



TRANSPORTATION POLICY COMMITTEE (TPC) REGULAR MEETING AGENDA

2:00 P.M., Thursday, September 7, 2023

Corpus Christi City Hall 6th Floor Executive Conference Room, 1201 Leopard Street, Corpus Christi, TX 78401

1. **CALL TO ORDER AND QUORUM DETERMINATION**

2. **PUBLIC COMMENTS FOR ITEMS NOT ON THE AGENDA:**

Opportunity for public comments for any items not on the Agenda and within the TPC's jurisdiction (except in matters related to pending litigation). Proceedings are recorded. To make a public suggestion or comment at the meeting, please fill out the printed comment card available at the meeting and submit it to Corpus Christi MPO staff 10 minutes before the meeting starts. We ask that remarks be limited to three minutes, that you identify yourself, and give your address. Those persons addressing the TPC through a translator are given twice the amount of time, or six (6) minutes to provide their comments. All Public Comments submitted shall be placed into the record of the meeting.

3. **APPROVAL OF THE JULY 6, 2023 TPC REGULAR MEETING MINUTES** ☒

4. **ACTION ITEMS FOR REVIEW, DISCUSSION AND POSSIBLE ACTION**

A. **Corpus Christi MPO DRAFT 2023 Program for Addressing Discrimination (PAD)** ☒

Proposed Action: Review, Discuss, Receive Public Comments and Approve by Resolution 23-07

B. **Small Area Forecast Task Force Recommended Population and Employment Control Totals for the 2050 MTP** ☒

Proposed Action: Review, Discuss, Receive Public Comments and Approve

C. **FY 2023-2026 Transportation Improvement Program (TIP) Amendment 1** ☒

Proposed Action: Review, Discuss, Receive Public Comments and Release for a One Month Public Comment Period

D. **FY 2023 and FY 2024 Unified Planning Work Program (UPWP) Amendment 1** ☒

Proposed Action: Review, Discuss, Receive Public Comments and Release for a One Month Public Comment Period

5. **INFORMATION ITEMS FOR REVIEW, DISCUSSION AND COMMENTS**

A. **Corpus Christi MPO Regional Household Travel Survey** ☒

B. **TxDOT 2024 Unified Transportation Program (UTP) Category 2 and 4U Final Projects** ☒

C. **New Harbor Bridge Update**

D. **2020 Corpus Christi MPO Adjusted Urban Area Update** ☒

E. **Regional Traffic Safety Task Force Recap from July 12, 2023** ☒

F. **Corpus Christi MPO Regional Coordination Group for Federal Transportation Grants Update** ☒

6. **MEMBER AGENCY STATEMENTS FOR ITEMS OF COMMUNITY INTEREST**

7. **UPCOMING MEETINGS:**

A. **Regional Traffic Safety Task Force Meeting:** September 13, 2023

B. **Technical Advisory Committee Regular Meeting and Workshop:** September 21, 2023

C. **Small Area Forecast Task Force Meeting:** September 21, 2023

D. **Transportation Policy Committee Regular Meeting:** (Proposed Change to) October 12, 2023

8. ADJOURN

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

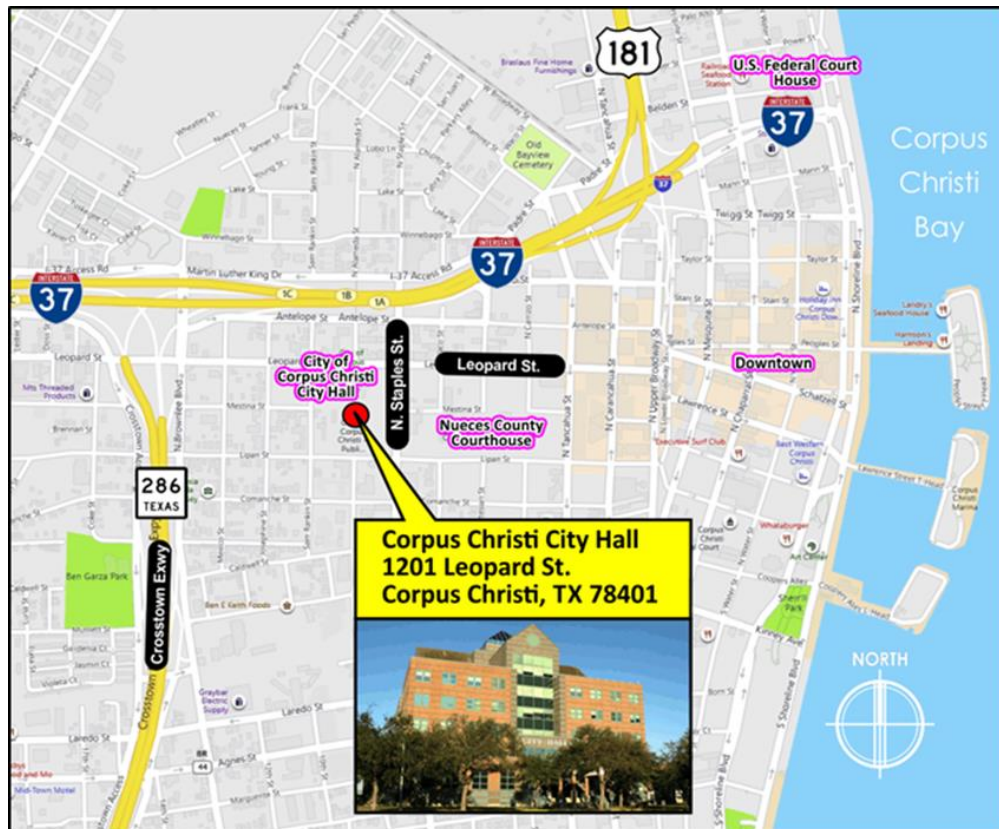
This Transportation Policy Committee meeting will be available to watch online through [LiveStream](https://www.livestream.com/cctxmpo).



Public suggestions and comments may be provided before the meeting by emailing ccmpo@cctxmpo.us, by regular mail or hand-delivery to the Corpus Christi MPO offices at 602 N. Staples St., Suite 300, Corpus Christi, TX 78401, Please limit written comments to 1,000 characters. Written comments should be provided at least 1 hour before the start of the TPC meeting.

All MPO Committee meetings are public meetings and open to the public subject to the access policies of the building owner where the meeting is being held. 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



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

July 6, 2023

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

TPC Chair Judge Krebs called the meeting to order at 2:01 p.m.

TPC Members Present:

Judge David Krebs, San Patricio County

Mayor Cathy Skurow, City of Portland

Mayor Paulette Guajardo, City of Corpus Christi

Mr. Valente Olivarez, Jr., P.E., Texas Department of Transportation Corpus Christi District

Ms. Mary Esther-Guerra, Nueces County Assistant Attorney

MPO Staff Present: Rob MacDonald, P.E.; Craig Casper, AICP; Victor Mendieta; and Yoshiko Boulan

2. Public Comments for items not on the Agenda

None were made or offered.

3. Approval of the May 11, 2023, Transportation Policy Committee meeting minutes

Mayor Skurow made a motion to approve the May 11, 2023, TPC Meeting Minutes. Mayor Guajardo seconded; the motion passed unanimously.

4. ACTION ITEMS FOR REVIEW, DISCUSSION AND POSSIBLE ACTION

A. Corpus Christi MPO DRAFT 2023 Program for Addressing Discrimination (PAD)

Mr. Casper presented the TPC with an action item, the Corpus Christi MPO DRAFT 2023 Program for Addressing Discrimination (PAD) for review, discussion, public comments, and release for a one-month public comment period.

The PAD is a document that addresses four federally required anti-discrimination areas: (1) Limited English Population, (2) Title VI of the Civil Rights Act of 1964, (3) Environmental Justice, and (4) Advancing Racial Equity. The Corpus Christi MPO must comply with federal anti-discrimination requirements and evaluate and improve the public involvement process to eliminate any participation barriers and allow disadvantaged communities into the transportation decision-making process as stated in the Agenda Item 4A memo. The previous PAD was adopted in 2021, and the document is required to be updated every other year.

The DRAFT 2023 PAD updates include new Executive Orders, EO 14008 for Tackling the Climate Crisis at Home and Abroad and EO 14091 for Further Advancing Racial Equity and Support for Underserved Communities, and 2020 Census Data. The updates are shown in track changes in the attached DRAFT 2023 PAD. The official guidance for these two new EOs is not available yet. Once it becomes available, the Corpus Christi MPO will reflect these requirements.

The Technical Advisory Committee (TAC) and the Corpus Christi MPO staff recommend that the TPC release the DRAFT 2023 PAD for a one-month public comment period.

Judge Krebs asked if there is any public comment. None were offered.

Mayor Skurow made a motion to release DRAFT 2023 PAD for a one-month public comment period. Mayor Guajardo seconded; the motion passed unanimously.

