

TECHNICAL ADVISORY COMMITTEE (TAC)
SCHEDULED MEETING AGENDA PACKET

9:00 A.M., Thursday, March 21, 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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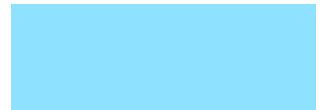
TAC Meeting Agenda – March 21, 2019

ATTACHMENTS

February 21, 2019 – TAC Meeting Notes

ITEM #5A – RTA Transit Projects Amendment to the FY 2019-2022 Transportation Improvement Program (TIP) and 2015-2040 Metropolitan Transportation Plan (MTP).

ITEM #6A – The Texas Transportation Commission has asked for MPOs and Districts to submit the following information regarding Categories 2, 4U and 12 projects.



TECHNICAL ADVISORY COMMITTEE (TAC) MEETING AGENDA

9:00 a.m., Thursday, March 21, 2019

Corpus Christi Regional Transportation Authority (RTA)
602 N. Staples Street, 2nd Floor Boardroom, Corpus Christi, Texas 78401

1. **Call to Order and Quorum determination**
2. **Roll Call**
3. **Introduction of visiting agency officials**
4. **Public Comments on Agenda Items**

Opportunity for public comment on TAC agenda items within the Committee's jurisdiction (except in matters related to pending litigation) is available. Proceedings are recorded. We ask that remarks be limited to three minutes, that you identify yourself, and give your address.

5. **Presentation, Discussion and Possible Action**

- A. **RTA Transit Projects Amendment to the FY 2019-2022 Transportation Improvement Program (TIP) and 2015-2040 Metropolitan Transportation Plan (MTP). Presenter: Christina Perez, DBE/EEO Compliance Officer.**

Ms. Christina Perez briefs the necessary preventive maintenance projects added to the FY 2019-2022 TIP and MTP.

Staff is seeking action in the form of recommendation to the Transportation Policy Committee (TPC) to approve the proposed amendment.

6. **Presentation and Discussion**

- A. **The Texas Transportation Commission has asked for MPOs and Districts to provide additional input on their Categories 2, 4U and 12 projects.**

Ms. Paula Sales-Evans briefs the Texas Transportation Commission's request to submit the Category 2 (Metro and Urban Area Corridor), 4U (Statewide Connectivity Corridor), and 12 (Strategic Priority) project information.

7. **Freight Topics**

- A. **TxDOT's Texas Freight Studies Survey**

TxDOT is looking for the feedback on the Texas truck parking and freight infrastructure design studies. The survey is available here: [Texas Freight Mobility Survey](#). The survey is open until March 31, 2019.

8. **Member Agency Project Update (Project Tracker)**

9. **Staff Briefing**

- A. **MPO Director Recruitment Status**
- B. **Metropolitan Transportation Plan (MTP) Update**
- C. **Transportation Policy Committee Meeting: April 4, 2019**
- D. **Next Technical Advisory Committee Meeting: April 18, 2019**

10. **TAC Committee Members' Comments and Concerns**

11. **Adjourn**

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 884-0687 at least 48 hours in advance so that appropriate arrangements can be made.

If you would like us to explain this information, or you would like it in Spanish, please call us at (361) 884-0687 or contact us by email at ccmpo@cctxmpo.us. We are located at 602 N. Staples Street, Suite 300, Corpus Christi, TX 78401. Copies available upon request.

Información en Español: Si usted desea esta información en Español o si desea explicación sobre el contenido, por favor llámenos al teléfono (361) 884-0687 o comuníquese con nosotros mediante correo electrónico a ccmpo@cctxmpo.us. Nuestras oficinas están ubicadas en el 602 N. Staples Street, Suite 300, Corpus Christi, TX 78401. Copias se proveerán a petición.



