



**TRANSPORTATION POLICY COMMITTEE (TPC)**  
**SCHEDULED MEETING AGENDA PACKET**

**2:00 P.M., Thursday, June 6, 2019**  
**Corpus Christi City Hall Council Chambers**  
**1201 Leopard St., Corpus Christi, Texas 78401**

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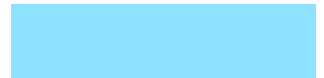
TPC Meeting Agenda – June 6, 2019

**ATTACHMENTS**

April 4, 2019 – TPC Minutes



ITEM #5A – 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures



ITEM #6A – 2020 – 2045 Metropolitan Transportation Plan (MTP) Draft Unconstrained Project List



ITEM #7A – Corpus Christi Air Quality Group: Air Quality, Attainment Status, and Restoring Funds for Air Quality Programs





METROPOLITAN PLANNING ORGANIZATION

**TRANSPORTATION POLICY COMMITTEE (TPC)**  
**REGULAR MEETING AGENDA**

**Thursday, June 6, 2019**  
**2:00 p.m.**

Location: Corpus Christi City Hall Council Chambers  
1201 Leopard Street, 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 April 4, 2019, TPC Meeting Minutes**
5. **Discussion and Possible Action**

- A. **2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures. ☒ - (attachment)\***

**Action: Review, Discuss and Approve**

- B. **Next TPC meeting date**

**Action: Discuss and Determine the next TPC meeting date in July.**

6. **Information Only**

- A. **2020 – 2045 MTP DRAFT Unconstrained Project List. ☒ - (attachment)\***
- B. **2020 – 2045 MTP DRAFT Chapter 1 Distribution**

7. **Presentation**

- A. **Corpus Christi Air Quality Group Update. ☒ - (attachment)\***

8. **Upcoming Meetings:**

- |                                     |   |
|-------------------------------------|---|
| A. Technical Advisory Committee:    | MTP Projects Workshop: June 12, 2019, 11:00-1:00 p.m. |
| B. Technical Advisory Committee:    | Regular Meeting: June 20, 2019                        |
| C. Transportation Policy Committee: | Regular Meeting: July meeting TBD                     |

9. **TPC Member Comments**

10. **Adjourn**

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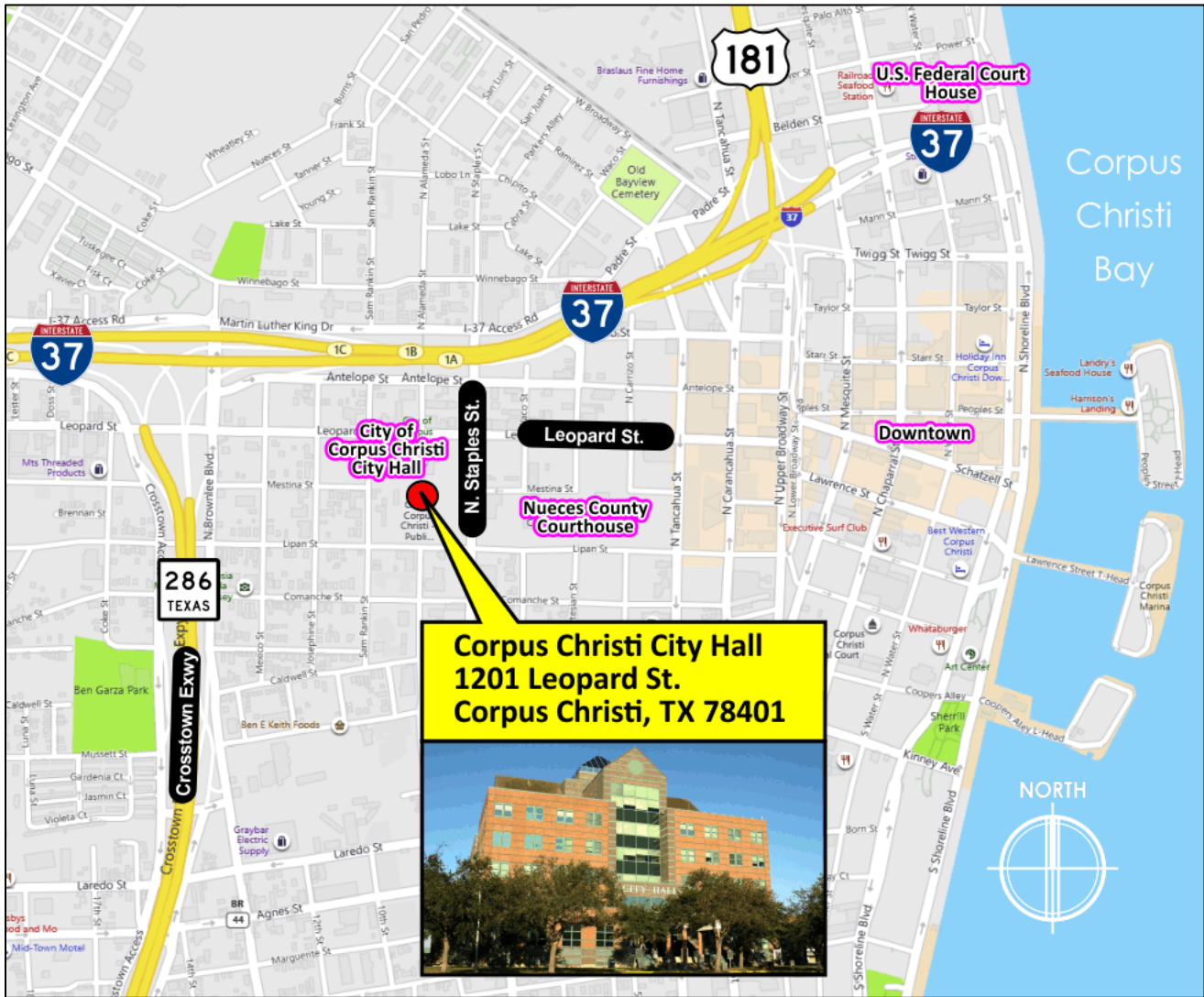
\*☒ - Indicates an attachment for the agenda item.