B. FY 2022 Annual Listing of Obligated Projects (APL) Approved by Resolution 23-06

Mr. MacDonald presented the TPC with another action item, the FY 2022 Annual Listing of Obligated Projects (APL) for review, discussion, to receive public comments, and for the TPC to approve by Resolution 23-06.

The APL is a list of federally funded projects in the Corpus Christi MPO's planning area that were obligated in the previous fiscal year. The APL includes the individual highway projects in the Corpus Christi MPO's Transportation Improvement Program (TIP), TxDOT Corpus Christi District's grouped projects such as maintenance and operations, safety, and bridges, and Corpus Christi Regional Transportation Authority's transit projects.

As briefed in the May TPC meeting, TxDOT and the Federal Highway Administration (FHWA) directed Texas MPOs to ensure the necessary public involvement process similar to the TIP public processes. Based on the Corpus Christi MPO's Public Participation Plan (PPP), the APL is required to be published and made available for the public and to then be approved by the TPC. The Corpus Christi MPO staff requested the TPC to release the DRAFT FY2022 APL for a one-month public comment period and TPC approved the request in the May TPC meeting.

The Technical Advisory Committee and the Corpus Christi MPO staff are requesting the TPC to review, discuss, and receive public comments, then approve it with Resolution 23-06.

Judge Krebs asked if there is any public comment. None were offered.

Mayor Skurow made a motion to approve the DRAFT FY 2022 APL with Resolution 23-06. Mr. Olivarez, Jr., seconded; the motion passed unanimously.

5. INFORMATION ITEMS FOR REVIEW, DISCUSSION AND COMMENTS

A. New Harbor Bridge Update

Mr. Olivarez Jr. updated the TPC and the public on the New Harbor Bridge project. The North approach up to the main span towers are almost complete. The contractor is working on the two remaining spans to connect down to the retaining wall and the embankment area. Currently, two temporary cables are in place, but these will be replaced by permanent ones. The progress of cables is more than halfway. The progress of the north tower is more than halfway complete, the south tower is about halfway done. The temporary cables on the south tower would be seen soon. One of the design issues was the foundation work; the contractor is widening the foundation for adding a drill shaft to solve this issue. The foundation is doubled and tied to steel on both the north and south tower. The South approach is almost complete. There is a lot of work happening at the interchange area. An identical loop ramp will be constructed after the drainage work is finished. The new Harbor Bridge construction is progressing well.

Judge Krebs asked if there are any questions from the TPC members and the public. None were offered.

B. 2050 Metropolitan Transportation Plan (MTP) Process Discussion

Mr. Casper briefed the TPC on the three major processes for developing the 2050 MTP.

The first major process is the Small Area Forecasting. The Corpus Christi MPO formed the Small Area Forecast Task Force that recommends the population and employment control totals in the region that is critical for future transportation planning. Usually, the population and employment forecast for each county is given by the State Demographer and these numbers are allocated to the sections called Traffic Analysis Zones (TAZ). The Corpus Christi MPO staff invited the State Demographer to the December 2022 TPC meeting, and she explained the population forecast in Texas and in the Corpus Christi region. The Texas Demography Center's forecast was considerably lower than its previous forecast. The reason given is a drop in birth rates below the rate of population replacement. Also, there is a noticeable discrepancy in the population projection among the sources. For example, the City of Corpus Christi recently used the previous population forecast projected by the Texas Water Development Board (TWDB) for their Area Development Plans (ADPs). This number is much higher than the current Texas Demographic Center's projection. The 10-year projection of population growth in the City of Corpus Christi by the TWDB is more than the total of two counties (Nueces and San Patricio) of the Texas Demographic Center's 25-year projection of population growth. The objective forecast is critical for the development of the Travel Demand Model (TDM) and future transportation planning for identifying the transportation needs in our region. The Small Area Forecast Task Force, the TAC, and the Corpus Christi

MPO staff need to establish the most objective and reasonable control totals. The Corpus Christi MPO staff will obtain a sophisticated urban planning simulation tool called UrbanSim. UrbanSim is a tool to analyze land use policies, infrastructure investment, zoning, and other factors in urban planning systems and develop multiple scenarios.

Mr. Casper asked if there is any question regarding the Small Area Forecast. None were offered.

The second process is the development of the Active Transportation Plan, Micro-mobility Plan, and Complete Streets. This plan focuses on the transportation needs of all transportation modes such as pedestrians, bicyclists, persons with disabilities, e-scooters, and so forth. The Corpus Christi MPO is required to incorporate this plan into the long-range transportation Plan. The Corpus Christi MPO formed the Active Transportation Plan Stakeholder Group for this plan and the first meeting with the consultant team, Freese and Nichols, was held on June 15, 2023.

Mr. Casper asked if there is any question regarding the development of the Active Transportation Plan. None were offered.

The third process is the development of the Transportation Improvement Plan (TIP) scoring tool. The selection of transportation projects that use federal funds is based on the performance-based evaluation using the goals and objectives and corresponding performance measures adopted in the Metropolitan Transportation Plan. The Corpus Christi MPO staff is working with a consultant team to develop the scoring system with a number of scoring criteria, so that the transportation projects in the TIP meet the federal requirements and the Corpus Christi MPO's goals and objectives. The consultant team is working on developing a simple yet thorough application system so that objective scoring is done efficiently and effectively.

Mr. Olivarez Jr. inquired if these tools would be obtained by the Corpus Christi MPO. Mr. Casper answered that the Corpus Christi MPO owns these products, and the partner entities can utilize these products as well.

Mr. Casper informed the TPC and the public that the Agenda Item 5B memo includes links to these plans, requirements, and other relevant information, and he encouraged them to visit these sites.

Mr. MacDonald commented that this is just a snippet of the overall 2050 MTP development process to allocate approximately \$5 billion in federal funding to our region over the next 25 years. All eligible projects need to be submitted, scored, and prioritized based on the objective criteria. Small Area Forecast Task Force members are comprised of a wide range of people such as a representative from the School Districts, Economic Development Corporations, Chambers of Commerce, and they will discuss not only the population growth, but also how the population is allocated in the region. This process is challenging but interesting.

Mr. Craig further commented that the forecasting process involves not only population but households and employment and the composition of households such as a nuclear family, retired, and so forth will impact the travel demand in the region. More discussion will follow as these task forces and consultant teams work on each plan.

Mr. Olivarez, Jr. commented that the project selection would use systematic scoring, analytics, and data but also other factors such as readiness, environmental work, and budget will affect the result.

Mr. MacDonald stated that the scoring tool the Corpus Christi MPO would obtain is available for the partner agencies to score their projects and the tool would be helpful to make their internal decisions.

C. Corpus Christi MPO Regional Coordination Group for Federal Transportation Grants Update

Mr. MacDonald briefed the TPC on the Regional Coordination Group for Federal Transportation Grants updates.

The U.S. Department of Transportation (US DOT) developed a new grant dashboard and added a new feature to the US DOT Grant Navigator that provides additional information on applying for grants.

The Notice of Funding Opportunity (NOFO) for the National Infrastructure Project Assistant Program (Mega) and the Infrastructure for Rebuilding America (INFRA) program were provided. The deadline for these programs is August 21, 2023. Also, there is a new NOFO for the Reconnecting Communities Pilot (RCP) program. This program combined two grant programs, Reconnecting Communities Pilot program and Neighborhood Access and Equity (NAE) program. All NOFOs are attached. The FY 2023 Low or No Emission Vehicle Grants for Buses and Bus Facilities Program and FY 2023 Rebuilding American Infrastructure with Sustainability and Equity (RAISE) awarded projects were announced. Attachments 4 and 5 show the awarded projects in Texas. The Corpus Christi MPO FY 2023 Competitive Grant Summary Table is updated monthly and provided to the TPC and TAC.

Judge Krebs asked if there are any questions from the TPC members and the public. None were offered.

6. Member Agency Statements for Items of Community Interest: Upcoming events or holidays and acknowledgement.

Judge Krebs introduced the newly selected Corpus Christi Regional Transportation Authority (CCRTA)'s Chief Executive Officer, Derrick Majchszak.

Mr. Majchszak stated that he has been working for the CCRTA for more than six years. Before CCRTA, he worked for the Fort Worth Transportation Authority for eleven years. Mr. Majchszak said it is his honor and privilege to work with the TPC and the communities.

TPC members congratulated him for being appointed as the new CCRTA CEO.

