



TECHNICAL ADVISORY COMMITTEE (TAC)
REGULAR MEETING AGENDA PACKET

9:00 A.M., Thursday, August 15, 2019
Corpus Christi Regional Transportation Authority (CCRTA)
Staples Street Center, 2nd Floor Boardroom
602 N. Staples St., Suite 210, Corpus Christi, Texas 78401

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Constrained Project List for MPO Funding

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Initial Project Ranking

ITEM #7 – 2020-2045 MTP Development Working Schedule Monthly Update

ITEM #8A – Union Pacific Operations and Projects in the Coastal Bend Region





TECHNICAL ADVISORY COMMITTEE (TAC) REGULAR MEETING AGENDA

Thursday, August 15, 2019 - 9:00 a.m.

Location: Corpus Christi Regional Transportation Authority (CCRTA)
602 N. Staples Street, Suite 210, Corpus Christi, TX 78401

1. Call to Order, Roll Call, and Quorum Determination

2. Introduction of Visiting Agency Officials

3. Public Comments for Items not on the Agenda

Opportunity for public comments for items not on the Agenda and within the Committee's jurisdiction (except in matters related to pending litigation). Proceedings are recorded. We ask that remarks be limited to three minutes, that you identify yourself, and give your address. Please complete speaker sign-up card.

4. Approval of July 18, 2019 TAC Meeting Minutes ☒

5. Information Only

- A. 2020-2045 Metropolitan Transportation Plan (MTP) DRAFT Fiscally Constrained Project List for MPO Funding** ☒

6. Discussion and Possible Action

- A. 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking** ☒
Action: Review, Discuss and Recommend

7. 2020-2045 MTP Development Working Schedule Monthly Update ☒

8. Freight Topic

- A. Union Pacific Operations and Projects in the Coastal Bend Region** ☒
Action: Information Only

9. Member Agency Statements for Items of Interest: Projects, Events and Activities

10. Upcoming Meetings:

- | | | |
|--|---------------------------|---------------------|
| A. Transportation Policy Committee: | Regular Meeting: | *September 5, 2019 |
| B. Technical Advisory Committee: | Workshop: Project Funding | September TBD, 2019 |
| C. Technical Advisory Committee: | Regular Meeting: | September 19, 2019 |
- *Transportation Policy Committee meeting will be held at Portland City Hall.

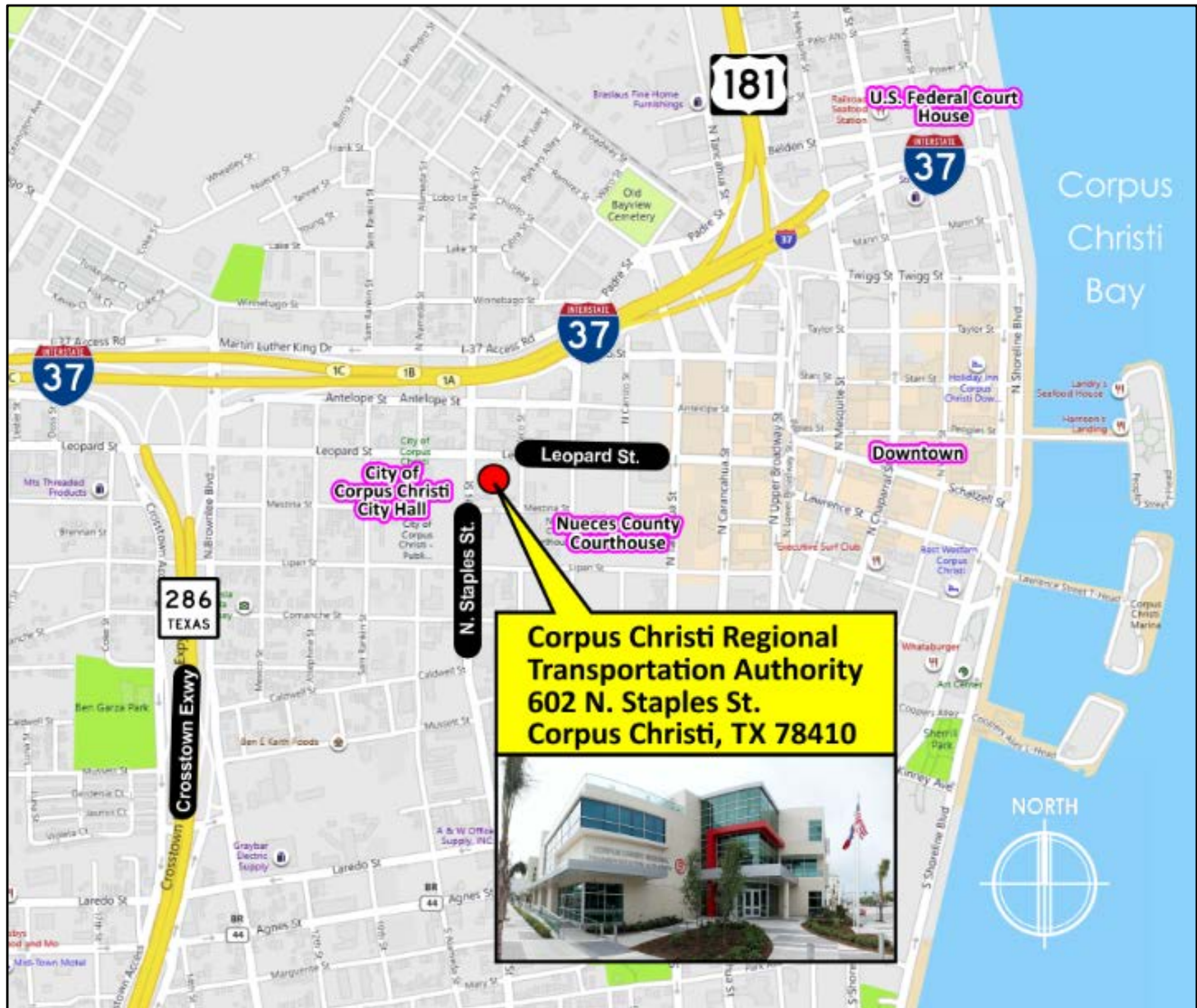
11. TAC Member Comments

12. Adjourn

☒ - Indicates attachment(s) for the agenda item.

PUBLIC MEETING NOTIFICATION

All MPO Committee meetings are public meetings and open to the public. Any persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact the MPO at (361) 884-0687 at least 48 hours in advance so that appropriate arrangements can be made.



MEETING LOCATION MAP

ATTACHMENT

July 18, 2019 TAC Meeting Minutes

**CORPUS CHRISTI METROPOLITAN PLANNING ORGANIZATION (MPO)
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING MINUTES
Thursday, July 18, 2019**

1. Call to Order, Roll Call, and Quorum determination

Mr. Brian DeLatte called the meeting to order at 9:00 a.m.

TAC Members Present:

Brian DeLatte, P.E., City of Portland

Gordon Robinson, PMP, CCRTA

Sarah Munoz, P.E., City of Corpus Christi

Paula Sales-Evans, P.E., TxDOT-CRP

Jeff Pollack, AICP, Port of Corpus Christi (9:03 a.m.)

Juan Pimentel, P.E., Nueces County (9:40 a.m.)