**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.

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](mailto:ccmpo@cctxmpo.us). Nuestras oficinas están ubicadas en el 602 N. Staples Street, Suite 300, Corpus Christi, TX 78401. Copias se proveerán a petición.



**MEETING LOCATION MAP**



**ATTACHMENT**

April 4, 2019 TPC Minutes

**CORPUS CHRISTI METROPOLITAN PLANNING ORGANIZATION  
TRANSPORTATION POLICY COMMITTEE (TPC) MEETING MINUTES**

**April 4, 2019**

**1. Call to Order and Quorum Determination**

Judge Krebs called the meeting to order at 2:00 p.m. at the City of Corpus Christi Council Chambers.

Present: Judge Krebs, San Patricio County; Judge Canales, Nueces County; Mayor Skurow, City of Portland; Mayor McComb, City of Corpus Christi Mr. Martinez, Corpus Christi Regional Transportation Authority (RTA); Mr. Olivarez, P.E., Texas Department of Transportation – Corpus Christi District (TxDOT-CRP); and Mr. Buckner, Coastal Bend Council of Governments.

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

**2. Introduction of Visiting Agency Officials**

Ms. Melissa Vela, Assistant Chief of Administration, Nueces County; Ms. Paula Sales-Evans, Director of Transportation Planning & Development, TxDOT-CRP.

**3. Public Comments**

Judge Krebs called for public comment on TPC agenda items; None offered.

Mr. Olivarez, TxDOT District Engineer informed the TPC and public on FHWA's National Work Zone Awareness week and TxDOT's "Be Safe. Drive Smart" campaign and raising awareness of work zone safety; it starts from April 8, 2019. Mr. Olivarez reminded of the dangers of distracted driving and requested to spread the word about this campaign.

**4. Approval of the February 7, 2019 TPC Meeting Minutes**

Judge Canales made a motion to approve the March 7, 2019, TPC Meeting Minutes. Mayor Skurow seconded; motion passed unanimously.

**5. MPO Director Employment Contract**

Mayor Skurow pointed out the wording on item V, Term and Termination in the contract. The term of contract is determined as five years and if the Director is terminated by TPC without any fault of the Director, TPC shall pay the Director 3 months salary as severance pay. This sentence is followed by "*Otherwise, either the TPC or the Director may terminate this Agreement upon 60 days written notice.*" Mayor Skurow suggested to change the latter sentence to "*Otherwise, the Director may terminate this Agreement upon 60 days written notice*" by removing "*either the TPC or*" to clarify if the termination is based on some cause, the TPC will not be obliged to pay 60 days of salary.

Mayor Skurow made a motion to change the wording and Judge Canales seconded; motion passed unanimously. Judge Canales made a motion to amend the contract and Mr. Martinez seconded; motion passed unanimously. TPC requested Ms. Vela, Assistant Chief of Administration of Nueces County, who originated the contract to amend the wording. Judge Krebs will contact Mr. Robert MacDonald, the selected candidate, with the amended contract as soon as the contract is ready.

**6. Presentation**

**A. Update on the Harbor Bridge Relocation Program**

Mr. Sam Esquivel, Director of Real Estate Services for the Port of Corpus Christi updated on the Harbor Bridge Voluntary Relocation Program.