ATTACHMENT

February 21, 2019 TAC Meeting Notes

**CORPUS CHRISTI METROPOLITAN PLANNING ORGANIZATION (MPO)
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING NTOES
Thursday, February 21, 2019**

1. Call to Order and Quorum determination

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

2. Roll Call by TAC Chair

Present: Brian DeLatte, P.E., City of Portland, Sarah Munoz, P.E., City of Corpus Christi, Jeff Pollack, AICP, Port of Corpus Christi; Howard Gillespie, San Patricio County; Juan Pimental, P.E., Nueces County; Richard Bullock, Coastal Bend Council of Governments.

Staff Present: Daniel Carrizales, Victor Mendieta, and Yoshiko Boulan

3. Introduction of visiting agency officials

Mr. DeLatte welcomed all in attendance.

4. Public Comments on Agenda Items

Mr. DeLatte asked for public comments on agenda items; no public comments were offered.

5. Presentation

A. 2020 Census: What You Should Know and Do Know

Mr. David Gossett, Partnership Specialist, United States Census Bureau will give a presentation on the 2020 Census.

Mr. Gossett briefed on the 2020 Census. A Census is required by the Article 1, Section 2 of the US Constitution. State of Texas gained 4 seats in the apportionment based on the 2010 official results and is expected to gain more after the 2020 Census. Census data must be confidential, and the Census Bureau never shares this information with any other government agencies and violating confidentiality is considered a serious federal crime. Census data is used for distributing more than \$676 billion in federal funds such as transportation, housing, people with disabilities, the elderly, and child programs and so forth. The State of Texas receives over \$43 billion dollars per year, \$1,578 per capita. The major difference between 2020 Census and 2010 Census is the introduction of technology. People can respond online, by phone, or by mail and therefore household visits will be cut down. The Census Bureau has been preparing for the 2020 Census since Spring 2018. The Census Bureau is mobilizing a Complete Count Committee (CCC) in each community to promote and encourage responses to the Census 2020 in cooperation with local elected officials. Also, the Census Bureau created an interactive map called Response Outreach Area Mapper (ROAM) to highlight low response rates (census.gov/roam). Mr. Gossett informed that an estimated 5% of children under age of 5 are not included in the census count and requested our help to close this gap.

Ms. Munoz asked if the CCC is formed, can they receive assistance, and Mr. Gossett stated that the necessary training and assistance would be provided.

6. Discussion

A. Discussion on the development of the 2020 – 2045 Metropolitan Transportation Plan (MTP)

The 2020 – 2045 MTP must be submitted to Texas Department of Transportation (TxDOT) in December 2019. MPO is required to develop the plan with the local entities, transit, TxDOT Corpus Christi District (TxDOT-CRP), and stakeholders in a cooperative, comprehensive, and continuing process.

Mr. Carrizales informed TAC members that staff has been developing the 2020-2045 MTP with technical assistance from Texas A&M Transportation Institute (TTI) and TxDOT MPO coordinator and has made significant progress. He asked member agencies to submit updated narratives to be included into the MTP update, adding he would email previous 2015-2040 MTP narratives as reference material. Mr. Carrizales

also added that he would be sending electronic project nomination forms and request agencies to submit their nominated projects by March 7, 2019, for discussion at the March 21, TAC meeting.

Mr. Pollack stated that there was a discussion to switch the MTP from a 25 year plan to a 20 year plan due to the easier funding prediction based on the TxDOT's 10 years Unified Transportation Plan (UTP).

The TAC members recommended pursuing the 20-year MTP, 2020 – 2040, unless there is a statutory requirement. Mr. Carrizales will contact FHWA and inquire if the statutory requirement exists.

B. Discussion on the development of the Transportation Needs Survey for 2020 – 2045 MTP

The Transportation Needs Survey for the 2020 – 2045 MTP will launch on March 1, 2019.

The MPO staff has been working on the 2020 – 2045 MTP transportation Needs Survey that was attached in the agenda packet sent on February 14, 2019. Mr. Carrizales provided a revised draft survey for 2020 – 2045 MTP with the input from Ms. Tina Geiselbrecht, TTI, specialized in public involvement. The survey contains the previous 2014 survey questions, with additional questions that ask for primary mode of transportation and identifying three most critical transportation issues, and demographic questions with 2 new categories (age and ADA needs). Mr. Carrizales requested TAC members' input on the survey by February 25, 2019 to finalize the survey.