7. Upcoming Meetings:

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| A. Regional Traffic Safety Task Force Meeting: | July 12, 2023 |
| B. Technical Advisory Committee Regular Meeting Workshop: | July 20, 2023 |
| C. Small Area Forecast Task Force Meeting: | July 27, 2023 |
| D. Transportation Policy Committee Regular Meeting: | August 3, 2023 |

8. Adjourn: The meeting adjourned at 2:39 p.m.



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Craig Casper, Senior Transportation Planner
Through: Robert MacDonald, Transportation Planning Director
Subject: Item 4A: Corpus Christi MPO DRAFT 2023 Program for Addressing Discrimination (PAD)
Approve by Resolution 23-07
Action: Review, Discuss and Receive Public Comments and Possible Action

Summary

This month we are presenting the compilation of comments and the proposed updates to the Corpus Christi MPO 2021 Program for Addressing Discrimination (PAD) and seeking the TPC approval of the document by resolution. The new 2023 PAD, and the prior 2021 PAD, define the processes that the Corpus Christi MPO uses to address Federal requirements in four areas:

1. Title VI of the Civil Rights Act of 1964,
2. Limited English Proficiency, and the MPO responsibilities as a recipient of federal financial assistance as they relate to the needs of limited English proficient individuals,
3. Environmental Justice, meaning the fair treatment and meaningful involvement of all people, regardless of race, ethnicity, income, national origin, or educational level, and
4. Presidential Executive Orders; 13985 on Advancing Racial Equity and Support for Underserved Communities, 14008 Tackling the Climate Crisis at Home and Abroad, and 14091 Further Advancing Racial Equity and Support for Underserved Communities.

Since the adoption of the 2021 PAD two principal things have happened:

- 1) The Census data that underpins the analyses have been updated, and
- 2) Two new Presidential Executive Orders (14008 and 14091) that directly impact the policies described in this document regarding securing environmental justice and spurring economic opportunity for disadvantaged communities, and Further Advancing Racial Equity and Support for Underserved Communities have been signed.

The final guidance on all of the Executive Orders has not been released, so the 2023 PAD document may require an update prior to the scheduled update in July 2025. At this time no changes to previous policies are necessary.

Recommendation

The Corpus Christi MPO staff and the TAC recommend that the TPC review and receive public comments and approve both the 2023 PAD and DRAFT Resolution 23-07 documenting this approval.

Proposed Action

Approve the DRAFT 2023 PAD and DRAFT Resolution 23-07.

Prior Actions for the PAD

- The previous Limited English Proficiency (LEP) was approved by the MPO Transportation Policy Committee (TPC) on April 5, 2018 and as part of the PAD on July 1, 2021.

- The previous Title VI Plan was approved by the MPO Transportation Policy Committee (TPC) on August 2, 2018, and as part of the PAD on July 1, 2021.
- The previous Environmental Justice (EJ) Plan was approved by the MPO Transportation Policy Committee (TPC) on August 2, 2018, and as part of the PAD on July 1, 2021.
- The 2021 PAD, combining the 3 documents, the LEP, the Title VI Plan, and the EJ Plan, was approved by the Transportation Policy Committee on July 1, 2021.
- The TPC approved to release the DRAFT Corpus Christi MPO 2023 PAD for a one-month public comment period on July 6, 2023.

Comments/Changes From 2021 PAD

Track change was used to show the changes from what was approved in the 2021 PAD. In general, the only changes are updating the demographic mapping to take into account the latest Census American Community Survey data, removal of redundant data tables, and the addition of the two new Presidential Executive Orders.

Background

The legal principle of equity in the United States was confirmed in 1868 by the Equal Protection Clause of the Fourteenth Amendment to the U.S. Constitution. Title VI of the Civil Rights Act of 1964 prohibits federal agencies and sub-recipients of federal funds from discriminating, on the basis of race, color or national origin, against participants or clients of programs that receive Federal funding. Subsequent laws and Presidential Executive Orders added other categories, including handicap, gender, age, and income status to the criteria for which discrimination is prohibited. The Corpus Christi Metropolitan Planning Organization (Corpus Christi MPO) Title VI Plan and other anti-discrimination documents were developed to ensure the Corpus Christi MPO and all subgrantees of federal funds comply with the nondiscrimination requirements as outlined in Presidential Executive Orders, Acts of Congress, along with Title 23 CFR and 49 CFR and related laws. It also provides specific information on how to file a nondiscrimination complaint.



<p>In the first image, it is assumed that everyone will benefit from the same supports. They are being treated equally.</p>	<p>In the second image, individuals are given different supports to make it possible for them to have equal access to the game. They are being treated equitably.</p>	<p>In the third image, all three can see the game without any supports or accommodations because the cause of the inequity was addressed. The systemic barrier has been removed.</p>
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To certify compliance with federal anti-discrimination requirements the Corpus Christi MPO must:

- Evaluate and improve the public involvement processes to eliminate participation barriers and engage disadvantaged populations in transportation decision-making.
- Identify the residential and employment locations and transportation needs of disadvantaged communities.

- Determine if the needs of the disadvantaged communities are addressed equitably and that the benefits and burdens of transportation investments are fairly distributed.
- Perform analyses that ensure that the Metropolitan Transportation Plan (MTP) and the Transportation Improvement Program (TIP) comply with federal discrimination laws and regulations.

Although it is recognized that much of the detailed evaluation of discrimination will occur at the project-level (which is the responsibility of the project sponsor) rather than during regional transportation planning or programming, the Corpus Christi MPO should use a variety of techniques to identify discrimination caused by flaws in policy or decision processes causing benefits to miss entire communities when viewed at a regional scale. It is also possible to identify negative impacts earlier in project development so that positive corrective actions can be taken and serve as a building block for subsequent interventions. Discrimination issues arise most frequently when:

- Disadvantaged communities are less represented than others when policymaking bodies debate and decide what should be done with transportation resources, or
- Some communities get more benefits of improved accessibility, faster trips, and congestion relief, while others experience fewer benefits, or
- Disadvantaged communities suffer disproportionate negative impacts, such as noise, decreased safety or higher air pollution, or
- Some communities pay regressive transportation taxes or fares for the services that they receive.

Attachments:

1. Corpus Christi MPO DRAFT 2023 Program for Addressing Discrimination (PAD) [[WEBLINK](#)]
2. Draft Resolution 23-07: Approval of the 2023 Program For Addressing Discrimination (PAD)



CORPUS CHRISTI METROPOLITAN PLANNING ORGANIZATION (CORPUS CHRISTI MPO)

DRAFT RESOLUTION 23-07

APPROVAL OF THE 2023 PROGRAM FOR ADDRESSING DISCRIMINATION (PAD)

WHEREAS, the Corpus Christi Metropolitan Planning Organization (Corpus Christi MPO) the designated MPO for the Corpus Christi Metropolitan Area with responsibilities to perform regional transportation planning and programming, in cooperation with the Texas Department of Transportation (TxDOT) and the Corpus Christi Regional Transportation Authority (CCRTA); and

WHEREAS, Title VI of the Civil Rights Act of 1964 and U.S. Department of Transportation (USDOT) regulations to implement the law (49 CFR, Part 21) require all recipients and sub-recipients of Federal transportation funds, such as the Corpus Christi MPO, to establish and maintain a Title VI Program that carries out the regulations and integrates the activities and considerations outlined in the USDOT's Policy Guidance; and

WHEREAS, the Federal Transit Administration (FTA) issued Circular FTA 4702.1B, Title VI requirements and Guidelines for FTA Recipients, on October 12, 2012, providing further guidance and instructions necessary to carry the USDOT Title VI regulations and policy guidance; and

WHEREAS, the Corpus Christi MPO intends that no person shall, on the grounds of race, color, and/or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any Corpus Christi MPO program or activity; and

WHEREAS, the Corpus Christi MPO intends to avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority population and low-income populations; and

WHEREAS, the Corpus Christi MPO intends to prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority populations and low-income populations; and

WHEREAS, the Corpus Christi MPO intends that persons with Limited English Proficiency (LEP) shall not be discriminated against nor denied meaningful access to, and participation in, the programs and services provided by the Corpus Christi MPO; and

WHEREAS, the Corpus Christi MPO will pursue a comprehensive approach to advancing equity for all, including people of color and others who have been historically underserved, marginalized, and adversely affected by persistent poverty and inequality; and

WHEREAS, the Corpus Christi MPO initiated a one month public comment period for the updated draft of the Program Against Discrimination from July 6, 2023 through September 7, 2023 and held a public meeting on September 7, 2023:

NOW, THEREFORE, BE IT RESOLVED, the Transportation Policy Committee (TPC), as the designated Metropolitan Planning Organization for the Corpus Christi Metropolitan Area, hereby approves the 2023 Program for Addressing Discrimination (PAD) dated September 7, 2023; and

That it is hereby officially found and determined that the meeting at which this resolution is passed is open to the public and that public notice of the time, place and purpose of said meeting was given as required by law.

That all public participation requirements identified within the Corpus Christi MPO Public Participation Plan related to this action by the Transportation Policy Committee were met and completed.

PASSED AND APPROVED this the 7th day of September, 2023.