The relocation program eligibly area is approximately 339 acres, surrounded by West Broadway Street, Floral Street, Martin Luther King Drive, and the Harbor Bridge right-of-way. This project was started on

January 8, 2016, the deadline to express interest in the program is May 7, 2019. The Port and TxDOT have held public meetings, monthly advisory community meetings, sent notices, gave door-to-door visits, placed signs, also hired a consultant, Del Richardson & Associates (DRA, Inc.), to inform the residents of this program and its deadline. Currently, 361 parcel owners expressed their interest in selling their property. Among those 324 are confirmed in their eligibility for the program. 307 has been completed the appraisals, and 279 were presented the offer. 255 accepted the offer, while 21 declined the offer, mostly because the offered value is not high enough. 225 parcels have been acquired and 102 parcels have been demolished. There are about 100 parcels still not yet either expressing interest or disinterest in the program, Mr. Esquivel stated that the majority of these 100 parcels is landlord property and they want to wait until last minute to collect revenue. Relocation-wise, there are total 227 owner occupants and 302 tenants in the program area. Selective tenants are eligible for relocation benefits 100% covered by TxDOT. TxDOT is the final authority for the appeal procedures, but no appeal is currently filed. 111 owner occupants and 113 tenants have been relocated. Landlord properties are not eligible for the relocation program and this is an important factor because about 60% of properties are landlord owned. The funding for this relocation program is consisted of maximum \$20 Million by the Port of Corpus Christi, and the excess acquisition costs will be reimbursed by the MPO. Mr. Esquivel provided the project cost projection. To date, the estimated total cost is approximately \$36 million and the MPO needs to pay approximately \$16 million. If 400 parcel acquisitions are completed, the estimated project cost is approximately \$71 million and the MPO needs to pay approximately \$51 million. Lack of comparable housing and high replacement housing cost are the 2 major factors of the high cost of this program.

Judge Canales stated this relocation program is significant as the first in the nation and as a test case; the relocation progress is far better than the anticipated number.

Mr. Olivarez reminded that the MPO funding to support this program are Category 7, approximately \$90 million and Category 2, approximately \$180 million in a 10-year window and the MPO is still required to plan the transportation projects with these monies.

Judge Canales mentioned that the \$70 million relocation program cost is relevant for the \$1 billion-dollar project cost as a ratio. The Port's contribution of \$20 million is not the accurate number if the other in-kind contribution is considered.

These acquired properties are the easement for the Harbor Bridge.

## **7. Presentation, Discussion and Possible Action**

### **A. Corpus Christi Regional Transportation Authority (RTA) Transit Project Amendments to the FY 2019 – 2022 Transportation Improvement Program (TIP) and 2015 – 2040 Metropolitan Transportation Plan (MTP).**

Ms. Christina Perez, DBE/EEO Officer, requested to amend the FY 2019 – 2022 TIP and 2015 – 2040 MTP by adding 4 Preventive Maintenance projects in fiscal year 2019, 2020, 2021 and 2021 with \$1 million project cost. Preventive Maintenance is for maintaining the RTA assets and operations for efficient functionality and serviceability. These projects are routine in nature and must be programmed in TIP to receive the funding from Federal Transit Administration (FTA).

Mr. Martinez made a motion to approve to amend the FY 2019 – 2022 TIP and 2015 – 2040 MTP. Judge Canales seconded; motion passed unanimously.

## **8. Discussion Only**

### **A. Category 2 (Cat 2) Projects Reprioritization**

Texas Transportation Commission requested the District and the MPO to reprioritize Categories 2, 4 and 12 projects and submit the list to TxDOT Transportation Planning and Programming (TPP) Division by May 1, 2019 for the draft 2020 Unified Transportation Plan (UTP).

Mr. Carrizales informed the TPC that there are eight projects to be prioritized and the Technical Advisory Committee (TAC) will discuss the ranking methodology and prioritize the Cat 2 projects in the April 18 TAC meeting with possible additional workshops. The reprioritized project list will be compared with the TPP's prioritized list that used an evaluation tool called Decision Lens developed by TxDOT.

Mayor Skurow inquired what happens if the comparison between local prioritization and TxDOT prioritization is made, and if it impacts the local prioritization.

Mayor Skurow further asked that the TxDOT is using more data-driven system, while the MPO is using more planning-driven system to prioritize the projects, and if there is difference in the prioritization, does the local perspective have a chance to appeal.

Ms. Sales-Evans, the director of Transportation Planning & Development, TxDOT-CRP, explained the TPP will score and rank the all Cat 2 projects with each other by using Decision Lens for 2020 UTP. The purpose of this submission request is to make sure the MPO prioritization that reflects the local priorities is looked at and is compared the ranking between Decision Lens and local methodology. Cat 2 funding is discretionary and TPC makes the decision how to allocate the funding to the projects. However, there are other funding resources that make the Cat 2 projects complete, and the Commission determines these funding allocations. There are new performance measures to be considered and the TAC will discuss what criteria to use to evaluate the projects.

