cat 4)	\$1.30					\$1.04	\$3.76	\$4.80	\$5.68	\$5.68
2020	0916-35-195	P-232-C7-16	Harbor Bridge Hike & Bike - Connectivity	Construct pedestrian and bike facilities	On various city st. from Collier HS	Williams Memorial Park	Corpus Christi	Off	Cat 7		\$1.20				\$6.96	\$0.24	\$1.20	\$1.42	\$1.42
2020	3200-01-610	238-17	FM 883 (Moore Ave)	Upgrade from 2-lane rd to 5-lane urban rd by constructing additional lanes and CTL	CR 1688 (Moore Ave)	0.2 mi. W of CR 78 (Hwy 1688)	TxDOT	On	Cat 2 / Other (Cat 1)	\$5.00					\$5.60	\$1.40	\$7.00	\$8.28	\$8.28
2020	0974-06-241	238-17	I 37	Widen freeway by constructing additional travel lanes NB & S additional travel lanes SB	Rehder Ln (Overpass)	Nueces River	TxDOT	On	Cat 2 / Cat 11(a) / Other (Cat 12)	\$10.00	\$10.00			\$15.00	\$26.00	\$7.00	\$35.00	\$41.42	\$41.42
										\$78.20	\$37.50	\$26.18	\$2.76	\$77.91	\$145.42	\$44.15	\$66.59	\$21.56	\$217.51

FY 2017-2020 TR Projects: \$78.20 \$37.50 \$26.18 \$2.76 \$77.91 \$145.42 \$44.15 \$66.59 \$21.56 \$217.51

GREY SHADE indicates Grouped Transportation Improvement Program (TIP) Projects
 YELLOW SHADE indicates Anticipated Funding by category, informational - not used to calculate YOE cost
 BLUE SHADE indicates Anticipated Funding by source - used in calculation of YOE Cost

Category 2: Metropolitan (TMA) & Urbanized (Non-TMA) Corridor Funding; distributed thru TxDOT Unified Transportation Program (UTP)
 Category 4(a): Statewide Connectivity (Congestion) Corridor Projects - project specific allocation
 Category 7: Metropolitan Mobility & Rehabilitation - distributed thru TxDOT Unified Transportation Program (UTP)
 Category 9: Transportation Alternatives Program (TAP) - distributed thru TxDOT Unified Transportation Program (UTP)
 Other State & Local Funds: project specific; includes Category 1-Preventive Maintenance & Rehabilitation, Category 3-Local Funds, Category 12-Strategic Priority, State Proposition 1 Bond, etc.

[Page intentionally left blank]

FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

UPDATED AUGUST 2017		
Member Agencies	TPC Members	TAC Members
San Patricio County	The Honorable Terry A. Simpson San Patricio County Judge, Chair 400 W. Sinton Street #109 Sinton, Texas 78387 Phone: (361) 364-9301	Howard Gillespie San Patricio Precinct 4 Commissioner 3141 FM 3512 Aransas Pass, Texas 78336 Phone: (361) 758-5276
Port of Corpus Christi Authority	Charles Zahn, Vice Chair Port Commission Chairman 222 Power Street Corpus Christi, Texas 78401 Phone: (361) 882-5633	David L. Krams, P.E. Director of Engineering Services 222 Power Street Corpus Christi, Texas 78401 Phone: (361) 885-6153
City of Portland	The Honorable David R. Krebs Mayor City of Portland 1902 Billy G. Webb Drive Portland, Texas 78374 Phone: (361) 777-4513	Brian DeLatte, P.E., Vice Chair Portland Assistant City Manager 1902 Billy G. Webb Drive Portland, Texas 78374 Phone: (361) 777-2913
City of Corpus Christi	The Honorable Joe McComb Mayor of City of Corpus Christi 1201 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 826-3100	Jeffrey Edmonds, P.E. Director of Engineering Services 1201 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 826-3500
Nueces County	The Honorable Loyd Neal, Jr. Nueces County Judge 901 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 888-0444	Glen R. Sullivan, P.E., Chair Director of Public Works 901 Leopard Street Corpus Christi, Texas 78401 Phone: (361) 888-0490
Corpus Christi Regional Transportation Authority (CCRTA)	Curtis Rock CCRTA Board Chairman 5658 Bear Lane Corpus Christi, Texas 78405 Phone: (361) 289-2712	Gordon Robinson Director of Planning Services 602 N. Staples Street, Corpus Christi, Texas 78401 Phone: (361) 903-3483
Texas Department of Transportation – Corpus Christi District	Chris D. Caron, P.E. District Engineer 1701 S. Padre Island Drive Corpus Christi, Texas 78416 Phone: (361) 808-2500	Paula Sales-Evans, P.E. Director of Transportation Planning & Development 1701 S. Padre Island Drive Corpus Christi, Texas 78416 Phone: (361) 808-2500