Richard Bullock, Coastal Bend Council of Government

MPO Staff Present: Rob MacDonald, P.E.; Daniel Carrizales; Victor Mendieta; and Yoshiko Boulan

2. Introduction of visiting agency officials

Ms. Debra Barrett, Mr. Roy Heistermann, Mr. Steve Elliott, and Mr. Michael Vanecek, representing San Patricio County Drainage District (SPCDD)

3. Public Comments for Items not on the agenda

Mr. DeLatte asked for public comments for items not on the agenda.

Ms. Debra Barrett from Edroy, Texas spoke regarding the need for a drainage project in San Patricio County and requested this project be added to Corpus Christi MPO's 2020-2045 Metropolitan Transportation plan (MTP). Mr. Heistermann, a consultant for the SPCDD explained that there are flooding issues in the Portland/Gregory area and they have been working on a conceptual design for the Gregory Bypass Drainage Channel/Gregory Flood Relief Project to divert water past US 181 to the existing ditch to prevent floods in the area. The SPCDD has secured funding for the portion of the project downstream of Green Lake, but they need approximately \$7 million to build the crossing of US 181. The SPCDD has been discussing this project with San Patricio County, TxDOT Corpus Christi District, and the Corpus Christi MPO.

Mr. DeLatte thanked Ms. Barrett for the public comment.

4. Approval of June 20, 2019 TAC meeting minutes

Mr. Robinson made a motion to approve the June 20, 2019 TAC Meeting Minutes. Ms. Sales-Evans seconded; motion passed unanimously.

5. Discussion and Possible Action

A. 2020-2045 Metropolitan Transportation Plan (MTP) DRAFT Air Quality Conformity Chapter

The 2020-2045 MTP DRAFT Air Quality Conformity Chapter was distributed to TAC members for a 2nd review. Mr. MacDonald stated that if TAC members agree to recommend this chapter to the Transportation Policy Committee (TPC), it will be submitted at the August 1, 2019 TPC meeting for approval. Mr. MacDonald informed the TAC members that this chapter was initially reviewed by TPC and the TPC suggested that MPO staff reach out to the Texas Commission of Environmental Quality (TCEQ) for their review.

Mr. Pollack commented that the vigilant regional efforts to support the air quality activities to maintain the Air Quality standards should be inserted into this chapter. Mr. MacDonald stated that this action item is for a recommendation of the Air Quality Conformity chapter of the 2020-2045 MTP. The TAC will be able to provide language suggestions to revise this chapter in the future during the recommendation of the entire 2020-2045 MTP scheduled for November 2019. Mr. MacDonald encouraged continuous review and comment of each chapter by TAC members before the final recommendation of 2020-2045 MTP during the November TAC meeting.

Mr. Pollack motioned to recommend the 2020-2045 Metropolitan Transportation Plan (MTP) DRAFT Air Quality Conformity Chapter. Ms. Munoz seconded; motion passed unanimously.

B. 2020 – 2045 MTP DRAFT Unconstrained Project List for MPO Funding

The 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding was distributed to TAC members. This list has been revised with additional projects submitted by partner entities and ranked by the approved 2020-2045 MTP Project Prioritization Methodology and Performance Measures. This list includes all projects funded or expected to be funded by the Corpus Christi MPO's funding in 2020-2045 period. Some projects are already committed and would be removed from this list since they are under contract or construction. Mr. MacDonald stated that the Corpus Christi MPO's objectives today are to receive the TAC's recommendation on the project list and if possible, to comment on the project ranking using the technical score and the TAC members professional judgement. Either or both recommendations would be submitted to the TPC for approval at their August 1, 2019 meeting. Once the list of projects are ranked, the MPO staff would begin the process to apply funding to the projects and engage the TAC and TPC in the process through workshops and meetings.

Ms. Sales-Evans suggested to make the project list complete by adding the project suggested by the SPCDD as "US 181 additional drainage crossing" and using an appropriate project description.

Mr. DeLatte inquired how this drainage project can move forward since the flooding issue is critical to the Gregory -Portland area. Ms. Sales-Evans stated that it may be possible that if some funds become available that (1) a change-order could be created within the current US 181 at SH 35 interchange project contract, or (2) to amend the US 181 project in the FY 2019-2022 Transportation Improvement Program (TIP) with possible additional funding from Category 7 allocations. Changing the work order of the current US 181 project is technically possible, however is exceedingly difficult because the program description and funding (Category 4 & 12) in TxDOT's Unified Transportation Plan (UTP) has been approved by the Texas Transportation Commission. Typically, it is very difficult to change or modify a project once it is programmed in annual UTP. Also, there is no additional TxDOT District funding available to handle drainage as a stand-alone project since District funding is designated for transportation improvements; however, Category 7 funding is relatively flexible for various kind of improvements.

Mr. MacDonald suggested to name the project the "US 181 Companion Drainage Project" to relate it to the transportation project and add it in the 2020-2045 MTP project list as a first step toward moving the project forward.

Mr. MacDonald provided the TAC members with the DRAFT Corpus Christi MPO 2020-2045 MTP Resource Allocation Table. This will serve as a reference for overall funding of projects after ranking is complete. The table illustrates the Statewide Funding Authorization, TxDOT-CRP funding, Corpus Christi MPO funding based on the draft 2020 UTP. Corpus Christi MPO's projected funding amount for the next 25-year period is \$614,175,000. Mr. DeLatte asked if the Corpus Christi MPO's 10-year funding of \$245,670,000 is consistently apportioned annually. Mr. MacDonald answered it is usually consistent except for the strategic priority or discretionary funding that is used for special projects such as the new Harbor Bridge. The table shows that the projected 25-year funding of approximately \$615 million and a current total estimated project cost of \$711 million for the 2020-2045 DRAFT Unconstrained Project List, are close. This overall cost comparison is only the first step in the resource allocation process. Project cost estimates need to be refined and updated. The allocation of funding from Categories (1-12) need to be applied to those projects eligible for those restricted funds by category.

Ms. Sales-Evans made a motion to include the US 181 Companion Drainage Project in the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding. Mr. Pollack seconded; motion passed unanimously.

Ms. Sales-Evans inquired that if there are opportunities to add/remove projects from the 2020-2045 MTP Unconstrained Project List for MPO Funding once this list is recommended by TAC to TPC for approval.

Ms. Munoz stated that the City of Corpus Christi is currently undergoing a major planning evaluation and needs time to finalize their project submittals. Mr. MacDonald answered that this list will continue to be a working document and until the final approval and adoption, there are opportunities to modify; however, the deadline to approve the entire 2020-2045 MTP is December 2019.

Mr. Pollack commented that the Regional Parkway project segments should be separated and considered as individual construction projects. Further, the NEPA process for each segment should be listed individually and independently from construction. Mr. MacDonald commented that the Regional Parkway could be treated as a single project in a 25-year long-range plan with, the phasing considered when the project is placed in the short-range planning TIP document. Mr. Pollack stated that the relative priority of each segment is highly variable, and the Regional Parkway Feasibility Study completed in 2013 recommended to treat each seven segments as an individual project to get the maximum flexibility for funding and prioritization.

Ms. Munoz commented that the Regional Parkway is a very important project for the City of Corpus Christi, and the City has been discussing to move this project forward within 5 years.

Mr. DeLatte stated that the Regional Parkway project involves multiple entities and it is important to know the Federal Highway Administration (FHWA)'s requirements and objectives and the positions of involved entities regarding this project.

