



TECHNICAL ADVISORY COMMITTEE (TAC) **REGULAR MEETING AGENDA PACKET**

9:00 A.M., Thursday, July 18, 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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ITEM #7A – Federal Highway Administration (FHWA) Talking Freight Seminar: The
Impact of Emerging Technologies on Freight Transportation and Land Use





TECHNICAL ADVISORY COMMITTEE (TAC) REGULAR MEETING AGENDA

Thursday, July 18, 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 June 20, 2019 TAC Meeting Minutes**

- 5. Discussion and Possible Action**

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

Action: Review, Discuss and Recommend

- B. 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding ☒**

Action: Review, Discuss and Recommend

- 6. Information Only**

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

- 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. ☒**

Action: Information Only

- 8. Member Agency Statements for Items of Interest: Projects, Events and Activities**

- 9. Upcoming Meetings:**

A. Transportation Policy Committee:	Regular Meeting:	August 1, 2019
B. Technical Advisory Committee:	Workshop: Project Priority/Funding	August TBD, 2019
C. Technical Advisory Committee:	Regular Meeting:	August 15, 2019

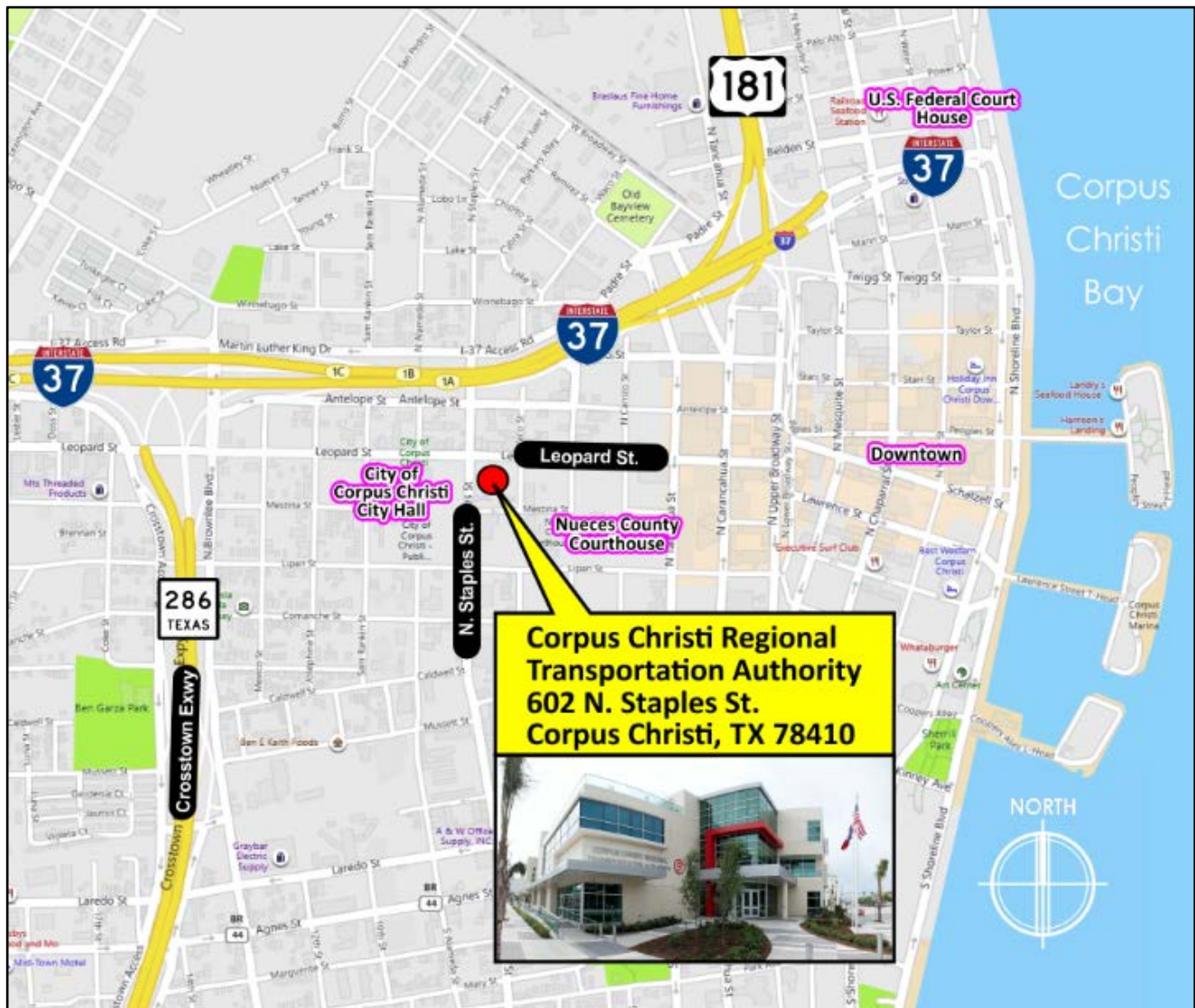
- 10. TAC Member Comments**

- 11. 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

June 20, 2019 TAC Meeting Minutes

**CORPUS CHRISTI METROPOLITAN PLANNING ORGANIZATION (MPO)
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING MINUTES
Thursday, June 20, 2019**

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

Mr. Brian DeLatte called the meeting to order at 9:10 a.m.

TAC Members Present:

Brian DeLatte, P.E., City of Portland

Gordon Robinson, PMP, CCRTA

Jeff Pollack, AICP, Port of Corpus Christi

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

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

Juan Pimentel, P.E., Nueces County

Howard Gillespie, San Patricio County

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

2. Introduction of visiting agency officials

Ms. Sales-Evans introduced Ms. Sara Garza, Transportation Planning and Programming Division, TxDOT and Mr. Victor Vourcos, P. E., TxDOT-CRP.

3. Public Comments for Items not on the agenda

Mr. DeLatte asked for public comments for items not on the agenda; no public comments were offered.

4. Approval of May 16, 2019 TAC meeting minutes

Mr. Pollack made a motion to approve the May 16, 2019 TAC Meeting Minutes. Ms. Munoz seconded; motion passed unanimously.

5. Discussion and Possible Action

A. 2020 – 2045 Metropolitan Transportation Plan (MTP) DRAFT Chapter 1: Introduction

The 2020 – 2045 MTP DRAFT Chapter 1: Introduction was distributed to TAC members on June 14, 2019 for review. If TAC members agree to recommend it to Transportation Policy Committee (TPC), it will be submitted on July 11, 2019 TPC meeting for an approval.

There was no comment from the TAC regarding the overall content of Chapter 1: Introduction, but the following comments were provided on Figure 1-1. Corpus Christi MPO Metropolitan Planning Area map:

- Reflect the new City of Portland's city limit on the map
- Separate Interstate Highway and US Highway

The above requests will be reflected in the Corpus Christi MPO Metropolitan Planning Area map.

Ms. Gillespie asked if the City of Corpus Christi's annexation in San Patricio County will affect the MPO Planning boundary. Mr. MacDonald answered that the annexation would not change the MPO boundary. Mr. MacDonald also mentioned that there was an inquiry at the June TPC meeting as to whether Port Aransas should be included in the MPO boundary since Port Aransas is part of Nueces County. Mr. MacDonald informed the TAC members that the Corpus Christi MPO is collecting information regarding the MPO boundary change and its process and will provide the findings to TPC, and the report will be provided to the TAC members prior to submitting to the TPC.