The Honorable David R. Krebs, TPC Chair
Corpus Christi Metropolitan Planning Organization
County Judge, San Patricio County

David R. Krebs
Print Name

ATTEST:

Robert F. MacDonald, MPA, P.E.
Transportation Planning Director
Corpus Christi Metropolitan Planning Organization



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Craig Casper, Senior Transportation Planner
Through: Robert MacDonald, Transportation Planning Director
Subject: Item 4B: Small Area Forecast Task Force Recommended Population and Employment Control Totals for the 2050 MTP
Action: Review, Discuss, Receive Public Comment and Possible Action

Summary

The Corpus Christi MPO staff is seeking approval of the Control Totals for Population and Jobs that are inputs into the Small Area Forecast for Years 2020 through 2050. These estimates are vital components of transportation planning and a critical initial step in developing the 2050 Metropolitan Transportation Plan. Forecasting the amount, type and location of population and jobs for the time frame of the plan (Years 2025-2050) are used to identify locations, types and severity of transportation needs.

Attachment 1 has a graph showing the 1990-2022 Historic Population and the 2021 to 2050 Projected Population from the Texas State Demographic Center. The Texas State Demographic Center is the most respected source for this type of forecast and used by all 23 Texas MPOs. It also contains a table with both the exact numbers for the 0.5 and the 1.0 migration Projected Population numbers from 2023 to 2050. Attachment 2 is a dot-density map showing the 2020 population distributions in the region.

Attachment 3 shows historic employment data from the Quarterly Census of Employment and Wages (QCEW) along with forecast employment based on jobs to population ratios as recommended by the Texas State Demographic Center. Attachment 4 is a dot density map for employment based on 2021 Data Axle information. The Data Axle consumer database is compiled from data provided by more than 100 sources including real estate, tax assessments, voter registrations, utility connections, bill processors and more, giving businesses hundreds of data attributes that are updated in real-time.

Among discussion topics by the MPO staff, TAC and the Small Area Forecast Task Force is that the forecast of year-to-year employment levels by county will not be completed by the Texas State Demographic Center in time for the Corpus Christi MPO to use for the 2050 MTP. Also, jobs to population ratios fluctuate significantly based on seasonality and this assumption needs to be incorporated into our regional Small Area Forecast processes.

Recommendation

The Small Area Forecast Task Force unanimously recommended using the 0.5 version of the Texas State Demographic Center Forecast for the population and then use the Texas State Demographic Center Jobs to Population ratio for the employment control total. The MPO staff and the TAC recommend that the TPC approve the population and employment control totals for Nueces, San Patricio and Aransas counties, see Attachment 7.

Proposed Motion

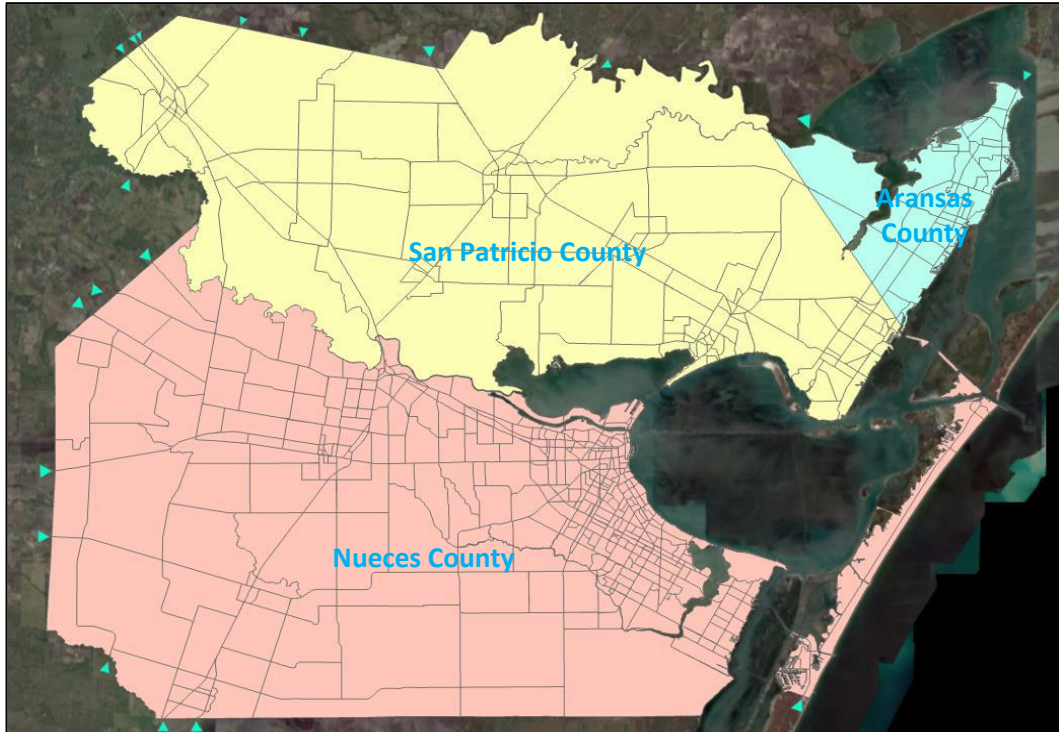
Recommend approval the TPC of the Countywide Control totals of population and employment for Nueces, San Patricio and Aransas Counties

Background

The Corpus Christi MPO prepares a socioeconomic forecast for each update of the Metropolitan Transportation Plan (MTP). Socioeconomic data are a vital component of Long-Range Transportation Planning and travel demand forecasting models. Development of a demographic forecast (i.e. the Small Area Forecast) is required by federal regulations to ensure that long-range Metropolitan Transportation Plans are based on ***“the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity”*** (23 CFR 450.324(e)). The 2020 population is shown as a density map in Attachment 2.

The total demand for transportation typically changes in proportion to changes in population, employment, and improved economic conditions. As an urban area expands, the numbers and lengths of individual trips increase, unless densities and mixed-use developments increase at an equal or greater rate. Expanding population, employment, and urban area size, along with improved economic conditions, result in an increased need for transportation facilities and services. These include freight, roadway, transit, bicycle, and pedestrian facilities, along with strategies intended to increase the efficient use of existing facilities. The Corpus Christi MPO uses macro-level forecasts from the Texas Demographic Center to create its future forecast, projecting where people might live and work so that transportation investments will address anticipated issues.

Under the direction of the State Demographer, the Texas Demographic Center’s Texas Population Projections Program collects information to produce the population projections for the State of Texas as required by state law (Chapter 468 of Texas Government Code). The Texas Population Projections Program produces projections for the entire state of Texas and each individual county in the state by age, sex, and race/ethnicity. These projections use assumptions about future events that may or may not occur. The current forecast, released October 24, 2022, consists of the projections of the resident population of the State for each year from 2020 through 2060. This accommodates the 2050 planning horizon of the upcoming 2050 Corpus Christi MPO’s Metropolitan Transportation Plan (2050 MTP) and satisfies the requirement of using the most recent information. One change from previous forecasts is providing two scenarios of migration to better fit differences between fast growing urban areas and slower growing or shrinking rural or urban areas. There are 438 small geographic areas known as Traffic Analysis Zones (TAZs) in Nueces County, 151 in San Patricio County and 46 in Aransas County. The following maps illustrate the TAZs and county boundaries.



To project future transportation needs and confirm that the 2050 MTP is consistent with anticipated growth patterns, the Corpus Christi MPO will create several scenarios that project the future location of both population and employment into the TAZs.

Disaggregation Methodology

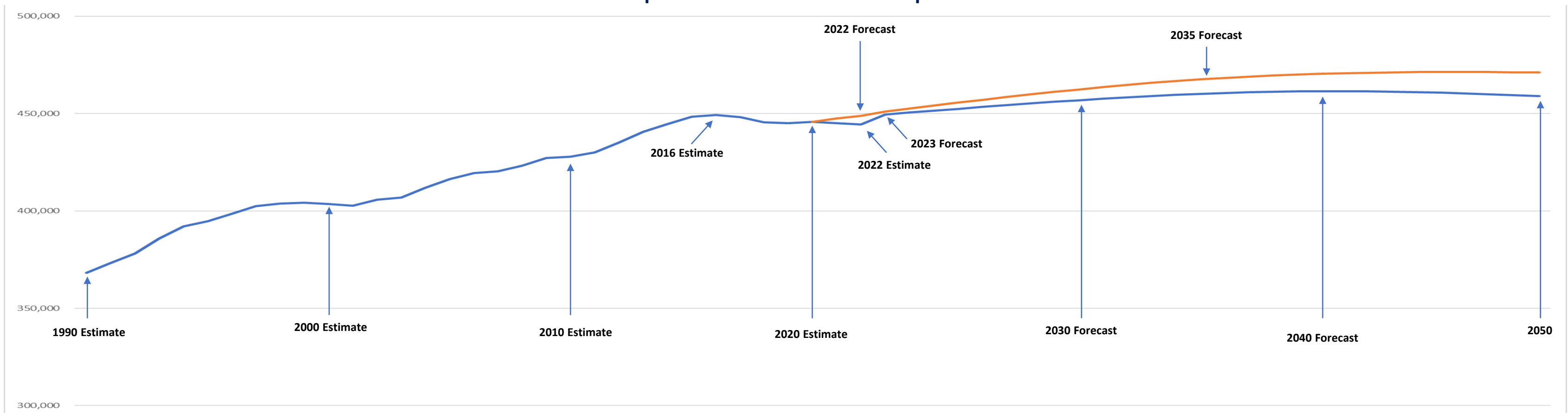
The Corpus Christi MPO is in the process of using a cloud software named UrbanSim to suballocate households and jobs around the Corpus Christi MPO region between 2020 and 2050. UrbanSim is a microsimulation land use model, designed to help MPOs, cities, counties, and other organizations analyze the potential outcomes of policies and investments on the development and character of cities and regions. The modeling methodology is designed to reflect the interdependencies in dynamic urban systems, focusing on the real estate market and the transportation system. It considers the effects of combinations of interventions on patterns of development, travel demand, and household and firm location. The staff at UrbanSim will leverage national data and open-source libraries developed in the Urban Data Science Toolkit to accelerate the model development and calibration. The scope of services for the UrbanSim effort and schedule is shown in Attachment 5.