Mr. Gil Hernandez, Corpus Christi City Council District 5, made a public comment that the new Del Mar College Southside Campus at Rodd Field Road and Yorktown Boulevard is expected to bring a considerable traffic increase around the area, and the Rodd Field Road extension is a part of Regional Parkway project as Segment B. He supports segmentation of the Regional Parkway Project by priority, so the phases of the project can move forward, and requested the TAC give a high priority to the Rodd Field Road extension project.

The segmentation of Regional Parkway needs to be further discussed in the separate workshop as well as updating the descriptions and cost estimates of each project listed in the 2020-2045 MTP.

Ms. Sales-Evans made a motion to recommend the 2020-2045 DRAFT Unconstrained Project List for MPO Funding with the provision that there are opportunities to make administrative changes on this list such as adding new projects, determining to segment/not segment the Regional Parkway Project, and updating the cost estimates after the August 1, 2019 TPC meeting. Ms. Munoz seconded; motion passed unanimously.

The Corpus Christi MPO will submit the revised DRAFT Unconstrained Project List by adding the US 181 Drainage project, separating the Regional Parkway project into segments, and updating the cost estimates to TPC on August 1, 2019 TPC meeting for an approval. In a separate TAC workshop(s), the project rankings and funding allocation will be discussed.

6. Information Only

A. FY 2019-2022 Transportation Improvement Program (TIP) Amendment: Administrative Amendment #1-CCRTA Projects

Mr. MacDonald informed the TAC members of the CCRTA's request to amend their FY 2019-2022 TIP projects. The amendments aligned FTA Section 5307 fund apportionment year and these changes were made by TxDOT Transportation Planning and Programming (TPP) Division on June 20, 2019. There is no change in project scope or cost.

7. Freight Topics

A. Federal Highway Administration (FHWA) Talking Freight Seminar: The Impact of Emerging Technologies on Freight Transportation and Land Use on July 17, 2019 12:00 – 1:30 p.m.

FHWA Office of Freight Management and Operations and the Office of Planning hosted the "Talking Freight" seminar: The Impact of Emerging Technologies on Freight Transportation and Land Use on July 17, 2019. Mr. MacDonald stated that there were three presentations covering emerging technologies in freight planning such as driverless/autonomous vehicles and drones and it was very interesting. These presentations are available, and Mr. MacDonald will send these to TAC members.

8. Member Agency Project Updates

Mr. Robinson informed the TAC that the CCRTA's autonomous shuttle in Texas A&M University – Corpus Christi (TAMU-CC) will finalize the bus stops and hopefully start operation in Fall. The CCRTA is also planning an on-demand flexible bus service between TAMU-CC campus/housing area to retail stores in Flour Bluff such as HEB and medical facilities.

Mr. DeLatte reported that the City of Portland signed two Bike/Pedestrian Projects, Memorial Parkway Hike & Bike Trail Phase 2 and Portland Bicycle Lanes Advanced Funding Agreement with TxDOT.

Ms. Munoz informed the TAC that the City of Corpus Christi will hold two public meetings, Six-Points Intersection Street and Signal Improvement on July 22, 2019 and Bond 2018 Airline Road Improvement Project (SPID – McArdle) on July 25, 2019.

Mr. Pollack informed the Texas Innovation Alliance Summit will be held around late October – early November this year. The CCRTA's autonomous vehicle in TAMU-CC will be the great regional showcase to share in the Summit. Mr. Pollack will send more information regarding this Summit once the agenda is finalized.

Mr. MacDonald informed the TAC members that the TxDOT TPP Division notified him of the expiring Category 9 (TAP) funding; the Corpus Christi MPO has approximately \$388,000 of expiring funding in September 2019. The Corpus Christi MPO and TxDOT TPP Division discussed and are expected to be able to use the older federal TAP funds on the two Portland bike projects Mr. DeLatte just discussed. This allows the Corpus Christi MPO to not lose the \$388,000 in federal TAP funds.

Ms. Sales-Evans reminded the TAC on the critical aspect of these awarded TAP projects is to move them forward to obligate the funding through the AFAs and not lose the funds.

9. Upcoming Meetings:

- A. TPC Regular Meeting: August 1, 2019**
- B. TAC Regular Meeting: August 15, 2019**
- C. TAC MTP Workshop: August TBD, 2019**

10. TAC Member Comments

None offered.

11. Adjourn

The meeting adjourned at 10:06 a.m.

ATTACHMENT ITEM #5A

2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Fiscally Constrained Project List for MPO Funding



Date: August 8, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 5A: 2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Fiscally Constrained Project List for MPO Funding
Action: Review, Discuss and Comment Only

Summary

The Corpus Christi MPO 2020-2045 MTP will eventually contain a list of funded projects and a separate list of unfunded projects. The process to develop these two lists of projects began with the initial list of projects submitted by the member governments and agencies that were considered for inclusion in the 2020-2045 MTP. This initial list of projects are those projects that will now compete for the federal and state funds directed by the Transportation Policy Committee (TPC). We refer to this list as the DRAFT Unconstrained Project List for MPO Funding.

The next step in the process is to create a 2020-2045 MTP DRAFT Fiscally Constrained Project List for MPO funding. The list of projects to be considered for funding is the approved 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding approved by the TPC on August 1, 2019. The MPO staff developed the projected 2020-2045 MTP funding amounts by TxDOT category using the TxDOT 2020 Draft Unified Transportation Program (UTP) funding tables. The UTP 10-year funding tables were factored up to a 25-year time period to match the 2020-2045 MTP time period. We propose that this methodology is a reasonable estimate of expected transportation funds for the Corpus Christi MPO's 2020-2045 MTP. We request that the TAC members, especially TxDOT staff, review the 2020-2045 MTP DRAFT Summary Funding Table (see the Attachment).

During the TAC meeting, we will distribute an initial 2020-2045 MTP Draft Fiscally Constrained Project List as a starting point for your future discussions through a TAC workshop and regular TAC meetings. We will provide a verbal overview of our assumptions that are also presented below. This methodology is presented for your review and comment during your meeting on August 15th and future workshop.

- MPO staff created the 25-year 2020-2045 MTP DRAFT Summary Funding Table using the DRAFT TxDOT 2020 UTP funding tables for the estimated funding allocations by category to the TxDOT-CRP District and the Corpus Christi MPO
- Identified available funding categories for the MPO projects and removed those categories from the project list that are not applicable to the MPO region
- Sorted the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding by preliminary rank created by the TAC during your August 2nd Workshop
- Applied the available dollars by the proposed funding category to completely fund a project starting with the number 1 ranked project
- We proceeded to allocate funding to the subsequently ranked projects until category funds were exhausted

- For projects listed with multiple funding categories, we allocated dollars in equal proportions in most cases. We request TAC members comment on these proportional allocation assumptions
- Once we exhausted the category funding, we reviewed available funding in other categories to determine if these funds could be applied to projects with Category 7 funds. We did this because many projects on the list identified Category 7 funds as the likely source of dollars
- We determined the value of the projects within the MPO boundary that received Category 4 funds to be ten percent of the total Category 4 funds within TxDOT 10-year DRAFT 2020 UTP. We applied the ten percent proportion to the Category 4 allocation in the 2020-2045 MTP DRAFT Summary Funding Table
- After an initial iteration of funding allocations, we reviewed the list of unfunded projects that were identified by the local governments as important priorities. We then looked for additional funding in Categories 11 and 12 as an option to enable more Category 7 projects to be funded. Certainly, this option needs comment from TxDOT staff to determine the reasonableness of this proposal
- The initial 2020-2045 MTP Draft Fiscally Constrained Project List is being delivered at the TAC meeting for an initial presentation of the process to be used by TAC at their upcoming workshop(s) and Regular meeting(s) to finalize this list and eventually recommend a fiscally constrained project list to the TPC.