Mr. Gillespie made a motion to recommend the 2020 – 2045 Metropolitan Transportation Plan (MTP) DRAFT Chapter 1: Introduction with the suggested changes. Ms. Munoz seconded; motion passed unanimously.

Mr. MacDonald thanked TAC members for the comments. The Corpus Christi MPO will submit the modified Chapter 1: Introduction to TPC on July 11, 2019 TPC meeting for an approval.

6. Review and Discussion

A. 2020 – 2045 MTP DRAFT Unconstrained Project List

The 2020 – 2045 MTP DRAFT Unconstrained Project List was distributed to TAC members on June 14, 2019 for review. The list was created after the May 16, 2019 TAC meeting as the 2020 – 2045 MTP projects list, then modified with the result of discussions during the June 12, 2019 TAC workshop. The list will be finalized after collecting all projects in the 25-year planning period and projects will be ranked and prioritized for the MTP using the approved Project Prioritization Methodology and Performance Measures. TAC members are requested to submit their projects by close of business on July 1, 2019. The Corpus Christi MPO is expecting to present the list for the July 18, 2019 TAC meeting.

B. 2020 – 2045 MTP Draft Development Working Schedule

Mr. MacDonald explained that the deadline to submit the 2020 – 2045 MTP is December 2019, and the Corpus Christi MPO has set the working schedule to develop the MTP to meet this deadline. This is a working schedule and the estimated dates are subject to change depending on progress made for the various MTP tasks.

Ms. Sales-Evans inquired as to how many workshops the Corpus Christi MPO is planning to hold. Mr. MacDonald answered that the number of workshops is not definitely determined but possibly one more workshop for the project prioritization, and a couple more for the funding allocation and fiscally constrained MTP project list.

C. 2020 – 2045 MTP DRAFT Air Quality Conformity Chapter

Mr. MacDonald provided the 2020 – 2045 MTP DRAFT Air Quality Conformity Chapter to the TAC members and requested they review the chapter and provide their comments by the July 18, 2019 TAC meeting. Air Quality Conformity is one of the federal requirements and the new 2020 - 2045 MTP dedicated a whole chapter to this requirement. As the Chart on page 3 indicates, the Corpus Christi region is in attainment for air quality levels since 2002. The chapter will be reviewed by the Corpus Christi Air Quality Group Chair, Ms. Gretchen Arnold, and their annual report will be included as an appendix in the 2020 – 2045 MTP.

7. Freight Topics

A. 2020 – 2045 MTP Freight Truck Stop Parking Map

Mr. MacDonald provided the Freight Truck Stop Parking Map the Corpus Christi MPO is planning to use as part of the 2020 – 2045 MTP Freight chapter. The map indicates the TxDOT's Highway Freight Network and designated truck stops.

Mr. Gillespie asked the definition of truck stops since there are considerable difference between just a truck stop with parking spaces and fueling and a truck stop with amenities such as lodging. Mr. Pollack agreed and suggested to classify the truck stops. Ms. Sales-Evans pointed out the disconnected network on the map and several TAC members suggested to indicate the future freight network roadways.

Mr. MacDonald thanked the TAC members for their comments and the stated that the map would reflect the suggested changes. Finally, he asked TAC members to contact him if they have additional comments and suggestions.

8. Member Agency Project Updates

Ms. Munoz announced that the City of Corpus Christi installed a H.A.W.K. traffic signal on Ocean Drive at Del Mar Boulevard with 2018 Transportation Alternatives Program (TAP) funding. The grand opening is scheduled for June 28, 2019 and this event occurs right after the City's Bay Jammin' Music and Movies event and all interested parties are welcome. [This event was subsequently cancelled].

Mr. Robinson informed that the CCRTA's autonomous shuttle in Texas A&M University – Corpus Christi will finalize the routing and achieve a critical milestone for this program. Once this program is finalized and ready to operate, CCRTA will inform Dr. Kristie Chin, of the Texas Innovation Alliance about the program's success for future discussions and opportunities.

Mr. Gillespie informed that the Gulf Coast Growth Ventures received air permits and the construction will start soon. He also mentioned that a part of the US 181 project is complete, subject to confirmation by TxDOT.

Mr. Pollack informed the TAC that the Port of Corpus Christi (PCCA) was awarded a safety improvement and Intelligent Transportation System (ITS) hardware installation on Joe Fulton Trade Corridor by TxDOT's Rider 45 funding. This is one of the ITS projects featured in the last year's Texas Mobility Summit and it will be the region's pilot program for ITS.

Mr. MacDonald inquired if the PCCA's Strategic Plan 2023 has been approved. Mr. Pollack said it was approved on June 18, 2019. Mr. MacDonald requested an update at a future TAC meeting and to possibly include the PCCA's truck queuing system. Mr. Pollack agreed to provide the necessary documents and provide a future presentation.

Mr. DeLatta informed that the City of Portland is currently working on its Strategic Plan 2040 and the coordination with the Corpus Christi MPO, TxDOT, and other agencies are expected to start within 90 days.

Mr. MacDonald thanked the TAC members for their updates and requested all partner agencies continue sharing their current and future programs and plans for the 2020 – 2045 MTP development.

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 and he is discussing with TxDOT TPP options to obligate or apply the funds. He will update the TAC members about the status of this funding.

9. Upcoming Meetings:

- A. TPC Rescheduled Regular Meeting: July 11, 2019**
- B. TAC Regular Meeting: July 18, 2019**
- C. Technical Advisory MTP Workshop dates will be determined after July TAC meeting.**

10. TAC Member Comments

None offered.

11. Adjourn

The meeting adjourned at 9:54 a.m.

ATTACHMENT ITEM #5A

2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Air Quality Conformity Chapter – Attachment No. 1

2020-2045 MTP Development Working
Schedule – Attachment No. 2



Date: July 11, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 5A: 2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Air Quality Conformity Chapter
Action: Review, Discuss and Recommend

Summary

The development of the Corpus Christi MPO's 2020-2045 MTP continues in accord with the development working schedule. We are expecting adoption of the 2020-2045 MTP at the December Transportation Policy Committee (TPC) meeting. To achieve that schedule we are providing chapters of the draft document and appendices over the next months for your review, comment and approval. We believe this incremental review process will help manage the volume of material for review by the TAC, TPC and the public.

Previous TAC Actions for the 2020-2045 MTP

- The TAC has reviewed and recommended approval for prior year's MTPs.
- The TAC was provided the DRAFT 2020-2045 MTP Chapter 1: Introduction at the June 20, 2019 TAC meeting for review, comments and recommendation to the TPC.
- This item for consideration is the DRAFT Air Quality Conformity Chapter of the new 2020-2045 MTP.

Recommendation

The TAC has the following options to consider:

- Recommend approval of the DRAFT Air Quality Conformity Chapter of the 2020-2045 MTP to the TPC as presented;
- Modify the DRAFT Air Quality Conformity Chapter of the 2020-2045 MTP and recommend approval to the TPC, or
- Table the recommendation for the DRAFT Air Quality Conformity Chapter and return the item to the MPO staff for further analysis and modifications.

The MPO staff recommends that the TAC recommend approval of the DRAFT Air Quality Conformity Chapter of the 2020-2045 MTP to the TPC as presented.

Proposed Motion

Move to recommend the 2020-2045 Metropolitan Transportation Plan (MTP) DRAFT Air Quality Conformity Chapter to the TPC.

Financial Impact

None for this particular item.