Attachments:

1. Historic and Projected Population Table
2. Dot Density Map of 2020 Population
3. Historic and Projected Employment Table
4. Dot Density Map of 2021 Data Axle Employment Locations
5. UrbanSim Scope and Schedule
6. Small Area Task Force Roster
7. Population and Employment Control Totals

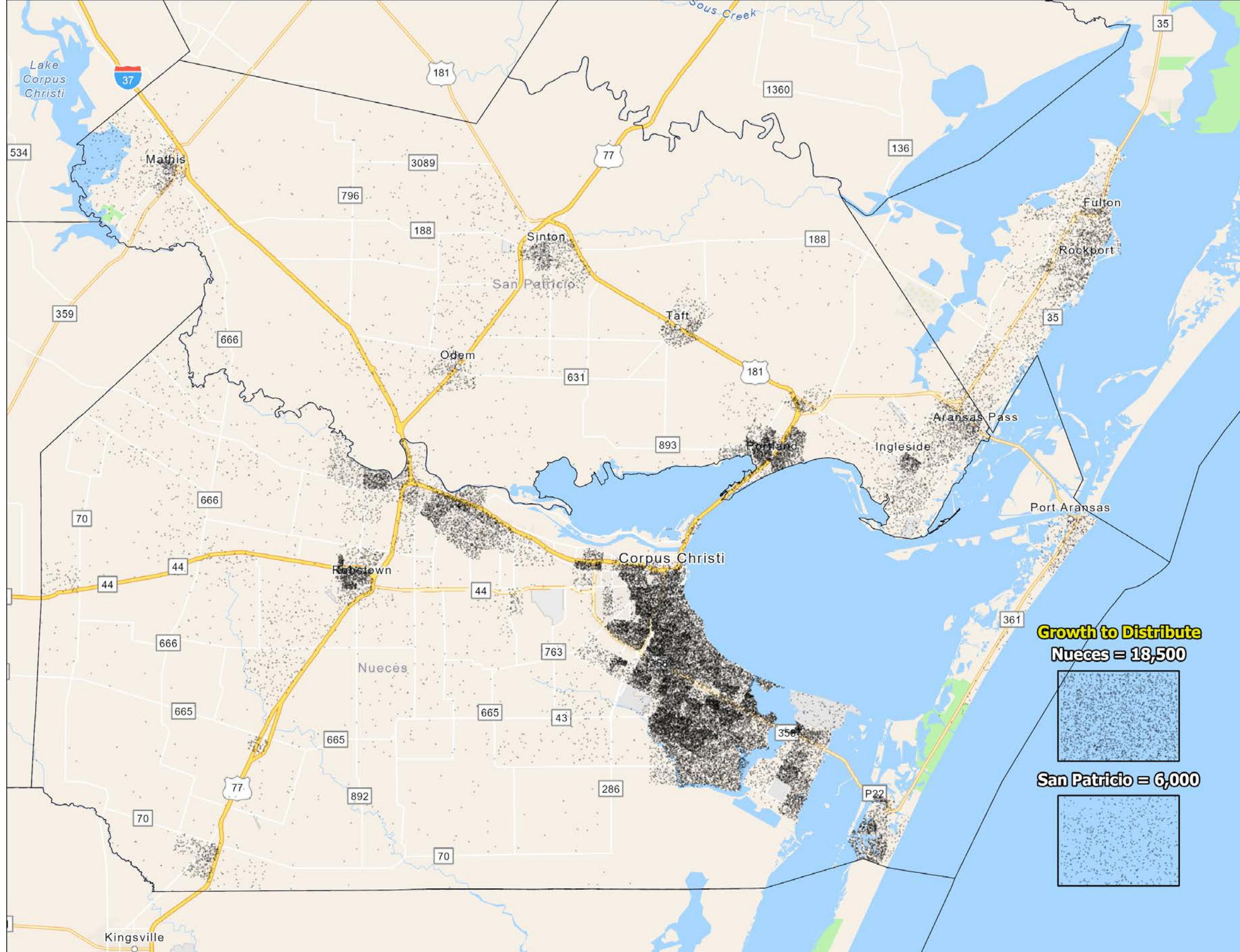
2020 – 2050 Small Area Forecasting

Historic Population Data and Forecast Population Growth



County	TDC	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Aransas	0.5	23,830	24,394	24,693	23,807	23,749	23,698	23,644	23,566	23,509	23,423	23,353	23,261	23,177	23,085	22,985	22,875	22,787	22,684	22,572	22,458	22,330	22,212	22,110	21,981	21,861	21,753	21,631	21,512	21,403	21,307	21,201
	1.0	23,830	23,982	24,070	24,120	24,178	24,231	24,286	24,319	24,360	24,391	24,415	24,442	24,459	24,446	24,453	24,458	24,437	24,411	24,378	24,337	24,299	24,253	24,200	24,142	24,093	24,032	23,968	23,892	23,825	23,765	23,708
San Patricio	0.5	68,755	69,122	69,282	69,590	69,876	70,136	70,427	70,697	70,978	71,230	71,476	71,727	71,982	72,229	72,442	72,673	72,890	73,108	73,316	73,510	73,658	73,833	73,978	74,116	74,250	74,357	74,445	74,529	74,585	74,638	74,669
	1.0	68,755	69,092	69,413	69,759	70,082	70,400	70,727	71,048	71,380	71,661	71,973	72,284	72,573	72,868	73,130	73,391	73,641	73,897	74,145	74,357	74,569	74,771	74,953	75,131	75,272	75,402	75,524	75,619	75,715	75,769	75,816
Nueces	0.5	353,178	351,484	350,472	357,156	358,322	359,466	360,551	361,642	362,693	363,699	364,690	365,623	366,503	367,343	368,110	368,796	369,460	369,981	370,450	370,824	371,130	371,358	371,529	371,671	371,752	371,797	371,796	371,754	371,693	371,584	371,485
	1.0	353,178	354,369	355,255	356,066	356,842	357,612	358,342	359,083	359,785	360,483	361,162	361,853	362,467	363,060	363,606	364,086	364,473	364,812	365,053	365,220	365,303	365,312	365,264	365,179	365,020	364,795	364,552	364,248	363,899	363,484	363,055
3-County Total	0.5	445,763	445,000	444,447	449,463	450,467	451,446	452,413	453,346	454,272	455,136	455,991	456,841	457,626	458,374	459,033	459,634	460,150	460,604	460,941	461,188	461,291	461,357	461,352	461,276	461,131	460,905	460,628	460,289	459,887	459,429	458,925
	1.0	445,763	447,443	448,738	451,035	452,582	454,097	455,564	457,009	458,433	459,751	461,078	462,349	463,535	464,657	465,693	466,645	467,538	468,289	468,973	469,518	469,998	470,382	470,682	470,944	471,117	471,231	471,288	471,265	471,233	471,118	471,009

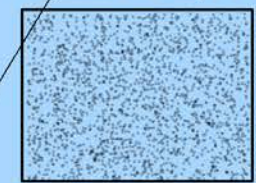
Source: US Census and Texas Demographic Center Population Projections Program Vintage 2022