## **9. Adjourn**

The meeting adjourned at 2:40 p.m.



**ATTACHMENT ITEM #5A**

2020 – 2045 Metropolitan Transportation Plan (MTP) Project  
Prioritization Methodology and Performance Measures



**Date:** May 30, 2019  
**To:** Transportation Policy Committee (TPC)  
**Through:** Robert MacDonald, Transportation Planning Director  
**From:** Victor Mendieta, GIS Manager  
**Subject:** Item 5A: 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures  
**Action:** Review, Discuss and Approve

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### **Summary**

During development of the MPO regional Metropolitan Transportation Plan (MTP), the member governments and agencies work with the MPO staff to develop performance measures and criteria for the prioritization of projects.

The MPO's weighting was developed by mirroring TxDOT's weighting to the MPO's performance measures where possible and adjusting the remaining weights to reflect the MPO's assessment of regional priorities.

At the May 16<sup>th</sup> TAC meeting, the TAC members reviewed, discussed, and agreed to recommend the MPO's Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures as the process to prioritize projects in the 2020 – 2045 MTP.

Once approved, the methodology will be applied to the regional list of transportation projects to assist in determining the prioritization of the projects and subsequent allocation of funding to the highest priorities.

### **Recommendation**

The TAC and MPO staff recommend that the TPC approve the 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures as presented.

### **Proposed Motion**

Move to approve the 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures as presented.

### **Financial Impact**

None at this time.

## **Background**

The MPO has been refining their performance measures to weigh and prioritize projects in preparation of the 2020 – 2045 MTP update. The development of the performance measures list started with more than 40 specific measures that were proposed to be used for both project prioritization as well as regional profiling. Through coordination with TAC in 2017, the MPO staff refined the initial performance measures list to 33 performance measures. The list was further reduced in number due to some limitations on data availability at that time. The final list contained 22 performance measures for use in project scoring.

The performance measures list has since been further streamlined to 15 measures that are the result of continued coordination with TAC members as well as the MPO staff's professional assessment based on research. The performance measures that were removed have been retained for data collection and regional profile reporting except for a few that were identified as no longer pertinent or applicable to the MPO's planning purposes.

## **Attachment**

2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures

## 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures

| Performance Measures                                 |  | Weight        | Description  |
|--|--|---------------|--|
| <b>System Reliability</b>                            |  | <b>40.00%</b> | <b>Description</b>   |
| 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 (TTTTI)  | 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.  |
| <b>Safety</b>  |  | <b>30.00%</b> | <b>Description</b>   |
| 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)?  |
| <b>Multi-modal Use and Opportunity</b>               |  | <b>15.00%</b> | <b>Description</b>   |
| 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?  |
| <b>Stewardship</b>                                   |  | <b>15.00%</b> | <b>Description</b>   |
| Equity / Accessibility                               | Number of Title VI / Environmental Justice population groups that are served | 7.94%         | Number of population groups that the project serves.<br>Title VI: Disability, Ethnic Minority, Female, Limited English Proficiency, National Origin, Over Age 65, Under Age 18<br>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**

2020 – 2045 Metropolitan Transportation Plan (MTP)  
Draft Unconstrained Project List



**Date:** May 30, 2019  
**To:** Transportation Policy Committee (TPC)  
**From:** Robert MacDonald, Transportation Planning Director  
**Subject:** Item 6A: 2020 – 2045 Metropolitan Transportation Plan (MTP) Unconstrained Project List  
**Action:** Information Only

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### **Summary**

During development of the MPO's 2020-2045 Metropolitan Transportation Plan (MTP), the member governments and agencies work with the MPO staff to create the list of all projects, programs and studies needed in the 25-year planning period. The list includes all modes of travel for the residents of the region as well as the provision of freight travel by truck, ship, aviation and/or railroad.

The list provided in the TPC packet this month will be ranked and prioritized using the 2020 – 2045 Metropolitan Transportation Plan (MTP) Project Prioritization Methodology and Performance Measures approved by the TPC. Additional funded projects and programs will be added to the eventual 2020-2045 MTP Constrained Project list from the approved transportation projects, programs and studies from the local governments and agencies. These projects, programs and studies are not evaluated by the MPO given that they have their own funding and are included in the 2020-2045 MTP as part of the expected future transportation system.

### **Recommendation**

None. Discussion only related to the 2020-2045 MTP DRAFT Unconstrained Project List.

### **Proposed Motion**

None. This is an Information Only Item.

### **Financial Impact**

None at this time.