7. Freight Topics

A. The U. S. Department of Transportation (USDOT) the Infrastructure for Rebuilding America (INFRA) grant opportunity.

US DOT's 2nd round of INFRA grant opportunity is available. The application deadline for this grant is March 4, 2019.

Mr. Pollack informed that the Port Commission authorized to submit an application for small category (\$3 million to \$25 million), a railyard storage in Suntide area on February 19, 2019 Commission meeting.

8. Member Agency Project Update (Project Tracker)

Mr. Mendieta provided the most current project list to TAC members and requested updates if the project status has changed. The MPO's Project Tracker legend has been revised to reflect the changes made to TxDOT's Project Tracker.

Ms. Munoz requested to add a category in the legend to correctly categorize the City's strategic integration model project that will not fit into the current categories. Mr. Mendieta will accommodate the request.

9. Staff Briefing

A. MPO Director recruitment status

Mr. Carrizales informed the TAC that the new director hiring is under negotiation and there are currently no updates. More information may be available on March 7, 2019 Transportation Policy Committee (TPC) meeting.

B. TxDOT National Highway System Review Interagency Meeting

Mr. Carrizales informed that the MPO hosted a workshop with TxDOT Transportation Planning and Programing (TPP) and representatives from Jacob to review their findings from the National Highway System Study for the Corpus Christi MPO area. The MPO will schedule a second workshop with TAC members to review the findings and provide feedback by March 9.

C. Transportation Policy Committee Meeting: March 7, 2019

The next TPC meeting is scheduled for March 7, 2019.

D. Technical Advisory Committee Meeting: March 21, 2019

The next TAC meeting is scheduled for March 21, 2019.

10. TAC Committee Member's Comments and Concern

None.

11. Adjourn

The meeting adjourned at 9:44 a.m.



ATTACHMENT ITEM #5A

RTA Transit Projects Amendment to the
FY 2019-2022 Transportation Improvement Program (TIP)
and 2015-2040 Metropolitan Transportation Plan (MTP)



MEMORANDUM

TO: Technical Advisory Committee (TAC)
FROM: Daniel V. Carrizales, Interim MPO Transportation Planning Director
SUBJECT: TAC Agenda Item #5A – Add Corpus Christi Regional Transportation Authority Transit Projects Amendment to the FY 2019-2022 Transportation Improvement Program (TIP) and 2015-2040 Metropolitan Transportation Plan (MTP)
DATE: March 18, 2019

The Corpus Christi Regional Transportation Authority (RTA) has requested amending the **FY 2019-2022 Transportation Improvement Program (TIP)** and the **2015-2040 Metropolitan Transportation Plan (MTP)** transit projects to add the following projects:

Program Year	Project Name/Description	Funding	Total Project cost
FY 2019	Preventive Maintenance	5307	\$1,000,000
FY 2020	Preventive Maintenance	5307	\$1,000,000
FY2021	Preventive Maintenance	5307	\$1,000,000
FY 2022	Preventive Maintenance	5307	\$1,000,000

Preventive Maintenance is necessary to keep federally funded vehicles, equipment, and facilities in good operating condition and required by Federal Transit Administration (FTA).

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Per Fixing America’s Surface Transportation (FAST) Act requirements, the TIP update necessitates amending the 2015 – 2040 Metropolitan Transportation Plan (MTP) and the additional project have been included.

Staff is seeking action by the TAC in the form of a recommendation to the Transportation Policy Committee (TPC) to approve the proposed FY 2019-2022 TIP update.



TIP AMENDMENT – CCRTA FY 2019-2022

**CORPUS CHRISTI MPO TECHNICAL ADVISORY COMMITTEE
MARCH 21, 2019**

CHRISTINA PEREZ, DBE/EEO COMPLIANCE OFFICER



Preventive Maintenance (FY 2019 – 2022)

Preventive Maintenance (PM)*

All the activities, supplies, materials, labor, services, and associated costs required to preserve or extend the functionality and serviceability of the asset in a cost effective manner, up to and including the current state of the art for maintaining such as asset.