Background

Air Quality Conformity is one of the federal requirements the Corpus Christi MPO needs to address in the transportation planning process. This MTP chapter describes the regional cooperation and efforts to maintain the current air quality attainment status.

During the July 11 Rescheduled Regular TPC meeting, the draft document was distributed for the TPC members review and comment regarding the new layout, content and graphics. We will provide the comments to the TAC at their meeting on July 18.

Attachment

1. 2020-2045 MTP DRAFT Air Quality Conformity Chapter
2. 2020-2045 MTP Development Working Schedule



DRAFT

CHAPTER

AIR QUALITY CONFORMITY

The Clean Air Act Amendments of 1990 require all conformity determinations to be “based on the most recent estimates of emissions, and such estimates shall be based on the most recent population, employment, travel and congestion estimates as determined by the Metropolitan Planning Organization...”

The Corpus Christi MPO is the Metropolitan Planning Organization for the Corpus Christi Urbanizing Area. One of the responsibilities of an MPO in an air-quality maintenance area is making an air-quality conformity determination for regional long-range transportation plans and transportation improvement programs.

The U.S. Environmental Protection Agency (EPA) and the U.S. Department of Transportation (DOT) have jointly developed “Criteria and Procedures for Determining Conformity to State or Federal Implementation Plans of Transportation Plans, Programs, and Projects Funded or Approved Under Title 23 U.S.C. of the Federal Transit Act,” commonly called the transportation conformity rule.

Air-quality conformity ensures that transportation plans, programs, and projects will not:

- Produce new violations of air-quality standards
- Worsen existing violations
- Delay timely attainment or maintenance of national ambient air-quality standards

The conformity determination of the 2020-2045 MTP is based on these criteria.

CONFORMITY CRITERIA

The Clean Air Act Amendments of 1990 require all conformity determinations to be “based on the most recent estimates of emissions, and such estimates shall be based on the most recent population, employment, travel and congestion estimates as determined by the Metropolitan Planning Organization...”

The Corpus Christi MPO's travel-demand modeling is developed using a standard three-step model calibrated using 2010 US Census data and a 2010 household survey. Area travel-demand forecasts and air-quality analyses are based on the population and employment forecasts in the 2020-2045 MTP demographic data and forecasts.

Transportation plans and improvement programs in carbon monoxide limited maintenance plan areas are presumed to automatically satisfy the emissions budget test requirement, and no regional emissions analysis (i.e., motor vehicle emissions budget, build less than no-build, or build less than base year) is required. However, the following requirements must still be met:

- An affirmative conformity determination by the metropolitan planning organization and the U.S. Department of Transportation

- The requirements for transportation plan contents contained in 40 CFR 93.106 (c)
- The consultation, public involvement, and fiscal constraint requirements

Transportation conformity is a requirement of the federal Clean Air Act (CAA) to ensure that air quality in nonattainment and maintenance areas for transportation-related National Ambient Air Quality Standards (ozone, particulate matter (PM), carbon monoxide (CO), and nitrogen dioxide (NO2)) is not negatively impacted by federal funding and approval of transportation activities. Nonattainment areas are those that do not currently meet an air quality standard, and maintenance areas are those that were previously nonattainment for an air quality standard. Transportation conformity applies to transportation plans, transportation improvement programs, and projects funded or approved by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA).

Of these listed pollutants, ozone is the only pollutant that the region is at risk of violating.

Transportation conformity requires an affected area to conduct an analysis to estimate emissions for the pollutant(s) under which the area is nonattainment or maintenance that are expected to result from the area's transportation system. The analysis must demonstrate that those estimated emissions do not exceed the emissions limit established in the state's air quality SIP. The emissions limit is referred to as the motor vehicle emissions budget (MVEB).

Conformity determinations also ensure that transportation and air quality agencies are in consultation with one another, and that transportation control measures in an approved state air quality SIP are being timely implemented. Consultation partners include the affected metropolitan planning organization (MPO) and local transit and air quality offices, the Texas Department of Transportation, the Texas Commission on Environmental Quality, EPA, FTA, and FHWA.

All requirements of both the federal conformity regulation and Texas Commission on Environmental Quality (TCEQ) conformity regulation, including fiscal constraint and latest planning assumptions, have been met. The 2020-2045 MTP conforms to the Clean Air Act (CAA) Amendments of 1990.

CORPUS CHRISTI AIR QUALITY GROUP

The Group was established in 1995 to address National Ambient Air Quality Standards (NAAQS) ozone attainment issues for the Corpus Christi airshed. Participants in the Group include individuals from area municipal and county

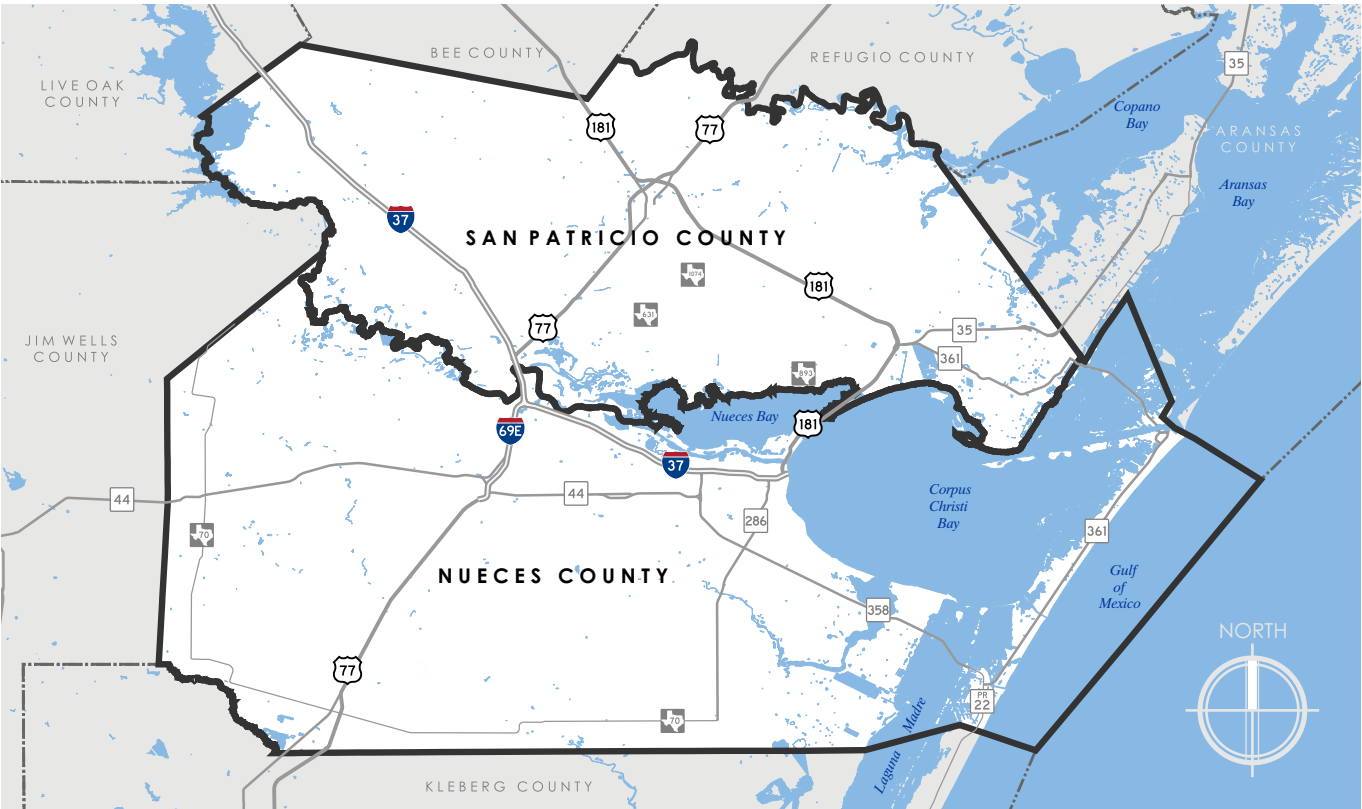


Figure (Chapter #-1. Map of the Corpus Christi Urban Airshed

government, business and industry, local universities, public agencies, a regional planning organization, regional development corporations, the military and the news media. The broad stakeholder representation within the Group works collaboratively to design and deliver effective strategies to maintain NAAQS for ozone that are suitable for the Corpus Christi area.