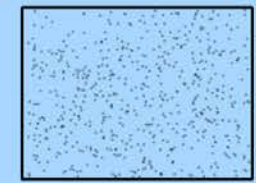
1 Dot = 10 People



Growth to Distribute
Nueces = 18,500



San Patricio = 6,000



Source: US Census 2020

2020 Population Density Map

Agenda Item 4B - Attachment 2

2050 SAF Development

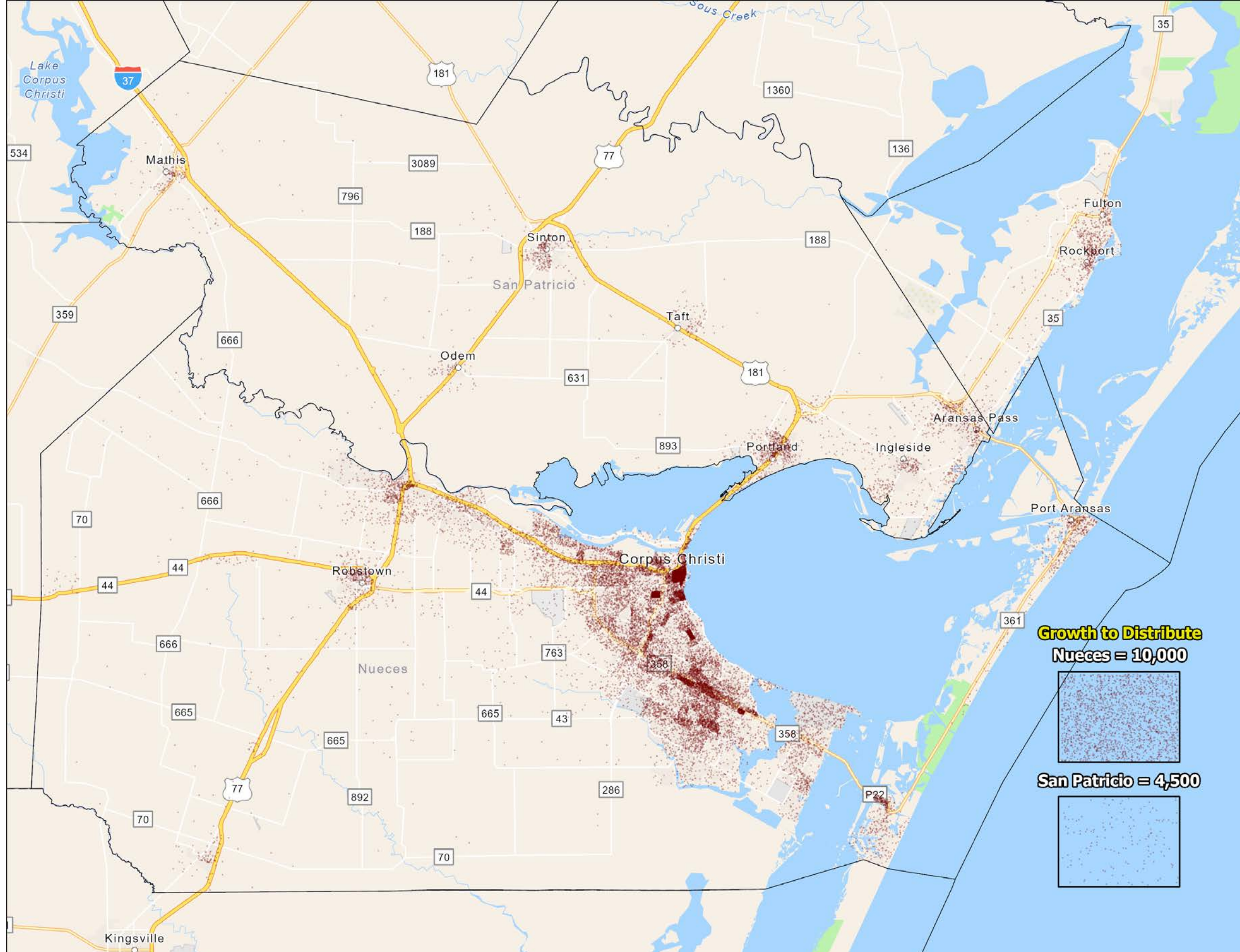
2020 – 2050 Small Area Forecasting

Historic Employment Data and Forecast Employment Growth



County	TDC	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Aransas	0.5	5,952	5,937	5,925	5,911	5,892	5,877	5,856	5,838	5,815	5,794	5,771	5,746	5,719	5,697	5,671	5,643	5,615	5,583	5,553	5,528	5,495	5,465	5,438	5,408	5,378	5,351	5,327	5,300
	1.0	6,030	6,045	6,058	6,072	6,080	6,090	6,098	6,104	6,111	6,115	6,112	6,113	6,115	6,109	6,103	6,095	6,084	6,075	6,063	6,050	6,036	6,023	6,008	5,992	5,973	5,956	5,941	5,927
San Patricio	0.5	20,181	20,264	20,339	20,424	20,502	20,584	20,657	20,728	20,801	20,875	20,946	21,008	21,075	21,138	21,201	21,262	21,318	21,361	21,412	21,454	21,494	21,533	21,564	21,589	21,613	21,630	21,645	21,654
	1.0	20,230	20,324	20,416	20,511	20,604	20,700	20,782	20,872	20,962	21,046	21,132	21,208	21,283	21,356	21,430	21,502	21,564	21,625	21,684	21,736	21,788	21,829	21,867	21,902	21,930	21,957	21,973	21,987
Nueces	0.5	164,292	164,828	165,354	165,853	166,355	166,839	167,302	167,757	168,187	168,591	168,978	169,331	169,646	169,952	170,191	170,407	170,579	170,720	170,825	170,903	170,969	171,006	171,027	171,026	171,007	170,979	170,929	170,883
	1.0	163,790	164,147	164,502	164,837	165,178	165,501	165,822	166,135	166,452	166,735	167,008	167,259	167,480	167,658	167,814	167,924	168,001	168,039	168,044	168,021	167,982	167,909	167,806	167,694	167,554	167,394	167,203	167,005
3-County Total	0.5	190,425	191,029	191,618	192,188	192,749	193,300	193,815	194,323	194,803	195,260	195,695	196,085	196,440	196,787	197,063	197,312	197,512	197,664	197,790	197,885	197,958	198,004	198,029	198,023	197,998	197,960	197,901	197,837
	1.0	190,050	190,516	190,976	191,420	191,862	192,291	192,702	193,111	193,525	193,896	194,252	194,580	194,878	195,123	195,347	195,521	195,649	195,739	195,791	195,807	195,806	195,761	195,681	195,588	195,457	195,307	195,117	194,919

Source: Quarterly Census Employment and Wages (QCEW) and Calculations based on Jobs to Population Ratio as suggested by Texas Demographic Center



1 Dot = 10 People



Growth to Distribute
Nueces = 10,000



San Patricio = 4,500



Source: Data Axle 2021

EXHIBIT A

SCOPE OF WORK AND SCHEDULE FOR DEDICATED MODELER SUPPORT

UrbanSim, Inc. (“UrbanSim”) will perform the following services for Corpus Christi Metropolitan Planning Organization (CCMPO) to set up the model for CCMPO, calibrate it, provide an interface to the CCMPO travel model, and develop a baseline forecast reflecting CCMPO feedback.

TASK 1: LAND-USE MODEL SETUP

A calibrated and validated land-use model system will be prepared by UrbanSim for the MPO area, running at a parcel level of detail, in a cloud platform with easy-to-use interface for scenario building, running, and evaluation. The platform will enable the forecast of future years’ demographics at the TAZ level, being this the minimum zonal data resolution required for travel demand and emissions modeling. To achieve task 1, the following subtasks will be developed:

Subtask 1a) Research national database for MPO information

UrbanSim will leverage national data acquired to accelerate the land-use model development of the MPO area, enabling its rapid completion at the highest quality standards, and at parcel level of detail.

UrbanSim will make use of open-source libraries developed in the Urban Data Science Toolkit, using an updated parcel version of the model system.

Subtask 1b) Calibration and validation of base year 2020

UrbanSim will develop a fully calibrated and validated parcel-level land-use model of base year 2020 for the MPO region, to enable simulating the evolution in real estate development and disaggregate location of households and jobs over time. Such land-use model will integrate a set of configurable modules within the UrbanSim cloud platform and a graphical user interface (GUI) to enable users to efficiently conduct analyses of different scenarios.

The data inputs and outputs for operating the UrbanSim model are shown in **table 1**. Once the database is compiled, the model equations must be estimated using local data, and the full model system must be calibrated. A final step before actual use of the model is a validation process that tests the operation of the model over time and makes adjustments to the dynamic components of the model.