### **Background**

The MPO researches and collects the future transportation projects, programs and studies planned by our local government and agency partners. The local agencies and governments short- and long-range transportation plans are important to incorporate into the regional discussion to identify trends, seek

collaborative opportunities for joint efforts and certainly maximize the allocation of all sources of transportation funds. Knowing the complete set of transportation projects enables the region, through the MPO partners to understand the comprehensive transportation needs of all users and determine ways to implement an improved system for the residents of the region over the 25-year planning horizon of the 2020-2045 MTP as well as the 4-year FY 2020-2023 Transportation Improvement Program (TIP).

Through the continuous regional process, the MTP and TIP documents are revised periodically to reflect the current transportation planning conditions in the region. The corresponding allocation of available funding is also periodically evaluated to ensure the projects, programs and studies are within the reasonably expected funding sources and can be completed as proposed in the local and regional plans.

**Attachment**

2020-2045 Metropolitan Transportation Plan (MTP) DRAFT Unconstrained Project List

**2020 – 2045 Metropolitan Transportation Plan (MTP)**  
**DRAFT Unconstrained Project List**

| Project Name  | Description  | From Limit                                      | To Limit                                     | Sponsor                | Funding |
|---|--|---|--|------------------------|---------|
| Akins Drive   | Construct 2 additional travel lanes  | Lang Road                                       | Wildcat Drive (FM 2986)                      | City of Portland       |         |
| Akins Drive Pedestrian and Bike Facility                    | Construct Hike and Bike Trail  | Lang Road                                       | Wildcat Drive (FM 2986)                      | City of Portland       |         |
| CR 72   | Construct 2 additional travel lanes (CTWLTL)   | FM 2986 (Wildcat Drive)                         | CR 2032                                      | City of Portland       |         |
| Dr. Hector P Garcia Park Hike and Bike Trail                | Construct Hike and Bike Trail  | Greenwood Drive                                 |  | City of Corpus Christi |         |
| 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 |         |
| Flour Bluff Drive   | Upgrade to 5-lane urban roadway by constructing additional 2-lanes and CLTL                                | South of Don Patricio                           | Yorktown Boulevard                           | City of Corpus Christi |         |
| FM 2292 (Rand Morgan Road)                                  | Rehabilitate and widen to add CLTL   | Leopard Street                                  | I-37   | TxDOT-CRP              |         |
| 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              |         |
| 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              |         |
| FM 43 (Weber Road)  | Install signalized traffic signal and left turn lane   | At intersection of FM 43 and CR 33              |  | TxDOT-CRP              |         |
| FM 624 (Northwest Boulevard)                                | Install raised medians   | River Hills Drive                               | East Riverview Street                        | TxDOT-CRP              |         |
| FM 624 (Northwest Boulevard)                                | Upgrade from 2-lane roadway to 3-lane roadway  | US 77   | FM 73  | TxDOT-CRP              |         |
| FM 624 (Northwest Boulevard)                                | Install signalized traffic signal  | At intersection of FM 624 and River Trail Drive |  | TxDOT-CRP              |         |
| 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              |         |
| 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              |         |
| 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 |         |
| 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 |         |
| Holly Road  | Construct Phase I to include CLTL, shoulders, cycle track; no added capacity                               | SH 286 (Crosstown)                              | Greenwood Drive                              | City of Corpus Christi |         |
| 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 |         |
| 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 |         |
| Holly Road Travel Lanes                                     | Construct Phase II by adding 2 additional travel lanes   | SH 286  | Greenwood Drive                              | City of Corpus Christi |         |
| I-37  | Widen freeway by constructing additional 2 travel lanes northbound and 1 additional travel lane southbound | Redbird Lane (Overpass)                         | Nueces River                                 | TxDOT-CRP              |         |
| I-37  | Construct ramp improvements  | FM 1694   | I-69 Interchange                             | TxDOT-CRP              |         |
| 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 |         |
| 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 |         |
| Kay Bailey Hutchison Road Extension                         | Construct 2-lane roadway on new location   | US 181  | FM 2986 (Wildcat Drive)                      | Port of Corpus Christi |         |
| Memorial Parkway Hike and Bike: Phase II                    | Construct Hike and Bike Trail  | FM 2986 (Wildcat Drive)                         | Billy G. Webb Drive                          | City of Portland       |         |