Finally, as with the list of ranked projects, the TAC will be asked to apply their professional judgements and policy applications to list a project higher or lower in final Fiscally Constrained Project List for the 2020-2045 MTP.

Recommendation

None. This is an Information Only Item.

Proposed Motion

None. This is an Information Only Item.

Financial Impact

None at this time.

Background

The projects and programs submitted to the Corpus Christi MPO will include the total costs to be incorporated into the ranked list of projects in the 2020-2045 MTP Unconstrained Project List for MPO Funding. The total cost for all projects and programs will represent the unconstrained or total future transportation need, in dollars for the 2020-2045 time period. Future allocations of funding will determine the Fiscally Constrained Project List of the 2020-2045 MTP.

Attachment

2020-2045 MTP DRAFT Summary Funding Table

2020-2045 MTP DRAFT Summary Funding Table

Funding Category	2020 UTP Statewide Funding Authorizations	2020 UTP TxDOT CRP District Funding	TxDOT-CRP District 25-year MTP Projected Funding	2020 UTP 10-year CCMPO Funding	CCMPO 25-year MTP Projected Funding
1. Preventive Maintenance and Rehabilitation	\$13,926,300,000	\$616,880,000	\$1,542,200,000	\$0	\$0
2. Metro and Urban Area Corridor Projects	\$11,481,710,000	\$0	\$0	\$150,990,000	\$377,475,000
3. Non-Traditionally Funded Transportation Projects	\$5,330,350,000	\$0	\$0	\$0	\$0
4. Statewide Connectivity Corridor Projects	\$11,220,550,000	\$690,500,000	\$1,726,250,000	\$70,500,000	\$172,625,000
5. Congestion Mitigation and Air Quality Improvement	\$2,213,510,000	\$624,500,000	\$1,561,250,000	\$0	\$0
6. Structures Replacement and Rehabilitation (Bridges)	\$3,586,560,000	\$0	\$0	\$0	\$0
7. Metropolitan Mobility and Rehabilitation	\$4,588,130,000	\$0	\$0	\$88,880,000	\$222,200,000
8. Safety	\$4,031,750,000	\$0	\$0	\$0	\$0
9. Transportation Alternatives (Set-Aside)	\$910,500,000	\$0	\$0	\$5,800,000	\$14,500,000
10. Supplemental Transportation Projects	\$594,550,000	\$0	\$0	\$0	\$0
11. District Discretionary	\$3,233,380,000	\$168,640,000	\$421,600,000	\$168,640,000	\$105,400,000
12. Strategic Priority	\$15,740,000,000	\$33,000,000	\$82,500,000	\$33,000,000	\$82,500,000
Total	\$76,857,290,000	\$2,133,520,000	\$5,333,800,000	\$517,810,000	\$974,700,000

ATTACHMENT ITEM #6A

2020-2045 MTP DRAFT Unconstrained Project List
for MPO Funding with Initial Project Ranking



Date: August 8, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 6A: 2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking
Action: Review, Discuss and Recommend Approval to the TPC

Summary

The Corpus Christi MPO 2020-2045 MTP will eventually contain a list of funded projects and unfunded projects. The process to develop these two lists of projects begins with an initial list of projects submitted by the member governments and agencies to be considered for inclusion in the 2020-2045 MTP. This initial list of projects are those projects that will compete for the federal and state funds directed by the Transportation Policy Committee (TPC). We refer to this list as the DRAFT Unconstrained Project List for MPO Funding.

TAC members reviewed the preliminary results of the DRAFT Project Rankings at a workshop on August 2nd and incorporated their professional judgement regarding the status of the project, ability to obtain other funds for the project, environmental clearances, right-of-way needs, and other considerations related to the projects. The professional judgement and policy approach allow the TAC members and eventually the TPC to rank a project higher or lower in the unconstrained list of projects for the MTP. This concept is also used later in the 2020-2045 MTP approval process regarding the funding for projects and inclusion in the final Fiscally Constrained Project List for the MTP.

Prior TAC Actions

- The 2020-2045 MTP Project Prioritization Methodology and Performance Measures were recommended for approval by the TAC to the TPC on May 16, 2019.
- The TAC recommended approval to the TPC of the 2020-2045 MTP DRAFT Unconstrained Project List on July 18, 2019.

Recommendation

The MPO staff proposes that the TAC recommend approval of the ranking of projects in the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding to the TPC.

Proposed Motion

Move to recommend approval to the TPC of the ranking of projects in the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding.

Financial Impact

None at this time.

Background

The projects and programs submitted to the Corpus Christi MPO will include the total costs to be incorporated into the ranked list of projects in the 2020-2045 MTP Unconstrained Project List for MPO Funding. The total cost for all projects and programs will represent the unconstrained or total future transportation need, in dollars for the 2020-2045 time period. Future allocations of funding will determine the Fiscally Constrained Project List of the 2020-2045 MTP.