City of Corpus Christi, Nueces County, Corpus Christi Regional Transportation Authority, Metropolitan Planning Organization and Port of Corpus Christi Authority provide funding annually to sponsor functions of the Group. The group meets quarterly and all meetings are open to the public.

Each participant of the Group receives a meeting invitation and agenda, meeting notes that include meeting discussions and presentations, and group recommendations. During the period of May 2018 – April 2019, the Group met on June 21st, and November 13th, 2018, and February 22 of 2019.

CORPUS CHRISTI AIR QUALITY GROUP GOAL

The goal of the Corpus Christi Air Quality Group is to continue the area's successful history of maintaining healthy air quality and to encourage voluntary air emission reductions that keep Nueces County and San Patricio County in attainment with the NAAQS for ozone.

APPLICABLE STANDARDS

DRAFT

The current NAAQS for ozone: the fourth highest daily maximum 8-hour average, averaged over the past three calendar years, may not exceed 70 ppb in the Corpus Christi Airshed. The Corpus Christi Urban airshed is made up of two adjoining counties in South Texas: Nueces County and San Patricio County. Nueces County and San Patricio County, **(Figure (Chapter #- 1)** are defined by the EPA and the TCEQ as an urban airshed in which air emissions from sources in both counties interact to influence the level of ambient air pollution in the Corpus Christi community. Control of ambient air quality requires a strategy that considers sources of air emissions in both counties.

The region is a large urbanized area with a number of industrial point sources of air emissions and a concentration of mobile sources. The two counties are home to the nation's fourth busiest deep-water port with access to the Gulf of Mexico and the Gulf Intracoastal Waterway, and is home to a large and growing industrial, manufacturing, and petrochemical complex, a major military base, oil and gas exploration activity, and a network of highways including an interstate highway system, railroads, and an airport that facilitate commerce and a thriving tourism industry.

AIRSHED OZONE NAAQS STATUS AND TRENDING

The TCEQ operates two Continuous Air Monitoring Stations (CAMS) in Corpus Christi: TCEQ CAMS 4, located at 902 Airport Road; and TCEQ CAMS 21, located at 9866 La Branch Street (see **Figure (Chapter #- 2)**). TCEQ CAMS 4 and 21 are the regulatory monitors that determine Corpus Christi airshed's compliance with ozone NAAQS.

STATUS OF AIR QUALITY

The current National Ambient Air Quality Standard (NAAQS) for ozone:

The fourth highest daily maximum 8-hour average, averaged over the past three calendar years, may not exceed 70 ppb

TCEQ operates two Continuous Air Monitoring Stations (CAMS) in Corpus Christi: TCEQ CAMS 4, located at the Corpus Christi State Supported Living Center at 902 Airport Road; and TCEQ CAMS 21, located in West Guth Park at 9866 La Branch Street. Ozone levels recorded at these two monitors are used to determine the attainment status of the area. Currently, the airshed is in attainment of NAAQS for ozone at a 3-year average value using data from years 2016, 2017, and 2018 of 61 ppb at both CAMS 4 and CAMS 21 as of year-end 2018. The airshed has experienced an overall decreasing trend in ozone (see **Figure (Chapter #-3)**).

Appendix A – Air Quality contains the most current full report from the Corpus Christi Air Quality Group regarding the status of Air Quality monitoring in the MPO region and beyond.