*As defined by the
Federal Transit
Administration (FTA)



Preventive Maintenance (FY 2019 – 2022)

PM can be used in the following areas:

- Maintenance Administration
- Servicing revenue vehicles
- Inspection and maintenance of revenue vehicles
- Accident repairs of revenue vehicles
- Vandalism repairs of revenue vehicles
- Servicing and fueling of service vehicles
- Inspection and maintenance of service vehicles



Preventive Maintenance (FY 2019 – 2022)

Project Description	FY	Total Project Cost
Preventive Maintenance	2019	\$1,000,000.00
Preventive Maintenance	2020	\$1,000,000.00
Preventive Maintenance	2021	\$1,000,000.00
Preventive Maintenance	2022	\$1,000,000.00



QUESTIONS





ATTACHMENT ITEM #6A

The Texas Transportation Commission has asked for MPOs and Districts to provide additional input on their Categories 2, 4U and 12 projects

Corpus Christi MPO Project Prioritization Background

- **November 2016** TAC Discussion Item 4B to **Prioritize Cat 2 and Cat 4(3c) Projects**

Recommended Priority Metropolitan and Urban Corridor (Cat 2) Projects FY2018-2023												
HWY	COUNTY	LIMIT FROM	LIMIT TO	LANMARK DESCRIPTION	TOTAL EST.	FY18	FY19	FY20	FY21	FY22	FY23	TOTAL FUNDING
1543	Nueces	0481 CP 164.005	0481 PT 234	Corpus Christi, US 101 to 361	\$ 1,450,000							\$ 1,450,000
FR 22	Nueces	0481-14	0481-14	Priority study for reconnection of US 101/281	\$ 1,450,000							\$ 1,450,000
FR 200	San Patricio	11-191	FM 1200 to 144	Connect additional lanes with center turn lane	\$ 13,000,000							\$ 13,000,000
FR 22	Nueces	0481-15-15	Interchange Blvd	Interchange reconstruction	\$ 11,000,000							\$ 11,000,000
SR 386	Nueces	FR 43	SR 200 (Vadito to)	Interchange reconstruction	\$ 11,000,000							\$ 11,000,000
1571	San Patricio	FR 101 to 102	FR 101 to 102	Priority study for reconnection of US 101/281	\$ 4,500,000							\$ 4,500,000
1571	San Patricio	FR 101 to 102	FR 101 to 102	Priority study for reconnection of US 101/281	\$ 1,000,000							\$ 1,000,000
1571	San Patricio	SR 202	SR 202	Priority study for reconnection of US 101/281	\$ 2,500,000							\$ 2,500,000
1571	San Patricio	SR 202	SR 202	Priority study for reconnection of US 101/281	\$ 1,000,000							\$ 1,000,000
1571	San Patricio	SR 202	SR 202	Priority study for reconnection of US 101/281	\$ 1,000,000							\$ 1,000,000
1571	San Patricio	SR 202	SR 202	Priority study for reconnection of US 101/281	\$ 1,000,000							\$ 1,000,000
SR 386	Nueces	151-25-13	SR 386-13	Interchange reconstruction	\$ 2,250,000							\$ 2,250,000
												\$ 23,700,000
												\$ 24,150,000

Alternative Metropolitan and Urban Corridor (Cat 2) Projects FY2018-2026												
HWY	COUNTY	LIMIT FROM	LIMIT TO	LANMARK DESCRIPTION	TOTAL EST.	FY18	FY19	FY20	FY21	FY22	FY23	TOTAL FUNDING
FR 200	San Patricio	11-191	FR 1200 to 144	Connect additional lanes with center turn lane	\$ 13,000,000							\$ 13,000,000
FR 22	Nueces	0481-15-15	Interchange Blvd	Interchange reconstruction	\$ 11,000,000							\$ 11,000,000
SR 386	Nueces	FR 43	SR 200 (Vadito to)	Interchange reconstruction	\$ 11,000,000							\$ 11,000,000