Attachment

2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking

2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking

TAC Workshop 08/02/19 Rank	TAC 08/15/19 Rank	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost
1		SH 358 (SPID) Ramp Reversal	Ramp reversal Phase II-B	Nile Drive	Staples Street	TxDOT-CRP	2	\$50,000,000
2		SH 358 (SPID) Ramp Reversal	Ramp Reversal Phase II-C (Braided ramps)	Airline Road	Everhart Road	TxDOT-CRP	2 / 4 / 7	\$41,442,500
3		I-37	Widen freeway by constructing additional 2 travel lanes northbound and 1 additional travel lane	Redbird Lane (Overpass)	Nueces River	TxDOT-CRP	2 / 4(3c) / 12	\$60,000,000
4		Harbor Bridge Hike and Bike - Connectivity	Construct pedestrian and bike facilities	On various city streets from Coles High School	Williams Memorial Park	City of Corpus Christi	7 / 9	\$1,420,200
4		US 181 Harbor Bridge Voluntary Relocation Program	US 181 Harbor Bridge Voluntary Relocation Mitigation Program	N/A	N/A	MPO	7 / 3 / Local	\$80,000,000
4		Harbor Bridge Park Improvements	Park mitigation for Harbor Bridge	At various city parks including	Ben Garza, TC Ayers, and new location	City of Corpus Christi	7 / 3 / Local	\$5,680,800
5		SH 286 (Crosstown)	Construct 1 additional northbound travel lane with ramp upgrades	SS 544 (Agnes Street / Laredo Street)	SH 358 (SPID)	TxDOT-CRP	2	\$80,000,000
6		FM 624 (Northwest Boulevard)	Upgrade from 4-lane roadway to 6-lane roadway including raised medians	CR 69	FM 73	TxDOT-CRP	2 / 4U / 7 / 9	\$18,000,000
7		US 181	Widen freeway by constructing 1 additional travel lane in each direction	North of FM 3296 (Buddy Ganem Drive)	FM 2986 (Wildcat Drive)	TxDOT-CRP	2 / 4U	\$14,000,000
7		US 181 Ramp Reversals	Reverse entrance and exit ramps in Northbound direction	FM 3296 (Buddy Ganem Drive)	FM 2986 (Wildcat Drive)	TxDOT-CRP	2	\$4,734,000
8		I-37 / SH 358 Interchange	Reconstruct Interchange to provide 2-lane direct connectors from SB I-37 to EB SH 358 and WB SH 358 to NB I-37	At I-37/SH 358 interchange	N/A	TxDOT-CRP	TBD	\$100,000,000
9		SS 544 (Agnes Street / Laredo Street)	Operational improvements without adding capacity	SH 286 (Crosstown)	Coopers Alley	City of Corpus Christi	7	\$6,509,250
10		PR 22	Corridor upgrade for pedestrian and access management improvements without adding capacity	Aquarius Street	Whitecap Boulevard	TxDOT-CRP	2 / 7 / 9	\$18,936,000
11		SH 286 (Crosstown)	Extend 4-lane divided freeway by constructing mainlanes, overpasses, and frontage roads	FM 43 (Weber Road)	South of FM 2444 (Staples Street)	TxDOT-CRP	2	\$40,000,000
12		FM 43 (Weber Road)	Upgrade to 5-lane roadway by constructing additional 2 lanes and CLTL	SH 286 (Crosstown)	FM 665 (Old Brownsville Road)	TxDOT-CRP	2 / 7	\$40,000,000
13		SH 286 (Crosstown) Braided Ramp	Construct braided ramps northbound from Holly to SH 358	South of Holly Road	SH 358 (SPID)	TxDOT-CRP	2 / 4 / 7	\$60,000,000
14		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment B)	Rodd Field Road (SH 357)	SH 286 (Crosstown)	City of Corpus Christi	7	\$1,890,000
15		Regional Parkway	NEW Location:Construct 4-lane roadway (Segment B)	Rodd Field Road (SH 357)	SH 286 (Crosstown)	City of Corpus Christi	7	\$42,610,000
16		Rodd Field Road Extension	Construct 4-lane roadway with raised medians on new location	Yorktown Boulevard	Future Regional Parkway (South of Oso Creek)	City of Corpus Christi	7 / Local	\$23,670,000
17		Yorktown Boulevard	Construct 2 additional travel lanes with turn lanes. Elevate and widen bridge.	Rodd Field Road (SH 357)	Laguna Shores Road	City of Corpus Christi	7	\$39,410,000
18		I-69	Construct braided ramps northbound from FM 624 to I-37	FM 624 (Northwest Boulevard)	I-37	TxDOT-CRP	7	\$50,000,000

2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking

TAC Workshop 08/02/19 Rank	TAC 08/15/19 Rank	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost
19		FM 893 (Moore Avenue)	Upgrade from 2-lane roadway to 5-lane urban roadway by constructing additional 2 lanes and CLTL	CR 3685 (Stark Road)	0.2 miles West of CR 79 (Gum Hollow)	TxDOT-CRP	1 / 2	\$8,284,500
20		SH 361	Upgrade/add direct connectors	At SH 35 interchange	0.6 miles Southeast on SH 361	TxDOT-CRP	2 / 4	\$71,010,000
20		SH 35	Upgrade/add direct connectors	FM 3284	0.23 North of SH 361	TxDOT-CRP	4U	\$21,500,000
21		Timon Boulevard / Surfside Boulevard	Rehabilitate without additional capacity, construct bicycle facilities	Beach Avenue	Burleson Street	City of Corpus Christi	7	\$20,000,000
22		PR 22	Feasibility study: intersection upgrade	At SH 361/PR 22 intersection	Zahn Road	TxDOT-CRP	7	\$1,775,250
23		PR 22	Intersection upgrade/ flyover	At SH 361/PR 22 intersection	Zahn Road	TxDOT-CRP	7	\$53,257,500
24		Holly Road	Upgrade to 5-lane urban roadway by constructing additional 2 lanes	Rodd Field Road (SH 357)	Paul Jones Avenue	City of Corpus Christi	7	\$9,468,000
25		I-37 (Violet Road Overpass)	Replace bridge, increase vertical clearance, widen overpass to include shoulders and turnabouts	At Violet Road	N/A	TxDOT-CRP	11 / 12	\$18,000,000
26		Flour Bluff Drive	Upgrade to 5-lane urban roadway by constructing additional 2-lanes and CLTL	South of Don Patricio Road	Yorktown Boulevard	City of Corpus Christi	7	\$16,924,050
27		Holly Road Travel Lanes	Construct Phase II by adding 2 additional travel lanes	SH 286	Greenwood Drive	City of Corpus Christi	7 / 3L	\$4,734,000
28		FM 665 (Old Brownsville Road)	Upgrade to 5-lane roadway by constructing additional 2 lanes and CLTL	SH 358 (SPID)	SH 357 (Saratoga Boulevard)	TxDOT-CRP	7	\$17,752,500
29		FM 2292 (Rand Morgan Road) 5-lane	Construct additional travel lanes for 5 lane roadway	I-37	South of McNorton Road	TxDOT-CRP	7	\$20,000,000
30		CR 72	Construct 2 additional travel lanes (CTWLTL)	FM 2986 (Wildcat Drive)	CR 2032	City of Portland	7	\$5,917,500
31		Joe Fulton International Trade Corridor (JFITC) Realignment	Corridor improvements	0.5 miles west of Navigation Boulevard	0.5 miles east of Navigation Boulevard	Port of Corpus Christi	7	\$5,000,000
32		Williams Drive	Construct 4-lane roadway with TWTL and drainage on new location	Rodd Field Road (SH 357)	Ennis Joslin Road (Spur 3)	City of Corpus Christi	7	\$8,000,000
33		SH 357 (Saratoga Boulevard)	Construct 2 additional lanes with CLTL	FM 665 (Old Brownsville Road)	Calle Cuernavaca	TxDOT-CRP	7	\$14,202,000
34		Akins Drive	Construct 2 additional travel lanes	Lang Road	Wildcat Drive (FM 2986)	City of Portland	7	\$7,101,000
35		North Staples Extension	Extend North Staples Street by constructing 2-lane roadway with bicycle and pedestrian facilities on new	West Broadway Street	North Tancahua Street	City of Corpus Christi	2	\$9,468,000
36		Kay Bailey Hutchison Road Extension	Construct 2-lane roadway on new location	US 181	FM 2986 (Wildcat Drive)	Port of Corpus Christi	7	\$5,917,500
37		Oso Pedestrian Connection	Construct pedestrian and bicycle bridge across Oso to Momentum Campus	Momentum Campus at Ennis Joslin Road	TAMUCC Campus	TBD	9	\$5,000,000
38		Holly Road Railroad Trestle	Rehabilitate Railroad Trestle to establish bike and pedestrian bridge connections	East end of Oso wetland preserve	West shore of Flour Bluff Drive	City of Corpus Christi	7	\$2,500,000
39		Intelligent Transportation Systems	Integrated Corridor Management - ITS improvements	Various Locations possible including	IH 37, SH 358, US 181, SH 286, PR 22, SH 361	Multiple	7	\$11,835,000

2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding with Initial Project Ranking