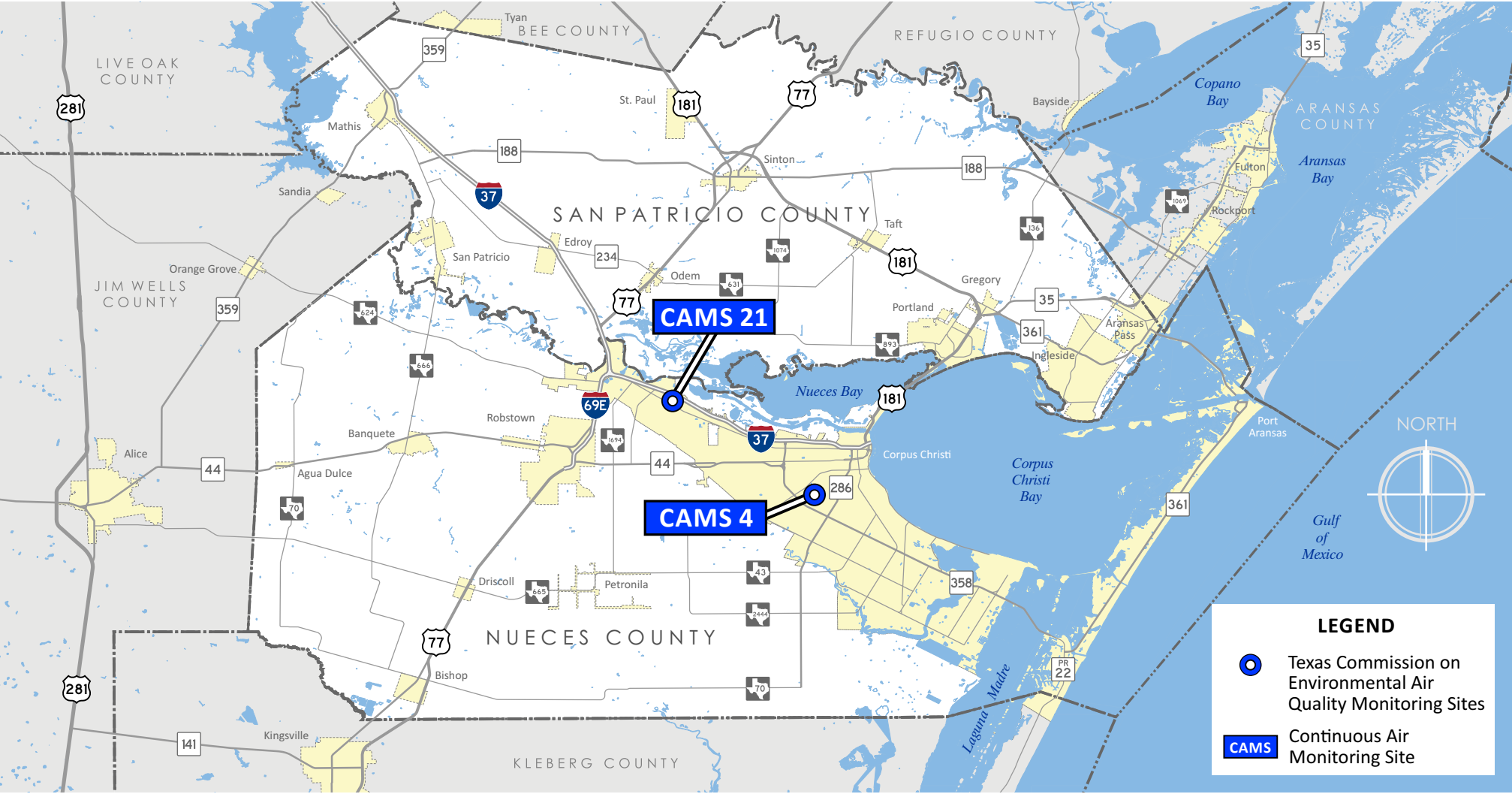


Figure (Chapter #-2). Map of TCEQ regulatory Air Quality Monitoring Sites

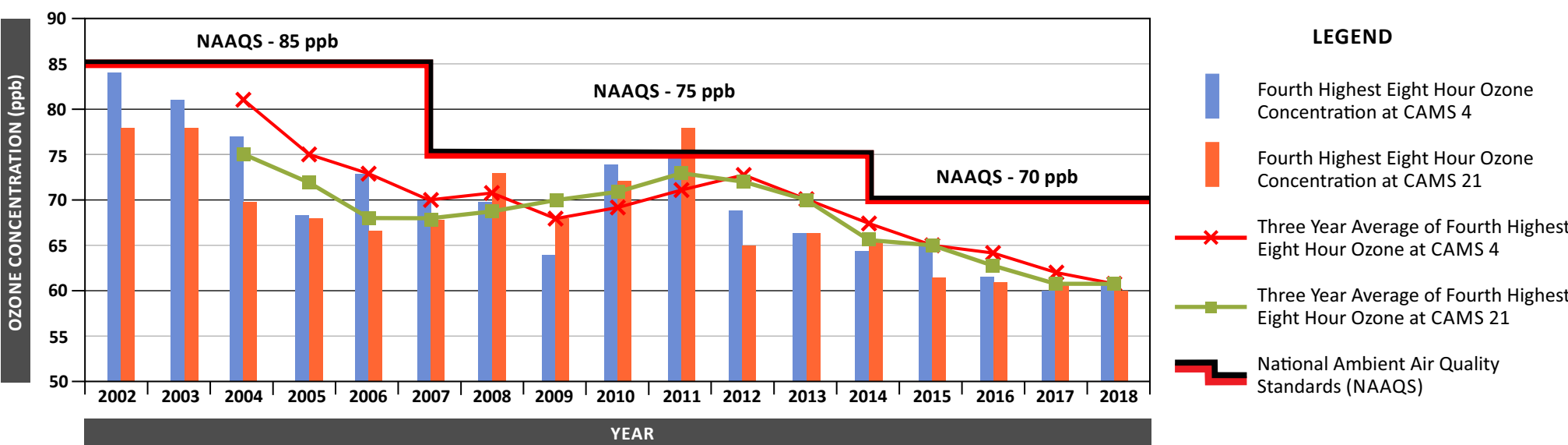


Figure (Chapter #-3). Corpus Christi Ozone Design Trends at TCEQ Regulatory Monitors, CAMS 4 and CAMS 21

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 Conformity Chapter
	TPC approves MTP DRAFT Ranked Unconstrained Project List for MPO Funding
August 15, 2019	TAC Regular Meeting
	MTP DRAFT Demographics and Travel Demand Forecasting Chapter Review
August 20-22, 2019	MTP Public Meeting #1
	Introduction to the MTP Process
	Tentative project lists for 25 years and demographics
September 5, 2019	TPC Regular Meeting
	Public meeting for the MTP
	TPC approves MTP DRAFT Demographics and Travel Demand Forecasting Chapter

2020-2045 MTP Development Working Schedule

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 #5B

2020–2045 MTP DRAFT Unconstrained Project List
for MPO Funding – Attachment No. 1

2020-2045 MTP Project Prioritization Methodology
and Performance Measures approved by the TPC
on June 6, 2019 – Attachment No. 2



Date: July 11, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 5B: 2020-2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding
Action: Review, Discuss and Recommend 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. Over the last several months, the member governments and agencies have submitted projects for inclusion on the July 11, 2019 version of this project list (see Attachment #1).

The preliminary project rankings are shown in the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding. These staff-developed DRAFT Project Rankings are based on the 2020-2045 MTP Project Prioritization Methodology and Performance Measures recommended by the TAC and approved by the TPC as a starting point for the prioritization discussions. The TAC is encouraged to review the results of the DRAFT Project Rankings and incorporate 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 project. This professional judgement and policy approach allows the TAC 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

- During the May 16, 2019 TAC meeting, TAC members agreed and recommended the 2020-2045 MTP Project Prioritization Methodology and Performance Measures to the TPC.
- The 2020-2045 MTP Project Prioritization Methodology and Performance Measures were approved by the TPC on June 6, 2019.
- During the June 12, 2019 TAC Workshop, participating TAC members and the Corpus Christi MPO staff discussed the project rankings based on the adopted 2020-2045 MTP Project Prioritization Methodology and Performance Measures.

Recommendation

The TAC has the following options to consider:

- Confirm the ranking of projects and recommend approval of the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding to the TPC as presented;
- Modify the ranking of projects within the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding and recommend approval to the TPC, or
- Table the recommendation and return the item to the MPO staff for further consideration and discussion with TAC members during a workshop.

The MPO staff recommends that the TAC recommend approval to the TPC of the project rankings within the 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding.

Proposed Motion

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

Financial Impact

None at this time.

Background

In the May 16, 2019 TAC meeting, TAC members agreed and recommended the 2020-2045 MTP Project Prioritization Methodology and Performance Measures to the TPC. The 2020-2045 MTP Project Prioritization Methodology and Performance Measures were approved by the TPC on June 6, 2019. During the June 12, 2019 TAC Workshop, participating TAC members and the Corpus Christi MPO staff discussed the project ranking based on the adopted 2020-2045 MTP Project Prioritization Methodology and Performance Measures.

Attachments

1. 2020-2045 MTP DRAFT Unconstrained Project List for MPO Funding
2. 2020-2045 MTP Project Prioritization Methodology and Performance Measures approved by the TPC on June 6, 2019