- **February 2, 2017** TPC Discussion Item 5A: **Briefing on the TxDOT FY 2017 UTP**
 - Reminded TPC that staff and TAC had conducted a detailed project prioritization process for use in selecting projects that fit within the planning targets for Cat 2 and Cat 4(3c).
 - Principle motivation for undertaking the semi-quantitative process was to be prepared in the event supplemental funding became available.
- **May 18, 2017** TAC Discussion Item 5A: **10-Year Plan**
 - Re-affirmed that the collaborative scoring and prioritization process that TAC undertook late in calendar year 2016 de-necessitated further discussion about Cat 2 and Cat 4 (3c).

Criteria / Metrics / Units / Definitions

Parent Criterion	Criterion Section	Metric	Units	Definition
Safety	Crash Rate	Estimated Impact on Fatal and Incapacitating Injury Crashes	Crashes/MVMT	Project's estimated impact on fatal (K) and incapacitating injury (A) type crashes, based on the work that is being done and historical crashes. Total number of relevant crashes prevented in "Plan Horizon" window (default 10y), divided by million vehicle miles traveled.
		Estimated Impact on Total Crashes	Crashes/MVMT	Project's estimated impact on all crashes, based on the work that is being done and historical crashes. Total number of crashes prevented in "Plan Horizon" window (default 10y), divided by million vehicle miles traveled.
	Crash Count	Estimated Impact on Fatal and Incapacitating Injury Crashes	Crashes	Project's estimated impact on fatal (K) and incapacitating injury (A) type crashes, based on the work that is being done and historical crashes. Total number of relevant crashes prevented in "Plan Horizon" window (default 10y).
		Estimated Impact on Total Crashes	Crashes	Project's estimated impact on all crashes, based on the work that is being done and historical crashes. Total number of crashes prevented in "Plan Horizon" window (default 10y).
	Safety Project Classification		N/A	Project is classified as a safety type project in DCIS (PO1 Proj Class). The project classification in DCIS is one of: "GCP", "HES", "HPP", "RH", "RR", "SB", "SFT", "SRA", "TPD", "TS", "BIK", "PED".
	Societal Cost Savings		Dollars	Societal cost savings from the project's estimated impact on all crashes, based on the work that is being done and historical crashes. Sum of the total number of crashes prevented in "Plan Horizon" window (default 10y) by severity, multiplied by the average societal cost of crash's severity.
	Hurricane Evacuation Route		N/A	Project is marked in DCIS (PO1) as a hurricane evacuation route.
Preservation	Bridge Condition	Deck Area Receiving Preventative Maintenance	Sqft	Total square feet of bridge deck area that is estimated to remain sufficient (>= 7 condition rating) by the end of the "Plan Horizon" window (default 10y), but is being further prevented from falling below that threshold within the same time frame if the project is completed.
		Reduction in Structurally Deficient Deck Area	Sqft	Total square feet of bridge deck area that is estimated to become structurally deficient (<= 4 condition rating) by the end of the "Plan Horizon" window (default 10y), but will be better than structurally deficient (> 4 condition rating) within the same time frame if the project is completed.
	Lane Mile Receiving Preventative Maintenance (by Ride Score)	Miles	Total lane miles (lanes * miles) of pavement that is estimated to remain "good" (>= 3 Ride score) by the end of the "Plan Horizon" window (default 10y), but is being further prevented from falling below that threshold within the same time frame if the project is completed.	
	Reduction in Poor Lane Miles (by Ride Score)	Miles	Total lane miles (lanes * miles) of pavement that is estimated to be in a "poor" state (< 2 Ride score) by the end of the "Plan Horizon" window (default 10y), but will be better than poor (>= 2 Ride score) within the same time frame if the project is completed.	
Congestion	Congestion Reduction	Lane Miles Receiving Preventative Maintenance (by Distress Score)	Miles	Total lane miles (lanes * miles) of pavement that is estimated to remain "good" (>= 80 Distress score) by the end of the "Plan Horizon" window (default 10y), but is being further prevented from falling below that threshold within the same time frame if the project is completed.
		Reduction in Poor Lane Miles (by Distress Score)	Miles	Total lane miles (lanes * miles) of pavement that is estimated to be in a "poor" state (< 70 Distress score) by the end of the "Plan Horizon" window (default 10y), but will be better than poor (>= 70 Distress score) within the same time frame if the project is completed.
	Benefit Congestion Index - Auto	Hours	Average daily congestion savings over a 20 yr period following project completion for the non-truck percentage of traffic, based on the work that is being done. This is calculated based on volume to capacity ratios, versus volume to adjusted capacity ratios. This is an estimate of daily hours of travel time savings for autos over a 20 yr period based for specified improvements.	
	Benefit Congestion Index - Truck	Hours	Average daily congestion savings over a 20 yr period following project completion for the truck percentage of traffic, based on the work that is being done. This is calculated based on volume to capacity ratios, versus volume to adjusted capacity ratios. This is an estimate of daily hours of travel time savings for trucks over a 20 yr period based for specified improvements.	
	Normalized Congestion Index - Auto		Hours/Miles	Average daily congestion savings over a 20y period following project completion for the non-truck percentage of traffic, based on the work that is being done. This is calculated based on volume to capacity ratios, versus volume to adjusted capacity ratios, then divided by segment length. This is an estimate of average daily hours of travel time savings for autos over a 20 yr period based for specified improvements based on length of project .
	Normalized Congestion Index - Truck		Hours/Miles	Average daily congestion savings over a 20y period following project completion for the truck percentage of traffic, based on the work that is being done. This is calculated based on volume to capacity ratios, versus volume to adjusted capacity ratios, then divided by segment length. This is an estimate of average daily hours of travel time savings for autos over a 20 yr period based on specified improvements based on length of project .
	Intermodal Connector (MPO)		N/A	Project is within MPO boundaries and its roadway is marked "On the NHS, is an Intermodal connector" in TxDOT highway network data. (SEC_NHS >= 2)
	Lane Miles of New Connectivity (MPO)		Miles	Lane miles (lanes * miles) of new roadway if the project is adding to the system and is within MPO boundaries.