TAC Workshop 08/02/19 Rank	TAC 08/15/19 Rank	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost
40		Schanen Ditch Hike and Bike Trail: Phase IV	Construct and design Hike and Bike Trail	Killarmet Drive	Holly Road	City of Corpus Christi	9	\$390,555
41		US 181 Companion Drainage Project	Construction of the companion drainage project across the TxDOT right-of-way	Sunset Road	FM 3239 (Buddy Ganem Drive)	TxDOT-CRP	2 / 7	\$7,000,000
42		Region-wide Bike Boulevard Wayfinding Initiative	Designation of bicycle boulevards with pavement markings and signage	Various Locations in Corpus Christi and Portland	N/A	City of Corpus Christi	7	\$615,420
43		Pedestrian and Bike	Pedestrian and bike facility improvements	At Various Locations on Brewster Street	N/A	City of Corpus Christi	7	\$1,420,200
44		I-37	Construct ramp improvements	FM 1694	I-69 Interchange	TxDOT-CRP	2 / 4	\$70,000,000
45		SH 361	Construct additional 2 lanes for 4-lane divided section	Access Road 1 in Port Aransas	PR 22	TxDOT-CRP	2	\$125,000,000
46		Regional Parkway	NEW Location:Construct segment of independent utility (Segment A)	PR 22	Rodd Field Road (SH 357)	City of Corpus Christi	7	\$190,000,000
46		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment A)	PR 22	Rodd Field Road (SH 357)	City of Corpus Christi	7	\$1,890,000
47		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment C)	SH 286 (Crosstown)	CR 57	City of Corpus Christi	7	\$1,890,000
48		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment D)	CR 57	US 77	City of Corpus Christi	7	\$1,890,000
49		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment E)	US 77	SH 44	City of Corpus Christi	7	\$1,890,000
50		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment F)	SH 44	FM 624 (Northwest Bouelvard)	City of Corpus Christi	7	\$1,890,000
51		Regional Parkway	NEPA Process for new location 4-lane roadway (Segment G)	FM 624 (Northwest Boulevard)	I-37	City of Corpus Christi	7	\$1,890,000
52		Regional Parkway	NEW Location:Construct segment of independent utility (Segment C)	SH 286 (Crosstown)	CR 57	City of Corpus Christi	7	\$27,000,000
53		Regional Parkway	NEW Location:Construct segment of independent utility (Segment D)	CR 57	US 77	City of Corpus Christi	7	\$50,000,000
54		Regional Parkway	NEW Location:Construct segment of independent utility (Segment E)	US 77	SH 44	City of Corpus Christi	7	\$20,000,000
55		Regional Parkway	NEW Location:Construct segment of independent utility (Segment F)	SH 44	FM 624 (Northwest Bouelvard)	City of Corpus Christi	7	\$24,000,000
56		Regional Parkway	NEW Location:Construct segment of independent utility (Segment G)	FM 624 (Northwest Boulevard)	I-37	City of Corpus Christi	7	\$38,000,000

ATTACHMENT ITEM #7

2020-2045 MTP Development Working Schedule
Monthly Update



Date: August 8, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 7: 2020-2045 Metropolitan Transportation Plan (MTP)
Development Working Schedule Monthly Update
Action: Information Only

Summary

The Corpus Christi MPO staff created the 2020-2045 MTP draft development working schedule to illustrate the timing for the various decisions necessary for the overall approval of the MTP. The working schedule is a guide to the approval process and may change slightly throughout the process. Changes to data, policy input, technical analysis and public comments may require additional time for the component pieces of the 2020-2045 MTP to be completed and approved through the TAC and TPC. We continue to communicate with FHWA and TxDOT on the development process and the required deadlines to ensure a timely completion of the MTP.

Prior TAC Actions

None - The TAC members were informed about the 2020-2045 MTP Development Working Schedule in prior months meetings.

Recommendation

None. Information only related to the 2020-2045 MTP development working schedule.

Proposed Motion

None. This is an Information Only Item.

Financial Impact

None.

Background

The deadline for the approval of the 2020-2045 MTP was set by FHWA as December 2019. The 2020-2045 MTP development working schedule was introduced to TAC in June 20, 2019 and TPC in July 11, 2019.

Attachment

2020-2045 MTP Development Working Schedule

2020-2045 MTP Development Working Schedule

May 13, 2019	Created file folders for new chapters of the MTP
May 16, 2019	TAC recommends Project Prioritization Methodology and Performance Measures
June 6, 2019	TPC Regular Meeting
	TPC approves Project Prioritization Methodology and Performance Measures
	TPC receives list of MTP projects
	TPC receives draft MTP schedule
	TPC receives draft MTP Chapter 1 - Introduction
June 12, 2019	TAC Workshop at 11am to 1pm.
	Review 2020-2045 MTP Unconstrained Project List.
	Review concept of all transportation projects in the MTP and TIP.
	Action - local entities to submit all MTP projects by COB on July 1 2019
June 20, 2019	TAC Regular Meeting
	TAC recommends MTP Introduction chapter for approval.
	TAC reviews and comments on MTP Air Quality Conformity chapter
	TAC reviews and comments on draft MTP Unconstrained Project List
	TAC reviews and comments on MTP Development Working Schedule
July 11, 2019	TPC Rescheduled Regular Meeting
	TPC approves MTP Chapter 1: Introduction
	MTP DRAFT Air Quality Conformity Chapter review
July 13, 2019	Nueces County Health Fair
July 18, 2019	TAC Regular Meeting
	TAC recommends MTP DRAFT Air Quality Conformity Chapter for approval
	Action - develop draft project ranking using MPO's criteria to take to August TPC meeting
August 1, 2019	TPC Regular Meeting
	TPC approves MTP DRAFT Air Quality Analysis Chapter
	TPC approves MTP DRAFT Unconstrained Project List for MPO Funding
August 2, 2019	TAC Workshop from 11am to 1pm - Unconstrained Project List for MPO Funding
August 15, 2019	TAC Regular Meeting
	MTP DRAFT Unconstrained Prioritized Project List for MPO Funding
August 27-29, 2019	MTP Public Meeting #1: Introduction, Air Quality Analysis, Demographics, Project List, Funding
	Location: CCRTA Boardroom 602 N. Staples St., Suite 210, Corpus Christi, TX 78401