2020 – 2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding

Rank	Decision Lens Score	Adjusted Rank	Previous MTP Table ID	Status	Comments	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost (M)	Funding
1	0.72		54	Keep	Changed from anticipated cat 7 to cat 2/4/7	SH 358 (SPID) Ramp Reversal	Ramp Reversal Phase II-C (Braided ramps)	Airline Road	Everhart Road	TxDOT-CRP	Cat 2/4/7	\$41.42	
2	0.66		53	Pending	Project Pending City enhancment or deletion	SH 358 (SPID)	Upgrade ITS infrastructure	SH 286 (Crosstown)	I-37	City of Corpus Christi	Cat 7	\$11.84	
3	0.66		25	Keep	Changed funding from cat 7 to cat 2 because that is what is listed in the state's UTP Changed TPC from 41.42 to estimated 50	SH 358 (SPID) Ramp Reversal	Ramp reversal Phase II-B	Nile Drive	Staples Street	TxDOT-CRP	Cat 2	\$50.00	
4	0.64		60	Keep	Changed TPC from 59.18 to 70	SH 286 (Crosstown)	Construct 1 additional northbound travel lane with ramp upgrades	SS 544 (Agnes Street / Laredo Street)	SH 358 (SPID)	TxDOT-CRP	Cat 2	\$80.00	
5	0.63		NEW	New - Condense with Rank 19	Possibly condense with installed raised median project (MPO ID 273-17)	FM 624 (Northwest Boulevard)	Upgrade from 4-lane roadway to 6-lane roadway	CR 69	FM 73	TBD	TBD	TBD	
6	0.58		31	Keep	Changed from cat 2 to cat 2 / 4U Changed TPC from 11.84 to estimated 14	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	Cat 2 / 4U	\$14.00	
7	0.58		19	Keep		US 181 Ramp Reversals	Reverse entrance and exit ramps in Northbound direction	FM 3296 (Buddy Ganem Drive)	FM 2986 (Wildcat Drive)	TxDOT-CRP	Cat 2	\$4.73	
8	0.56		33	Keep	TPC pending from City Changed from cat 2 to cat 7	SS 544 (Agnes Street / Laredo Street)	Operational improvements without adding capacity	SH 286 (Crosstown)	Coopers Alley	City of Corpus Christi	Cat 7	\$6.51	
9	0.56		New			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	\$100.00	
10	0.54		61	Keep	Changed from Anticipated cat 4(3C) to cat 2/4	I-37	Construct ramp improvements	FM 1694	I-69 Interchange	TxDOT-CRP	Cat 2 / 4	\$70.00	
11	0.53		34			PR 22	Corridor upgrade for pedestrian and access management improvements without adding capacity	Aquarius Street	Whitecap Boulevard	TxDOT-CRP	Cat 2	\$18.94	
12	0.52		23	Keep	Changed TPC from 41.42 to estimated 60	I-37	Widen freeway by constructing additional 2 travel lanes northbound and 1 additional travel lane southbound	Redbird Lane (Overpass)	Nueces River	TxDOT-CRP	Cat2 / Cat4(3c) / Other (Cat12)	\$60.00	
13	0.50		26	Keep	Changed from cat 7 to cat 2 Changed TPC from 18.94 to estimated 40	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	Cat 2	\$40.00	
14	0.50		62	Covered by another project	Project is being covered by project with MPO ID S089C2000 (Rank 13)	SH 286 (Crosstown) Extension	Upgrade to 4-lane divided freeway by constructing mainlanes and interchanges	FM 43 (Weber Road)	FM 2444	TxDOT-CRP	Cat 2	\$35.51	
15	0.47		46, 63	Pending	Pending segment listing from City	Regional Parkway	NEW Location: Construct 4-lane roadway (Segments A and B)	PR 22	SH 286 (Crosstown)	City of Corpus Christi	Cat 7	\$42.61	
16	0.45		64-69	Pending	Pending segment listing from City	Regional Parkway	NEW Location: Construct 4-lane roadway (Segments C through G)	SH 286 (Crosstown)	I-37	City of Corpus Christi	Cat 7	\$348.99	
17	0.45		New	Pending	Pending conversation from TxDOT and Nueces Changed sponsor from TxDOT to TBD	FM 43 (Weber Road)	Install signalized traffic signal and left turn lane	At intersection of FM 43 and CR 33	N/A	TBD	TBD	TBD	
18	0.44		56	Keep	Changed TPC from 35.51 to 40 Changed from anticipated cat 7 to cat 2/7	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	Cat 2 / 7	\$40.00	
19	0.42		57	Condense with Rank 5	Possibly condense with MPO ID 269-17	FM 624 (Northwest Boulevard)	Install raised medians	River Hills Drive	East Riverview Street	TxDOT-CRP	Cat 7	\$4.50	
20	0.40		New			SH 286 (Crosstown) Braided Ramp	Construct braided ramps northbound from Holly to SH 358	South of Holly Road	SH 358 (SPID)	TxDOT-CRP	TBD	\$60.00	
21	0.38		35-36, 38,73-74	Pending	Pending segment listing from City	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	Cat 7	\$39.41	
22	0.38		New			I-69	Construct braided ramps northbound from FM 624 to I-37	FM 624 (Northwest Boulevard)	I-37	TxDOT-CRP	TBD	\$50.00	
23	0.38		New		Pending conversation from TxDOT and Nueces Changed sponsor from TxDOT to TBD	FM 624 (Northwest Boulevard)	Install signalized traffic signal	At intersection of FM 624 and River Trail Drive	N/A	TBD	TBD	TBD	
24	0.37		37	Keep	Changed from anticipated cat 2 to cat 2/4	SH 361	Upgrade/add direct connectors	At SH 35 interchange	0.6 miles Southeast on SH 361	TxDOT-CRP	Cat 2 / 4	\$71.01	

2020 – 2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding

Rank	Decision Lens Score	Adjusted Rank	Previous MTP Table ID	Status	Comments	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost (M)	Funding
25	0.35		71			Timon Boulevard / Surfside Boulevard	Rehabilitate without additional capacity, construct bicycle facilities	Beach Avenue	Burleson Street	City of Corpus Christi	TBD	TBD	
26	0.34		70			SH 361	Construct additional 2 lanes for 4-lane divided section	Access Road 1 in Port Aransas	PR 22	TxDOT-CRP	Cat 4 (3C)	\$125.00	
27	0.33		27	Keep	Removed flyover from description	PR 22	Feasibility study: intersection upgrade	At SH 361/PR 22 intersection	Zahn Road	TxDOT-CRP	Cat 7	\$1.78	
28	0.33		59			PR 22	Intersection upgrade/ flyover	At SH 361/PR 22 intersection	Zahn Road	TxDOT-CRP	Cat 7	\$53.26	
29	0.33		51			Holly Road	Upgrade 5-lane urban roadway by constructing additional 2 lanes and CLTL	Rodd Field Road (SH 357)	Paul Jones Avenue	City of Corpus Christi	Cat 7	\$9.47	
30	0.29		New			Violet Road	Replace bridge, increase vertical clearance, widen overpass to include shoulders and turnabouts	At I-37	N/A	TxDOT-CRP	TBD	\$18.00	
31	0.29		40			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	Cat 7	\$16.92	
32	0.27		30			Holly Road	Construct Phase I to include CLTL, shoulders, cycle track; no added capacity	SH 286 (Crosstown)	Greenwood Drive	City of Corpus Christi	Cat 2	\$7.93	
33	0.27		39			Holly Road Travel Lanes	Construct Phase II by adding 2 additional travel lanes	SH 286	Greenwood Drive	City of Corpus Christi	Cat 7 / Other (Cat 3L)	\$4.73	
34	0.27		47			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	Cat 7	\$23.67	
35	0.27		58			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	Cat 7	\$17.75	
36	0.26		New			FM 2292 (Rand Morgan Road) 5-lane	Construct additional travel lanes for 5 lane roadway	I-37	South of McNorton Road	TxDOT-CRP	TBD	\$20.00	
37	0.25		49			CR 72	Construct 2 additional travel lanes (CTWLTL)	FM 2986 (Wildcat Drive)	CR 2032	City of Portland	Cat 7	\$5.92	
38	0.25		76			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	Cat 7	\$5.00	
39	0.24		69			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	Cat 7	\$8.00	
40	0.24		55			SH 357 (Saratoga Boulevard)	Construct 2 additional lanes with CLTL	FM 665 (Old Brownsville Road)	Calle Cuernavaca	TxDOT-CRP	Cat 7	\$14.20	
41	0.23		48			Akins Drive	Construct 2 additional travel lanes	Lang Road	Wildcat Drive (FM 2986)	City of Portland	Cat 7	\$7.10	
42	0.22		52			North Staples Extension	Extend North Staples Street by constructing 2-lane roadway with bicycle and pedestrian facilities on new location	West Broadway Street	North Tancahua Street	City of Corpus Christi	Cat 2	\$9.47	
43	0.19		22			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	Cat 2 / Other (Cat 1)	\$8.28	
44	0.18		72			FM 2292 (Rand Morgan Road)	Rehabilitate and widen to add CLTL	Leopard Street	I-37	TxDOT-CRP	Cat 7	\$4.00	
45	0.16		50			Kay Bailey Hutchison Road Extension	Construct 2-lane roadway on new location	US 181	FM 2986 (Wildcat Drive)	Port of Corpus Christi	Cat 7	\$5.92	
46	0.12		75			Oso Pedestrian Connection	Construct pedestrian and bicycle bridge across Oso to Millenium Campus	Momentum Campus at Ennis Joslin Road	TAMUCC Campus	TAMUCC	Cat 7	\$5.00	
47	0.11		77			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	Cat 7	\$2.50	
48	0.08		21			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	Cat 7	\$1.42	
NR	0.00	NR	4	Committed		Akins Drive Pedestrian and Bike Facility	Construct Hike and Bike Trail	Lang Road	Wildcat Drive (FM 2986)	City of Portland	Cat 9	\$0.51	
NR	0.00	NR	2	Committed		Dr. Hector P Garcia Park Hike and Bike Trail	Construct Hike and Bike Trail	Greenwood Drive	N/A	City of Corpus Christi	Cat 9	\$0.39	
NR	0.00	NR	17	Committed		Dr. Hector P Garcia Park Hike and Bike Trail: Phase II	Construct and design Hike and Bike Trail	Trojan Drive	Horne Road	City of Corpus Christi	Cat 9	\$0.70	
NR	0.00	NR	14	Committed		FM 2986 (Wildcat Drive)	Upgrade from 2-lane roadway to 5-lane urban roadway by constructing additional 2-lanes and CLTL	US 181	FM 3239 (Buddy Ganem Drive)	TxDOT-CRP	Cat 2 / Other (Cat 1)	\$15.98	