- **Deliverables under task 1:**
 - ✓ Kick-off meeting with MPO staff,
 - ✓ Calibrated and validated 2020 UrbanSIM land-use model for the MPO region, and

Table 1. Data Inputs and Outputs of UrbanSim software

UrbanSim Inputs	<ul style="list-style-type: none"> • Employment data, usually in the form of geocoded business establishments, but alternatively from zonal employment by sector • Household data, merged from multiple census sources • Parcel database, with acreage, land use, housing units, non-residential square footage, year built, land value, improvement value, city and county • City and County General Plans and zoning • Environmental features such as wetlands, floodways, steep slopes, or other sensitive or regulated lands • Traffic Analysis Zones • GIS Overlays for any other planning boundaries • Travel Model outputs • Development Costs
UrbanSim Outputs summarized by Parcel, Census Block, Traffic Analysis Zone, and Municipality	<ul style="list-style-type: none"> • Households by income, age, size, and presence of children • Employment by industry and land use type • Acreage by land use • Dwelling units by type • Square feet of nonresidential space by type • Real estate prices and rents
Travel Model Outputs (Zone-to-Zone) Used in UrbanSim	<ul style="list-style-type: none"> • Travel time by mode by time of day by purpose • Trips by mode by time of day by purpose • Composite utility of travel using all modes by purpose • Generalized costs (time + time equivalent of tolls) by purpose

TASK 2: SCENARIO MODELING/EVALUATION

The UrbanSim software is designed to simulate and evaluate the potential effects of multiple scenarios. The term scenario is used in the context of UrbanSim in a very specific way: a scenario is a combination of input data and assumptions to the model system, including macroeconomic assumptions regarding the growth of population and employment in the study area, the configuration of the transportation system assumed to be in place in specific future years, and general plans of local jurisdictions that will regulate the types of development allowed at each location. To achieve task 3, the following subtasks will be developed:

Subtask 2a) Develop Baseline scenario

UrbanSim will be provided by the MPO access to municipal land use plans and zoning to accelerate the development of a baseline scenario. UrbanSim will generate a baseline simulation

for a target horizon of 2050, and will review the results with the MPO. Based on feedback from the MPO, up to three iterations will be made to improve the baseline forecast to address feedback.

Subtask 2b) Setup and coding of alternative scenarios

Depending on CCMPO interests, 3 or 4 alternative conceptual scenarios of land use policies and transportation infrastructure proposed by UrbanSim Inc in consultation with CCMPO will be coded using the UrbanSim Services and Software.

UrbanSim will do the coding of two of the scenarios, showcasing all procedures to the group of trained staff. The remaining scenarios will be coded by MPO staff under guidance and supervision of UrbanSim.

UrbanSim will proceed to run two scenarios. The trained MPO staff will proceed to run the rest of the scenarios under the supervision and guidance of UrbanSim. The setup for all scenarios should be programmed to have the runs model yearly conditions up to 2050.

UrbanSim will proceed to summarize demographic output at the TAZ level for years 2030, 2040 and 2050, for two of the scenarios. The output of these two scenarios will be used by UrbanSim to prepare density maps for review and comparison. Under the supervision of UrbanSim, MPO staff will do the same for the rest of the scenarios.

Subtask 2b) Develop interface with the MPO’s Travel Demand Model

UrbanSim will implement effective interfaces between the land-use models in the UrbanSim Cloud Platform with the Travel Demand Model (TDM) used by MPO.

The land-use model is interfaced with a metropolitan travel model system to deal with the interactions of land-use and transportation. Access to opportunities, such as employment or shopping, are measured by the travel time or cost of accessing these opportunities via all available modes of travel.

Accessibility is the glue that connects land use and transportation. UrbanSim software coupled with MPO travel models, provide a powerful combination to support informed transportation planning, enabling multi-modal accessibility to inform household and firm location choices, rents and prices, and real estate development – all of which in turn influence multi-modal demand for travel within the region.

Subtask 2c) Training of local personnel and preparation of user guide

UrbanSim will train MPO staff, in consultation with local governments, in the use of UrbanSim Services and Software. Once the training is completed, the group should be able to code different scenarios and run them.

SCHEDULE AND BUDGET

Schedule is from the time of contract execution.

Dedicated Modeler Support over first 3 months: 144 hours, \$36,000

- Months 1-2: data loaded, model calibration completed.
- Month 3: baseline forecast generated and refined with local input

Dedicated Modeler Support for Months 4-6: 144 hours, \$36,000

- Months 4-6: creation and refinement of alternative scenarios
- Assistance with the operation of the model and platform, support for consultant use

Optional – not needed if Freese and Nichols do not get involved in running the model:

Freese and Nichols User Account to run additional simulations:

- \$1,500 per user per month (only needed during period actively running scenarios)

Small Area Task Force Roster

Entity	Name	Title	E-mail address	Remarks
City of Portland	Brian DeLatte	Deputy City Manager	brian.delatte@portlandtx.gov	TAC member
Corpus Christi Regional Transportation Authority	Gordon Robinson	Director of Planning	grobinson@ccrta.org	TAC member
City of Corpus Christi Planning Department	Dan McGinn	Director	DanielMc@cctexas.com	TAC member
Nueces County Public Works	Juan Pimentel	Director/County Engineer	juan.pimentel@nuecesco.com	TAC member
Port of Corpus Christi	Jeff Pollack	Chief Strategy & Sustainability Officer	jpollack@pocca.com	TAC member
San Patricio County	Howard Gillespie	Commissioner Precinct 4	hgillespie@sanpatriciocountytx.gov	TAC member
Texas Department of Transportation Corpus Christi	Paula Sales-Evans	Director of Transportation Planning & Development	paula.salesevans@txdot.gov	TAC member
Texas Department of Transportation Corpus Christi	Amanda Longoria	Transportation Planner	amanda.longoria@txdot.gov	TAC proxy
Coastal Bend Council of Government	Emily Martinez	Director of Economic Development	emily@coastalbendcog.org	Accepted 2/6/2023
CCISD	Dr. Roland Hernandez	Superintendent	Roland.Hernandez@ccisd.us	Accepted 1/10/2023
CCISD	Sulema Daniel	Senior Executive Administrative Assistant	sulema.daniel@ccisd.us	Copy her when send email to Dr. Hernandez
City of Corpus Christi Development Services	Al Raymond	Director	AlRaymond@cctexas.com	
City of Corpus Christi Planning Department	Keren Costanzo	Economic Development Manager	kerenc@cctexas.com	Accepted 1/18/2023
City of Corpus Christi Water Utilities	Michael Murphy	Chief Operating Officer	michaelmur@cctexas.com	Accepted 1/25/2023
City of Portland Development Services	Sarah Munoz	Director	sarah.munoz@portlandtx.gov	Accepted 1/27/2023
City of Portland Public Works	Dr. Kenneth Banks	Director	kenneth.banks@portlandtx.gov	Accepted 1/13/2023
City of Robstown Improvement Development Corp.	Beatriz Charo	Executive Director	bcharo@cityofrobstown.com	Accepted 1/10/23
Coastal Bend Industry Association	Bob Paulison	Executive Director	bobpaulison@gmail.com	Accepted 1/13/2023
Corpus Christi Convention and Visitors Bureau	Brett Oetting	President & CEO	brett@visitcorpuschristi.com	Accepted 1/24/2023
Corpus Christi Convention and Visitors Bureau	Meredith Darden	Vice President of Strategy	meredith@visitcorpuschristi.com	
Corpus Christi Hispanic Chamber of Commerce	Hope Rangel	Liaison of Hispanic Business Affairs	hope@unitedcorpuschristi.org	Accepted 1/12/2023
Del Mar Center of Economic Development	Ann Fierova	Director	afierova@delmar.edu	Accepted 2/2/2023
Gregory-Portland ISD	Dr. Michelle Cavazos	Superintendent		Accepted 1/11/2023
Gregory-Portland ISD	Amy Malone	Executive Assistant for Superintendent	amalone@g-pisd.org	Copy her when send email to Dr. Cavazos
Harte Research Institute Socio-Economic Group	Dr. Jim Lee	TAMU-CC Regents Professor of Economics	jim.lee@tamucc.edu	Accepted 1/11/2023
Ingleside ISD Board of Trustees				
City of Ingleside Development Corp.	Teresa Flores	President	t_flores1976@yahoo.com	Accepted 1/18/2023
San Patricio County	Desiree' L. Voth	Government Affairs	dvoth@sanpatriciocountytx.gov	Accepted 1/20/2023
San Patricio Economic Development Corporation	Adam Gawarecki	President & CEO	adam@sanpatricioedc.com	Accepted 1/27/2023
TAMU-CC Administration	Joseph Miller	Director of Research Engagement	joseph.miller@tamucc.edu	Accepted 1/27/2023
United Corpus Christi Chamber of Commerce	Kresten Cook	Executive Director, South Texas Military Task Force	kresten@unitedcorpuschristi.org	Accepted 1/10/2023
United Corpus Christi Chamber of Commerce	Ginny Gunderson Cross	Vice President, Government & Community Relations	ginny@unitedcorpuschristi.org	Accepted by email 1/6/2023
United Corpus Christi Chamber of Commerce	Al Arreola Jr.	President & CEO	al@unitedcorpuschristi.org	Accepted by phone call 1/9/23
Coastal Bend Home Builders Association	Ben Molina	Director of Government Affaris	ben@coastalbendhba.org	Accepted by e-mail 5/11/2023
City of Corpus Christi Neighborhood Services	Jennifer Buxton	Assistant Director	jenniferb9@cctexas.com	
City of Corpus Christi Public Works	Gabriel Hinojosa	Interim Director	GabrielH@cctexas.com	
City of Corpus Christi Downtown Management	Kristen Acock	Placemaking Manager	kristen@cctexasdmd.com	
City of Corpus Christi Downtown Management	Alyssa Mason	Executive Director	alyssa@cctexasdmd.com	
City of Corpus Christi Development Services	Dru Penland		DruP@cctexas.com	
City of Corpus Christi Development Services	Bria Whitmire		briaw@cctexas.com	
Corpus Christi ISD	John Dibala	Construction Project Manager	John.Dibala@ccisd.us	
City of Corpus Christi Development Services	Nina Nixon-Mendez	Assistant Director	NinaM@cctexas.com	
City of Corpus Christi Economic Development	Randy Almaguer	Director	randya@cctexas.com	
City of Corpus Christi Gas Department	Bill Mahaffey	Director of Gas Operations		
City of Corpus Christi Neighborhood Services	Tracey K. Cantu	Assistant Director	traceyc@cctexas.com	
City of Corpus Christi Planning Department	Annika G. Yankee	Planning Manager	AnnikaG@cctexas.com	