TXDOT
Criteria / Metrics / Units / Definitions

Connectivity	Trunk System Route	N/A	Project is marked in DCIS (P01) as on the trunk system.
	Access and Reliability	N/A	Project positively affects the access and reliability of a community with limited or unreliable connectivity. This is a professional judgement call by the user in PM-DIS on a per-project basis.
	Intermodal Connector (Non-MPO)	N/A	Project is outside MPO boundaries and its roadway is marked "On the NHS, is an Intermodal connector" in TXDOT highway network data. (SEC NHS >= 2)
Economic	Lane Miles of New Connectivity (Non-MPO)	Miles	Lane miles (lanes * miles) of new roadway if the project is adding to the system and is outside MPO boundaries.
	Economic Importance	N/A	Project is marked in DCIS (P01) as NHS, with a further filter based on whether the highway number in DCIS (P01) begins with "IH".
	National Highway System (NHS) Route National Highway Freight Network	N/A	Project's roadway is marked "is a National Truck Route" in TXDOT highway network data. (SEC_NTRK = 1)
		Vehicles	Current/most recent annual average daily traffic along the project span. DCIS (P3) AADT takes priority, but TXDOT highway network data is used in its absence.
	System Usage	N/A	Current/most recent average truck percentage of annual average daily traffic along the project span. DCIS (P3) Percent Trucks takes priority but TXDOT highway network data is used in its absence.
Base ADT Base Percent Trucks Energy Sector Route	N/A	Project is marked in DCIS (P3) as Energy Sector.	
	Environment	N/A	Project meets one or more of these criteria: the project classification in DCIS (P01) is one of: "LSE", "HPR", or "TPW"; the project contains category 5 in DCIS (P02); the project meets the criteria outlined in the PM-DIS performance metrics documentation for Environmental.