2020 – 2045 Metropolitan Transportation Plan (MTP)
DRAFT Unconstrained Project List for MPO Funding

Rank	Decision Lens Score	Adjusted Rank	Previous MTP Table ID	Status	Comments	Project Name	Description	From Limit	To Limit	Sponsor	Funding Category	Total Project Cost (M)	Funding
NR	0.00	NR	20	Keep But Will Not Be Scored		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	Cat 7 / Other (Cat 3L)	\$5.68	
NR	0.00	NR	32	Keep But Will Not Be Scored		Intelligent Transportation Systems	Integrated Corridor Management - ITS improvements	Various Locations possible including	IH 37, SH 358, US 181, SH 286, PR 22, SH 361	City of Corpus Christi	Cat 7	\$11.84	
NR	0.00	NR	11	Committed		Memorial Parkway Hike and Bike: Phase II	Construct Hike and Bike Trail	FM 2986 (Wildcat Drive)	Billy G. Webb Drive	City of Portland	Cat 9	\$0.40	
NR	0.00	NR	6	Committed		Pedestrian and Bike	Pedestrian and bike facility improvements	At Various Locations on Brewster Street	N/A	City of Corpus Christi	Cat 7	\$1.42	
NR	0.00	NR	8	Committed		Portland Bicycle Lanes	Construct one way cycle track and buffered bicycle lanes	At Various Locations in Portland	N/A	City of Portland	Cat 9	\$0.41	
NR	0.00	NR	28-29	Keep But Will Not Be Scored		Regional Parkway	NEPA Process for new location 4-lane roadway (Segments A and B)	PR 22	SH 286 (Crosstown)	City of Corpus Christi	Cat 7	\$3.78	
NR	0.00	NR	41-45	Keep But Will Not Be Scored		Regional Parkway	NEPA Process for new location 4-lane roadway (Segments C through G)	SH 286 (Crosstown)	I-37	City of Corpus Christi	Cat 7	\$9.45	
NR	0.00	NR	7	Committed		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	Cat 9	\$0.62	
NR	0.00	NR	9	Committed		Roadway Operation and Maintenance	Upgrade/install traffic signals and add right turn lane at Islander Way	On Spur 3 (Ennis Joslin Road) from SH 358	Sand Dollar Boulevard	TxDOT-CRP	Cat 7	\$1.22	
NR	0.00	NR	10	Committed		Safe Shelter and Crossing Program	Hawk signal at Ocean Drive and Del Mar Boulevard	On Ocean Drive	At Del Mar Boulevard	City of Corpus Christi	Cat 9	\$0.19	
NR	0.00	NR	1	Committed		Schanen Ditch Hike and Bike Trail	Construct Hike and Bike Trail	Saratoga Boulevard (SH 357)	Killarmet Drive	City of Corpus Christi	Cat 9	\$0.75	
NR	0.00	NR	18	Committed		Schanen Ditch Hike and Bike Trail: Phase IV	Construct and design Hike and Bike Trail	Killarmet Drive	Holly Road	City of Corpus Christi	Cat 9	\$0.39	
NR	0.00	NR	5	Committed		SH 358 (SPID) Ramp Reversal	Ramp reversal Phase II-A - south side only	Nile Drive	Ayers Street	TxDOT-CRP	Cat 2	\$50.54	
NR	0.00	NR	13	Committed		SH 44 (Agnes Street)	Upgrade from 4-lane divided highway to 4-In freeway w/frontage Roads by constructing 4 mainlanes, interchanges, and frontage roads	West of FM 3386 (Mckinzie Road)	East of FM 1694	TxDOT-CRP	Cat 2 / Cat 4(3c) / Other (Cat 12)	\$21.89	
NR	0.00	NR	3	Committed		Strategic Integration Travel Demand Model (TDM) Feasibility Study	Strategic Integration TDM incorporating land use and public transit mode split	Various Locations in Corpus Christi	N/A	City of Corpus Christi	Cat 7	\$0.54	
NR	0.00	NR	15	Committed		US 181	Construct Grade Separation over Sunset Road by building 4-lane divided mainlanes at existing at-grade intersection	at SH 35 intersection	N/A	TxDOT-CRP	Cat 4(3c) / Other (Cat 12 & Cat 1)	\$43.20	
NR	0.00	NR	16, 24	Keep But Will Not Be Scored		US 181 Harbor Bridge Voluntary Relocation Program	US 181 Harbor Bridge Voluntary Relocation Mitigation Program	N/A	N/A	MPO	Cat 7 / Other (3L & ROW)	\$10.70	
NR	0.00	NR	12	Committed		US 181 Operational Improvements	Construct auxiliary lanes and ramp reversals to existing 4-lane freeway	Sunset Road	FM 3239 (Buddy Ganem Drive)	TxDOT-CRP	Other (Prop 1)	\$12.90	

2020 – 2045 Metropolitan Transportation Plan (MTP)