2020-2045 MTP Development Working Schedule

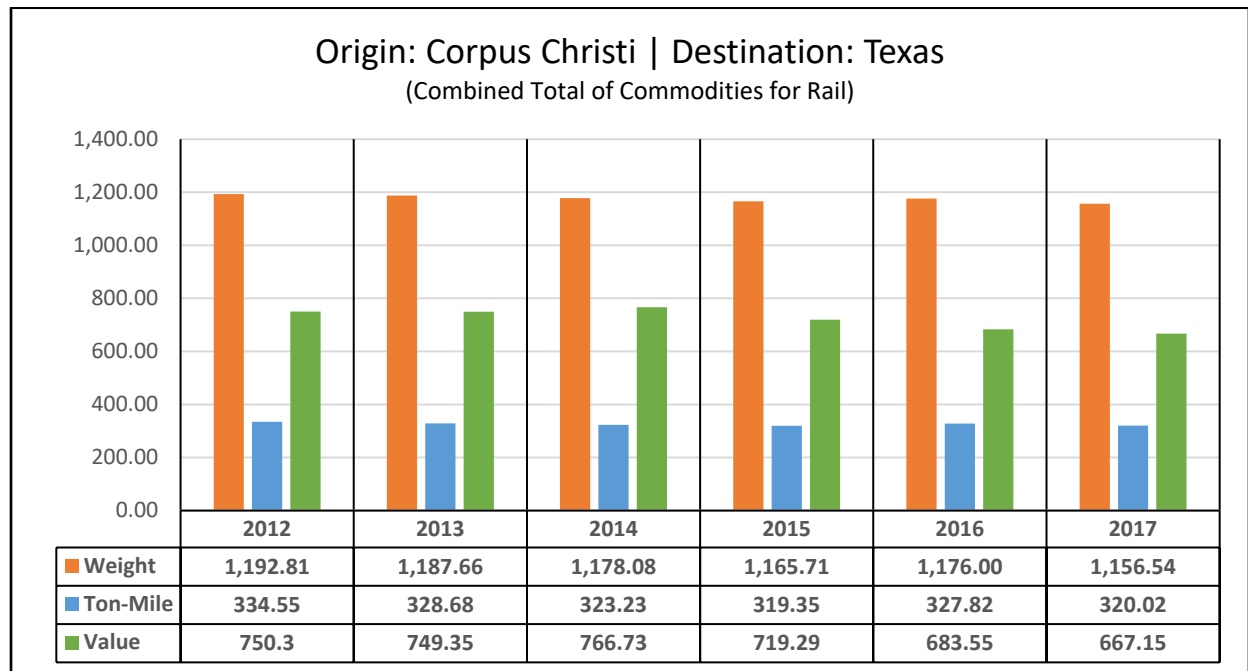
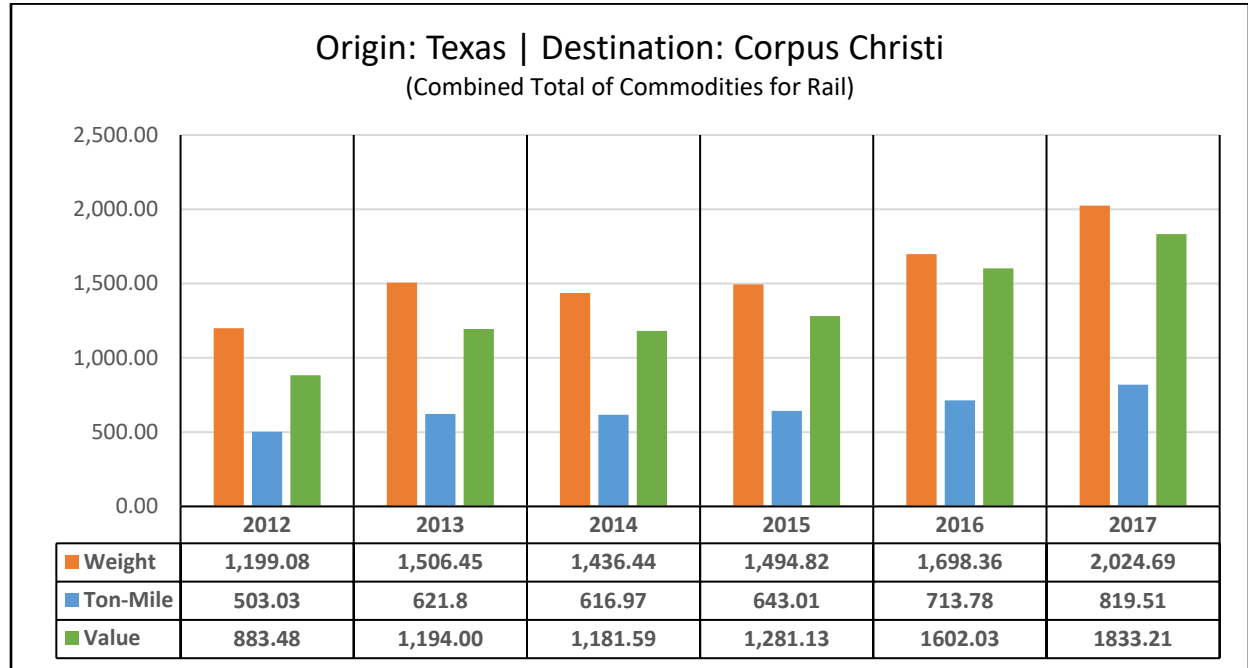
September 5, 2019	TPC Regular Meeting
	Public meeting for the MTP
	TPC approves DRAFT Prioritized Project List for MPO Funding
	TPC reviews MTP DRAFT Demographics and Travel Demand Forecasting Chapter
September 19, 2019	TAC Regular Meeting
	Public meeting for the MTP
	MTP DRAFT CMP Chapter review
October 3, 2019	TPC Regular Meeting
	Public meeting for the MTP
	TPC approves MTP DRAFT CMP Chapter
October 17, 2019	TAC Regular Meeting
	Public meeting for the MTP
	Recommend full MTP draft
October 22-24, 2019	MTP Public Meeting #2
	Review of major planning assumptions
	Review of draft MTP document
November 7, 2019	TPC Regular Meeting
	Public meeting for the MTP
November 12-14, 2019	MTP Public Meeting #3
	Review and comment draft MTP document
November 21, 2019	TAC Regular Meeting
	Recommend final 2020-2045 MTP
	Recommend final CMP
December 5, 2019	TPC Regular Meeting
	Final public hearing for the MTP
	Approve final 2020-2045 MTP
	Approve final CMP
December 19, 2019	TAC Regular Meeting
January XX, 2020	TPC Regular Meeting
January 16, 2020	TAC Regular Meeting
February 6, 2020	TPC Regular Meeting
February 20, 2020	TAC Regular Meeting

ATTACHMENT ITEM #8A

Union Pacific Operations and Projects
in the Coastal Bend Region

Corpus Christi Freight Data - Rail

The following charts/tables represent the total flows moved between domestic origins and destinations and includes both domestic and foreign shipments. For import shipments, the origin of the flow is the zone (state or region) of entry, and for export shipments the destination of the flow is the zone (state or region) of exit. Mode of transportation for this tabulation is the mode used from zone of entry to the domestic destination, domestic origin to domestic destination, and domestic origin to zone of exit.



Notes: Units of Measure: thousands of tons for Weight, millions for Ton-Mile, and millions of dollars for Value.