**2020 – 2045 Metropolitan Transportation Plan (MTP)**  
**DRAFT Unconstrained Project List**

| Project Name  | Description  | From Limit                                       | To Limit                                     | Sponsor                | Funding |
|---|--|--|--|------------------------|---------|
| North Staples Extension   | Extend North Staples Street by constructing 2-lane roadway with bicycle and pedestrian facilities on new location                  | West Broadway                                    | North Tanchua Street                         | City of Corpus Christi |         |
| Oso Pedestrian Connection   | Construct pedestrian and bicycle bridge across Oso to Millenium Campus   | Momentum Campus at Ennis Joslin Road             | TAMUCC Campus                                | TAMUCC                 |         |
| Pedestrian and Bike   | Pedestrian and bike facility improvements  | At Various Locations on Brewster Street          |  | City of Corpus Christi |         |
| Portland Bicycle Lanes  | Construct one way cycle track and buffered bicycle lanes   | At Various Locations in Portland                 |  | City of Portland       |         |
| PR 22   | Feasibility study: intersection upgrade/flyover  | At SH 361/PR 22 intersection                     | Zahn Road                                    | TxDOT-CRP              |         |
| PR 22   | Corridor upgrade for pedestrian and access management improvements without adding capacity   | Aquarius Street                                  | Whitecap Boulevard                           | TxDOT-CRP              |         |
| PR 22   | Intersection upgrade/ flyover  | At SH 361/PR 22 intersection                     | Zahn Road                                    | TxDOT-CRP              |         |
| Regional Parkway  | NEPA Process for new location 4-lane roadway   | PR 22  | I-37   | City of Corpus Christi |         |
| Regional Parkway  | NEW Location: Construct 4-lane roadway   | PR 22  | I-37   | City of Corpus Christi |         |
| Region-wide Bike Boulevard Wayfinding Initiative                  | Designation of bicycle boulevards with pavement markings and signage   | Various Locations in Corpus Christi and Portland |  | City of Corpus Christi |         |
| 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              |         |
| 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 |         |
| 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 |         |
| Schanen Ditch Hike and Bike Trail                                 | Construct Hike and Bike Trail  | Saratoga Boulevard (SH 357)                      | Killarmet Drive                              | City of Corpus Christi |         |
| Schanen Ditch Hike and Bike Trail: Phase IV                       | Construct and design Hike and Bike Trail   | Killarmet Drive                                  | Holly Road                                   | City of Corpus Christi |         |
| 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              |         |
| SH 286 (Crosstown)  | Construct 1 additional northbound travel lane  | SH 358 (SPID)                                    | SS 544 (Agnes Street / Laredo Street)        | TxDOT-CRP              |         |
| SH 286 (Crosstown) Extension                                      | Upgrade to 4-lane divided freeway by constructing mainlanes and interchanges   | FM 43 (Weber Road)                               | FM 2444                                      | TxDOT-CRP              |         |
| SH 357 (Saratoga Boulevard)                                       | Construct 2 additional lanes with CLTL   | FM 665 (Old Brownsville Road)                    | Calle Cuernavaca                             | TxDOT-CRP              |         |
| SH 358 (SPID)   | Upgrade ITS infrastructure   | SH 286 (Crosstown)                               | I-37   | City of Corpus Christi |         |
| SH 358 (SPID) Ramp Reversal                                       | Ramp reversal Phase II-A - south side only   | Nile Drive                                       | Ayers Street                                 | TxDOT-CRP              |         |
| SH 358 (SPID) Ramp Reversal                                       | Ramp reversal Phase II-B   | Nile Drive                                       | Staples Street                               | TxDOT-CRP              |         |
| SH 358 (SPID) Ramp Reversal                                       | Ramp Reversal Phase II-C (Braided ramps)   | Airline Road                                     | Everhart Road                                | TxDOT-CRP              |         |
| SH 361  | Upgrade/add direct connectors  | At SH 35 interchange                             | 0.6 miles Southeast on SH 361                | TxDOT-CRP              |         |
| SH 361  | Construct additional 2 lanes for 4-lane divided section  | Access Road 1 in Port Aransas                    | PR 22  | TxDOT-CRP              |         |
| SH 44 (Agnes Street)  | Upgrade from 4-lane divided highway to 4-ln freeway w/frontage Roads by constructing 4 mainlanes, interchanges, and frontage roads | West of FM 3386 (Mckinzie Road)                  | East of FM 1694                              | TxDOT-CRP              |         |
| SS 544 (Agnes Street / Laredo Street)                             | Operational improvements without adding capacity   | SH 286 (Crosstown)                               | Coopers Alley                                | City of Corpus Christi |         |
| Strategic Integration Travel Demand Model (TDM) Feasibility Study | Strategic Integration TDM incorporating land use and public transit mode split   | Various Locations in Corpus Christi              |  | City of Corpus Christi |         |
| Timon Boulevard / Surfside Boulevard                              | Rehabilitate without additional capacity, construct bicycle facilities   | Beach Avenue                                     | Burleson Street                              | City of Corpus Christi |         |