Project Prioritization Methodology and Performance Measures

Performance Measures		Weight	Description
System Reliability		40.00%	Description
Efficiency and Economic Competitiveness (Congestion)	Planning Time Index (PTI)	4.00%	Planning Time Index represents the total travel time that should be planned when sufficient buffer time is included to account for anticipated congestion.
	Travel Time Index (TTI)	4.00%	Travel Time Index is the total elapsed time (in seconds) spent driving a specified distance. The ratio of the travel time during the peak period to the time required to make the same trip at free-flow speeds. A value of 1.30, for example, indicates a 20-minute free-flow trip requires 26 minutes during the peak period (20 minutes × 1.30 = 26 minutes).
	Truck Travel Time Index (TTTI)	4.00%	Truck Travel Time Index is the ratio of the peak-period truck travel time as compared to the free-flow truck travel time. This measure is computed for the AM peak period (6:00 a.m. to 9:00 a.m.) and PM peak period (4:00 p.m. to 7:00 p.m.) on weekdays.
Infrastructure Condition	Texas Highway Freight Network (THFN)	10.00%	Is the project on the THFN?
	National Highway System (NHS)	10.00%	Is the project on the NHS?
	International Roughness Index (IRI) / Pavement Condition Index (PCI) Rating	8.00%	IRI and PCI ratings were utilized to determine the overall condition of the corridor within the project limits: Poor, Fair, or Good. IRI was used for state maintained corridors. PCI was used for city maintained corridors.
Safety		30.00%	Description
Injuries and Fatalities	Number of Fatal Crashes	3.33%	Five year average of all fatal crashes within the project limits.
	Number of Serious Injury Crashes	3.33%	Five year average of all serious injury crashes within the project limits.
	Number of Non-motorized Fatal and Serious Injury Crashes	3.33%	Five year average of all non-motorized fatal and serious injury crashes within the project limits.
Crashes	Crash Rate	10.01%	Five year average of all crashes within the project limits.
Hurricane Evacuation Route (HER)		10.01%	Is the project on or serving as a hurricane evacuation route (HER)?
Multi-modal Use and Opportunity		15.00%	Description
Active Mobility	Bike Mobility Network	7.94%	Is the project on the Strategic Plan for Active Mobility's bike mobility network?
Transit	Transit System	7.06%	Is the project on the local transit system?
Stewardship		15.00%	Description
Equity / Accessibility	Number of Title VI / Environmental Justice population groups that are served	7.94%	Number of population groups that the project serves. Title VI: Disability, Ethnic Minority, Female, Limited English Proficiency, National Origin, Over Age 65, Under Age 18 Environmental Justice: Low Income, Minority
	Direct access to destinations	7.06%	Destinations that the project has direct access to: Schools, Groceries, Medical Resources, Civic Institutions, Low Income Housing, Place of Worship, Recreation/Tourism, Retail

ATTACHMENT ITEM #6A

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



Date: July 11, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 6A: FY 2019-2022 Transportation Improvement Program (TIP)
Administrative Amendment #1-CCRTA Projects
Action: Information Only

Summary

The Corpus Christi Regional Transportation Authority (CCRTA) requested the Corpus Christi MPO to amend the FY 2019-2022 Transportation Improvement Program (TIP) regarding transit projects that were previously approved as part of the TIP. The amendments were directed by the Federal Transit Administration (FTA) to use prior fiscal year funding and to align the Urbanized Area Formula Funding Program Section 5307 funds for the eight projects listed in the table below. There are no changes to the scope or project costs, therefore this amendment is considered administrative by FTA and TxDOT. The Corpus Christi MPO submitted a request to TxDOT - Transportation Planning and Programming (TPP) Division and these changes were made on June 10, 2019.

Program Year	MPO ID	Project Name/Description	FTA 5307 Funds	Other Sources	Total	Amendment
FY 2019	T-114-19	2 Hybrid SUV Replacement	\$59,928	\$14,982	\$74,910	Apportionment Year from 2018 to 2017
FY 2019	T-115-19	Port A Fleet Replacement	\$68,000	\$17,000	\$85,000	Apportionment Year from 2018 to 2017
FY 2019	T-116-19	Paratransit Fleet Replacement	\$1,408,000	\$352,000	\$1,760,000	Apportionment Year from 2018 to 2017
FY 2019	T-117-19	2 *VPG Support Vehicles	\$54,400	\$13,600	\$68,000	Apportionment Year from 2018 to 2017
FY 2020	T-110-18A	Bus Stop Shelters Amenities	\$419,000	\$104,750	\$523,750	Apportionment Year from 2019 to 2017
FY 2020	T-107-18A	Mobile Bus List	\$34,000	\$6,000	\$40,000	Apportionment Year from 2019 to 2017
FY 2021	T-127-19	Bus Stop Improvements	\$800,000	\$200,000	\$1,000,000	Apportionment Year from 2020 to 2017
FY 2021	T-128-19	Mobile Bus Lift	\$36,000	\$9,000	\$45,000	Apportionment Year from 2020 to 2017

*VPG = Vehicle Production Group LLC, an American automobile manufacturer

Recommendation

None. Information Only Item.

Proposed Motion

None. Information Only Item.

Financial Impact

None. All funds were previously programmed and committed for these uses.

Background

The Corpus Christi MPO's Transportation Improvement Program (TIP) is a four-year transportation project plan that must be developed in cooperation with the State Department of Transportation and public transit provides required under 29 U.S.C, 5303, Metropolitan Transportation Planning. The Urbanized Area Formula Funding Program Section 5307 funds are for transit capital and operation assistance in urbanized areas and for transportation related planning. Areas with populations of 200,000 and more receive the Section 5307 funds based on the formula of combination of bus revenue vehicle miles, bus passenger miles, fixed guideway revenue vehicle miles, and fixed guideway route miles, population, and population density. Each project requires a local match (20%) of the total project cost.

ATTACHMENT ITEM #7A

Federal Highway Administration (FHWA)
Talking Freight Seminar: The Impact of
Emerging Technologies on Freight Transportation
and Land Use



Date: July 11, 2019
To: Technical Advisory Committee (TAC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 7A: Federal Highway Administration (FHWA) Talking Freight Seminar:
The Impact of Emerging Technologies on Freight Transportation and Land Use
Action: Information Only

Summary

The Federal Highway Administration (FHWA's) Office of Freight Management and Operations and the Office of Planning host the "Talking Freight" seminars monthly. The next seminar is "The Impact of Emerging Technologies on Freight Transportation and Land Use" on July 17, 2019, 12:00 PM CT. Please note this date and time is prior to the TAC meeting.

The seminar topic for this month is: *Various emerging freight transportation-related technologies such as drones and automated truck and non-freight transportation technologies including electric bikes and scooters, will likely increasingly impact and be impacted by freight transportation logistics needs and the related economic concerns in the coming years. The adoption of these new transportation technologies will alter both transportation usage and land use patterns, creating significant implications for the government agencies focused on transportation and/or land use considerations across all levels of government – federal, state, metropolitan/regional, and local. It will be important for governmental agencies to understand and track the implementation of these new technologies in the short and long term.*

Speakers and Topics:

- Overview of Emerging Technology Impacts on Transportation and Land Use – Setting the Stage by Jose Holguin-Veras, Rensselaer Polytechnic Institute
- Emerging Technologies and Transportation Considerations by Kazuya Kawamura, University of Illinois – Chicago
- Emerging Technologies and Land Use Considerations by Catherine Lawson, State University of New York at Albany

Registration is free and the registration link is:

https://ops.fhwa.dot.gov/freight/fpd/talking_freight/index.htm

Recommendation

None. Information Only Item.

Proposed Motion

None. Information Only Item.

Financial Impact

None at this time.

Background

The Corpus Christi MPO has been providing freight-related topics such as seminar or webinar information, freight trends, statistics for TAC members at the monthly TAC meeting as a part of the freight planning process requirements.