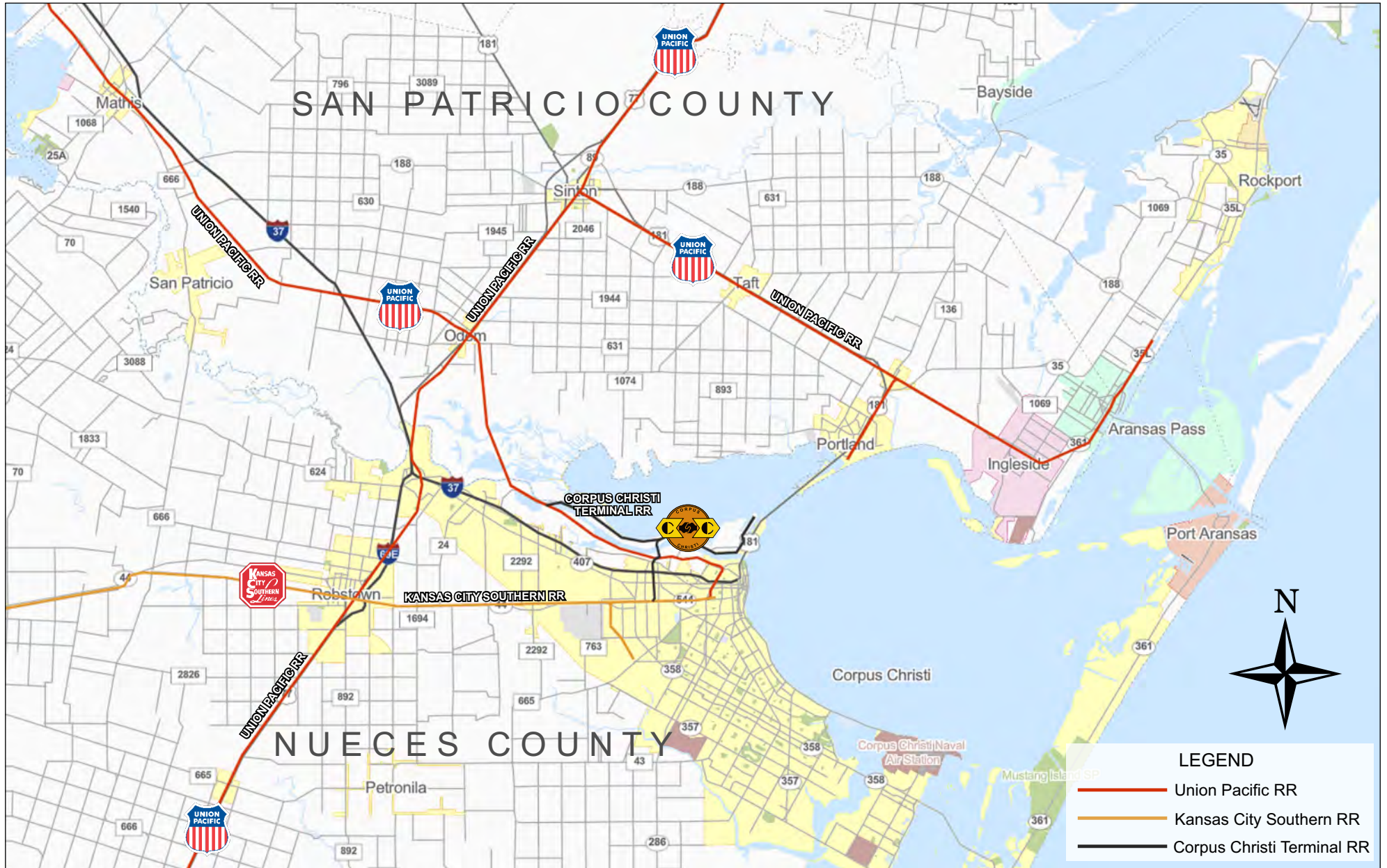
Source: Freight Analysis Framework Data Tabulation Tool (FAF4) <https://faf.ornl.gov/faf4/Extraction0.aspx>

[See reverse side for list of Commodities]

Corpus Christi Freight Data - Rail

Commodities

- Animal and Fish (live)
- Cereal Grains (includes seed)
- Agricultural Products (excludes Animal Feed, Cereal Grains, and Forage Products)
- Animal Feed, Eggs, Honey, and Other Products of Animal Origin
- Meat, Poultry, Fish, Seafood, and Their Preparations
- Milled Grain Products and Preparations, and Bakery Products
- Other Prepared Foodstuffs, Fats and Oils
- Alcoholic Beverages and Denatured Alcohol
- Tobacco Products
- Monumental or Building Stone
- Natural Sands
- Gravel and Crushed Stone (excludes Dolomite and Slate)
- Other Non-Metallic Minerals not elsewhere classified
- Metallic Ores and Concentrates
- Coal
- Crude Petroleum
- Gasoline, Aviation Turbine Fuel, and Ethanol (includes Kerosene, and Fuel Alcohols)
- Fuel Oils (includes Diesel, Bunker C, and Biodiesel)
- Other Coal and Petroleum Products, not elsewhere classified
- Basic Chemicals
- Pharmaceutical Products
- Fertilizers
- Other Chemical Products and Preparations
- Plastics and Rubber
- Logs and Other Wood in the Rough
- Wood Products
- Pulp, Newsprint, Paper, and Paperboard
- Paper or Paperboard Articles
- Printed Products
- Textiles, Leather, and Articles of Textiles or Leather
- Non-Metallic Mineral Products
- Base Metal in Primary or Semi-Finished Forms and in Finished Basic Shapes
- Articles of Base Metal
- Machinery
- Electronic and Other Electrical Equipment and Components, and Office Equipment
- Motorized and Other Vehicles (includes parts)
- Transportation Equipment, not elsewhere classified
- Precision Instruments and Apparatus
- Furniture, Mattresses, and Mattress Supports, Lamps, Lighting Fittings, and Illuminated Signs
- Miscellaneous Manufactured Products
- Waste and Scrap (excludes of agriculture or food)
- Mixed Freight
- Commodity unknown



Railroad Systems in the Corpus Christi MPO Area



a Genesee & Wyoming Company



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Union Pacific Projects Briefing 07/31/2019

AGENDA

1. Introductions
2. Update on Union Pacific Operations and Projects in the Coastal Bend Region
3. MPO Planning Process Update
4. Agency Updates
5. Discussion/Questions
6. Adjourn



2018 Fast Facts

Operating Revenue: **\$22.8 B**

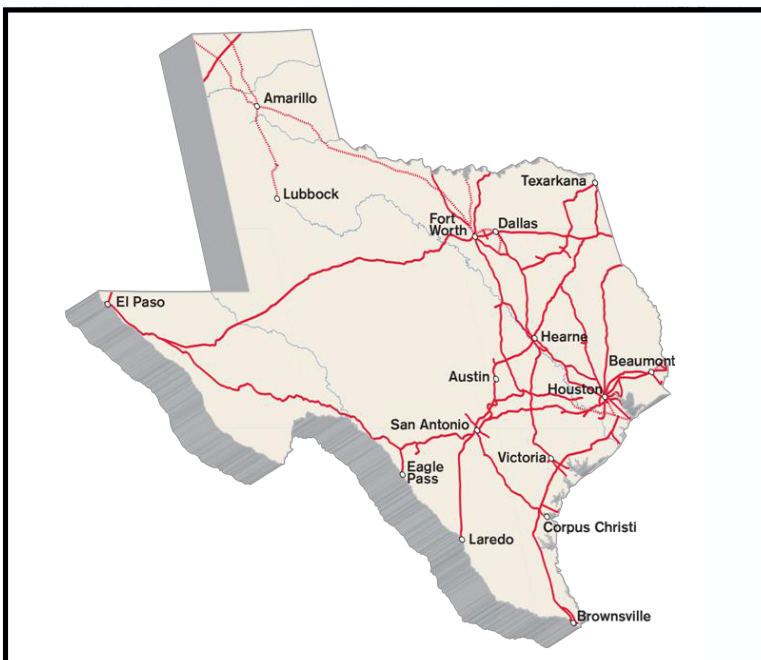
Route Miles:
32,200 in 23 States

Employees: **42,000**

Annual Payroll: **\$4.3 B**

Customers: **10,000**

Locomotives: **8,300**



2018 Union Pacific in Texas

Miles of Track: **6,298**

Annual Payroll: **\$652.6 M**

In-State Purchases: **\$2.2 B**

Capital Investment: **\$777 M**

Employees: **7,475**

U.S. Jobs Supported*: **67,275**

Community Giving: **\$1.6 M**

Charitable Organizations: **346**

*Each American freight rail job supports 9 jobs elsewhere in the U.S. economy. (Association of American Railroads)

4

Union Pacific Foundation



Grants awarded to
501(c)3 organizations
along Union Pacific
operating track.

[https://www.up.com/
aboutup/community/
foundation/](https://www.up.com/aboutup/community/foundation/)