**2020 – 2045 Metropolitan Transportation Plan (MTP)**  
**DRAFT Unconstrained Project List**

| Project Name                                      | Description  | From Limit                           | To Limit                    | Sponsor                | Funding |
|---|--|--------------------------------------|-----------------------------|------------------------|---------|
| US 181  | Construct Grade Separation over Sunset Road by building 4-lane divided mainlanes at existing at-grade intersection | at SH 35 intersection                |                             | TxDOT-CRP              |         |
| 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              |         |
| US 181 Harbor Bridge Voluntary Relocation Program | US 181 Harbor Bridge Voluntary Relocation Mitigation Program   | N/A                                  | N/A                         | MPO                    |         |
| US 181 Operational Improvements                   | Construct auxiliary lanes and ramp reversals to existing 4-lane freeway  | Sunset Road                          | FM 3239 (Buddy Ganem Drive) | TxDOT-CRP              |         |
| US 181 Ramp Reversals                             | Reverse entrance and exit ramps in Northbound direction  | FM 3296 (Buddy Ganem Drive)          | FM 2986 (Wildcat Drive)     | TxDOT-CRP              |         |
| 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 |         |
| Yorktown Boulevard                                | Construct 2 additional travel lanes with turn lanes. Elevate and widen bridge.                                     | Rodd Field Road (SH 357)             | Laguna Shores Boulevard     | City of Corpus Christi |         |

| Abbreviations                              |
|--|
| CLTL - Center Lane Turn Lane               |
| CTWLTL - Continuous Two Way Left Turn Lane |
| CR - County Road                           |
| FM - Farm to Market                        |
| I - Interstate                             |
| ITS - Intelligent Transportation Systems   |
| NEPA - National Environmental Policy Act   |
| PR - Park Road                             |
| SH - State Highway                         |
| SPID - South Padre Island Drive            |
| SS - State Spur                            |
| TWTL - Two Way Turn Lane                   |
| US - United States Highway                 |



**ATTACHMENT ITEM #7A**

Corpus Christi Air Quality Group: Air Quality, Attainment Status,  
and Restoring Funds for Air Quality Programs

# **CORPUS CHRISTI AIR QUALITY UPDATE**

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Gretchen Arnold; Chair, Corpus Christi Air Quality Group

Corpus Christi Metropolitan Planning Organization  
Transportation Policy Committee Meeting – June 6, 2019

## **AIR QUALITY UPDATE**

- Corpus Christi Air Quality Group
  - Corpus Christi and Criteria Pollutants
    - Ozone Update / Attainment Status
      - Funding of Local Air Programs Status
      - Current Challenges and Efforts

## **CORPUS CHRISTI AIR QUALITY GROUP**

- Voluntary group established in 1995 to address threat of non-attainment of ozone standards
- Group includes representatives from City of Corpus Christi, Nueces County, San Patricio County, Corpus Christi and San Patricio Regional Economic Development Corporations, United Corpus Christi Chamber of Commerce, Port Industries, Port of Corpus Christi, TxDOT, RTA, MPO, Kingsville and Corpus Christi A&M, military, media, environmental consultants, and community members.
- The broad stakeholder representation within the Group works collaboratively to design and deliver effective strategies to maintain National Ambient Air Quality Standards (NAAQS) for regulated air pollutants that are suitable for the Corpus Christi area.

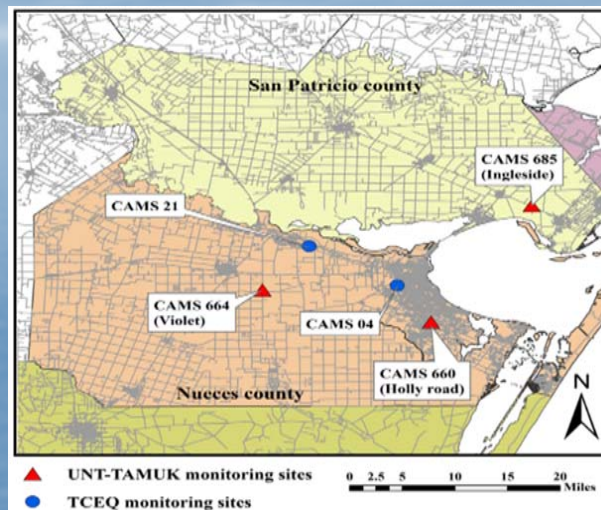
## **REGULATED (CRITERIA) AIR POLLUTANTS**

- Ozone
- Benzene
- Particulate Matter
- Sulfur Dioxide
- Carbon Monoxide
- Lead
- Nitrogen Oxide

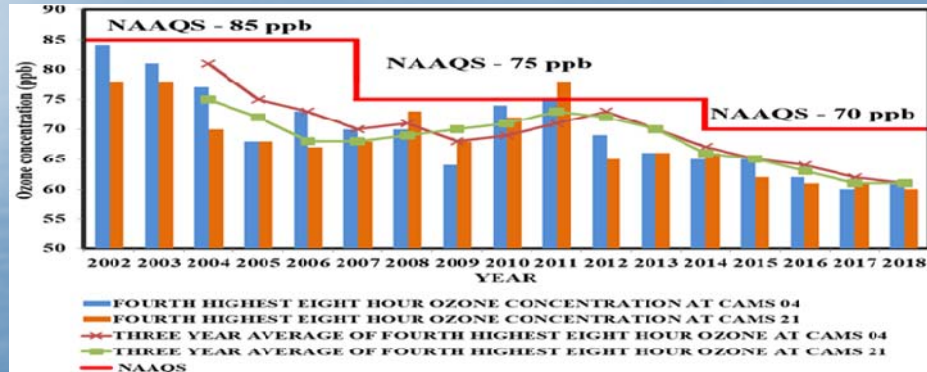
## OZONE

- Ozone is the only regulated ambient air pollutant that Corpus Christi is at risk for violating NAAQS
  - Continued attainment of NAAQS for ozone is the primary focus of Corpus Christi Air Quality Group efforts
  - The allowable threshold for NAAQS for ozone has been lowered three times since the inception of the Corpus Christi Air Quality Group.
  - The current NAAQS for ozone is 70 parts per billion (ppb). Each regulatory monitor may not exceed 70 ppb for ozone when the 4<sup>th</sup> high 8 hour average of ozone during a year and averaged with the past two years of 4<sup>th</sup> high measured levels of ozone does not exceed 70 ppb.

## CORPUS CHRISTI REGULATORY AND RESEARCH MONITORS FOR OZONE



## CORPUS CHRISTI OZONE TRENDING



## CORPUS CHRISTI ATTAINMENT STATUS OF NAAQS FOR OZONE

| Monitor                                    | Three year average for year-end 2018 | 4rth high in 2017 | 4rth high in 2018 | 4rth high in 2019 |
|--|--------------------------------------|-------------------|-------------------|-------------------|
| <b>CAMS 4</b><br>902 Airport Blvd.         | 61 ppb                               | 60 ppb            | 61 ppb            | 57 ppb            |
| <b>CAMS 21</b><br>Tuloso<br>9860 La Branch | 61 ppb                               | 61 ppb            | 60 ppb            | 51 ppb            |

- The current regulatory average for ozone at both regulatory monitors (year-end 2018) is 61 ppb; well within attainment of NAAQS for ozone
- In order for Corpus Christi to continue in attainment of the 70 ppb ozone standard at the end of year 2019, both CAMS 4 and CAMS 21 must experience a 4th high ozone levels of less than 88 ppb in 2019

## **IMPACT ON MPO WHEN COMMUNITY NO LONGER ATTAINS NAAQS FOR OZONE**

- Possible loss of Federal Highway funding for various projects
- Increased congestion mitigation burden
- Increased burdens and demands for SIP requirements

## **FUNDING STATUS FOR AIR EMISSION REDUCTION AND PLANNING PROGRAMS**

- In June, 2017 Governor Abbott vetoed legislative funding for all air quality programming in ozone near-non attainment communities in Texas including Corpus Christi.
- The amount of funding Corpus Christi should have received was \$400,000 for a biennium. This funding was the only funding Corpus Christi receives for programs that work to research and reduce ozone causing emissions; research monitors operated and reported on by Texas A&M University Kingsville and vehicle emissions testing and repairs provided by Texas A&M University Corpus Christi. Both programs relied on the vetoed funding to exist.
- The MPO, City of Corpus Christi, Nueces County, San Patricio County and Port of Corpus Christi all passed resolutions to reinstate funding for air quality programs.

## FUNDING STATUS FOR AIR EMISSION REDUCTION AND PLANNING PROGRAMS

- Port Industries provided interim funding for the research monitors with Texas A&M University Kingsville and the Port of Corpus Christi provided interim funding for the vehicle emissions testing and repairs with Texas A&M University Corpus Christi. Interim funding for the research monitors has been depleted and the monitor operations have ceased.
- Legislators Herrero, Hunter and Hinojosa have been briefed and each one is supportive of working to get the funding reinstated in the current session. Tammy Embrey with the City of Corpus Christi is working the issue through the current session.
- Currently there is language in both the House and Senate to reinstate the funding, although the House language is unfavorable as it will only fund emissions inventories.

## CORPUS CHRISTI AIR QUALITY GROUP CHALLENGES AND EFFORTS

- Growing Industry
- Increasing VMT
- Loss of Funding

### Growing Industry

- Working with EDCs to establish required offset emissions

### Increasing VMT

- MPO alternative transportation planning and infrastructure
- Unified Development Code input for community growth patterns and infill

### Loss of Funding

- Continue work with legislators
- Continue pressing for TERP funding and searching for other funding sources

## **MPO IMPORTANT GROUP PARTICIPANT AND STAKEHOLDER**

- Funding for Corpus Christi Air Quality Group Chair
- Mobility Planning
- Congestion Mitigation Plans