Small Area Task Force Roster

Entity	Name	Title	E-mail address	Remarks
City of Corpus Christi Public Works	Renee Couture	Interim Assistant Director	ReneeC@cctexas.com	
City of Corpus Christi Utilities Department	Neiman Young	Assistant City Manager	neimany@cctexas.com	
City of Corpus Christi Utilities Department	Reba George	Assistant Director of Support Services	RebaG@cctexas.com	
City of Ingleside Development Corporation	Rene Contreras	President		
City of Portland Utility Department	Joe Lopez Jr.	Utilities Superintendent	joe.lopez@portlandtx.gov	
City of Robstown Improvement Development Corp.	Balde Torres	President		
City of Robstown Improvement Development Corp.	John Marez	County Commissioner		
City of Robstown Improvement Development Corp.	Gilbert Gomez	Mayor		
City of Sinton	John Doria	Maintenance		
City of Sinton	John D. Hobson	City Manager		
Coastal Bend Center for Independent Living	Marisa Telgi-Masur	Executive Director		
Coastal Bend Home Builders Association	Bart Braselton	Executive Director		
Corpus Christi Association of Realtors	Triston Crossland	CEO		
Corpus Christi Black Chamber of Commrce	Coretta Graham	ESQ	cctxblackchamberoc@gmail.com	
Corpus Christi Downtown Management District	Jenny Bodwell	Economic Development Manager	jenny@cctexasdmd.com	
Corpus Christi International Airport	Kevin Smith	Director	kevins4@cctexas.com ;	
Corpus Christi Regional Economic Development Corp.	Brittany Sotelo	Vice President	bsotelo@ccredc.com	
Corpus Christi Regional Economic Development Corp.	Mike Culbertson	Interim CEO	mculbertson@ccredc.com	
Corpus Christi Regional Economic Development Corp.	Sarah Tindall	Vice President	saraht@ccredc.com	
Corpus Christi Regional Economic Development Corp.	Pamela Lago	Information Manager	plago@ccredc.com	
Flour Bluff ISD	Kristen Bily	Executive Director of Communication		
Harte Research Institute Socio-Economic Group	Dr. Katya Wowk	HRI Chair for Community Resilience & Director of Texas One Gulf	katya.wowk@tamucc.edu	
London ISD	Noemi Avila			
Port of Corpus Christi	Nelda Olivo	Director of Government Affaris		
Portland Chamber of Commerce	Tammie Shelton	President & CEO	director@portlandtx.org	
San Patricio Economic Development Corporation	Becky Gallagher	Director of Administration	beckym@sanpatricioedc.com	
West Oso ISD	Diane Jackson			

Population and Employment Control Totals

Population			
County	2020	2050 Texas Demographic Center .05	Control Total
Nueces	353,178	371,485	371,500
San Patricio	68,755	74,669	75,000
Aransas	23,830	21,201	22,500
Total	445,763	467,355	469,000

Employment				
County	Jobs to Population Ratio	2020	2050 Texas Demographic Center .05	Control Total
Nueces	0.46	161,115	170,883	171,000
San Patricio	0.29	17,525	21,654	22,000
Aransas	0.25	5,133	5,300	5,500
Total	1.0		197,837	198,500



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 4C: FY 2023-2026 Transportation Improvement Program (TIP) Amendment 1
Action: Review, Discuss, Receive Public Comment, and Possible Action

Summary

Amendment 1 to the FY 2023-2026 TIP is proposed to the Transportation Policy Committee (TPC) for review, discussion, and possible action. Public Notice #23-3 related to the DRAFT FY 2023-2026 TIP Amendment 1 is provided as Attachment 1. This item is a companion agenda item to the FY 2023 and FY 2024 Unified Planning Work Program (UPWP) Amendment 1. That document is Item 4C on your TAC Agenda.

In our on-going discussions about planning tools and processes necessary for a performance-based system, the Corpus Christi MPO team was approved for an initial \$2,000,000 in federal funding from the Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA). These funds are intended to fully fund planning projects, data acquisition and tools either required by regulation, suggested in guidance, or were asked for during the 2045 MTP After-Action Report. These specific CRRSAA funds do not require a local match because they are COVID-related relief funds designated to the Corpus Christi MPO. The specific deliverables are identified in the executed TxDOT NCAFA (Non-Construction Advanced Funding Agreement) for the initial \$2,000,000. The NCAFA is provided as Attachment 4 through a weblink. The revised NCAFA is in review by TxDOT to add the additional \$1,179,828 for the enhanced scopes of services and data collection activities in the original NCAFA. The new total of CRRSAA funds is \$3,179,828. Most of the changes are to add public outreach activities to the Tasks in the NCAFA and increase some data collection activities. For this FY 2023-2026 TIP Amendment, the key action is to show the total funds for the TIP Project as well as document the expenditure in the DRAFT FY 2023 and FY 2024 UPWP. The Amended NCAFA will proceed on a parallel approval process. The total CRRSAA funds of \$3,179,828 have been obligated through TxDOT and FHWA.

Changes to the FY 2023-2026 TIP with Amendment 1

- Title Page: Add proposed approval dates and text for Amendment 1
- Page 13: Edited the following paragraph to change tense:
 - *Corpus Christi MPO staff has also led collaborative proposals in response to multiple FHWA solicitations related to resilience and adaptation. The Corpus Christi MPO was successfully awarded a grant from the FHWA Resilience and Durability to Extreme Weather Pilot Program. The project addressed Laguna Shores Road which runs along the western shoreline of the Laguna Madre between SH 358 & Barney M. Davis Energy Center.*
- Page 37: Updated Project MPO-067 MPO Planning Tools and Studies to \$3,179,828
- Page 39: Revised STIP Table for the MPO Planning Tools and Studies project to reflect the new total funding of \$3,179,828
- Page 43: Updated Table 17 TxDOT TIP Highway Financial Summary – Year of Expenditure Cost to reflect the additional \$1,179,828 of CRRSAA funds
- Page 60, Appendix B: Revised the FY 2023-2026 TIP Fiscally Constrained Highway Project List (For Illustration Purposes) – June 2, 2022 table to illustrate the change to the CRRSAA funds
- Pages 76-77: Revised the TPC and TAC membership lists to current individuals.

Prior Actions for FY 2023-2026 TIP

- May 12, 2022: TPC approved the Corpus Christi MPO FY 2023-2026 TIP
- November 18, 2022 FHWA/FTA Approval of the FY 2023-2026 TIP

Recommendation

The Corpus Christi MPO staff and the TAC recommends that the TPC review, comment and receive public comments on the DRAFT FY 2023-2026 TIP with Amendment 1, then release the document for a one-month public comment period.

Proposed Motion

Move to recommend the TPC release the DRAFT FY 2023-2023 TIP with Amendment 1 for a one-month public comment period.

Financial Impact

None. The CRRSAA funds are 100 percent federal dollars and do not require a local match nor a match from TxDOT funds.

Attachments:

1. Public Notice #23-3
2. Excerpt of DRAFT FY 2023-2026 TIP Amendment 1 for CRRSAA (STIP Table and Table 15a)
3. DRAFT FY 2023-2026 TIP with Amendment 1 [\[WEBLINK\]](#)
4. Executed NCAFA for MPO Planning Tools and Studies [\[WEBLINK\]](#)



PUBLIC NOTICE #23-03

September 7, 2023

The **Corpus Christi Metropolitan Planning Organization** (Corpus Christi MPO) is seeking public input and comments on the:

- **FY 2023 and FY 2024 Unified Planning Work Program (UPWP) Amendment 1**, and
- **FY 2023 – 2026 Transportation Improvement Program (TIP) Amendment 1**

The UPWP serves as the scope of work for the Corpus Christi MPO and documents transportation-related planning activities conducted in the Corpus Christi MPO Planning Area. The FY 2023 – 2026 TIP identifies how the region plans to invest in the transportation system during the Fiscal Years 2023 through 2026. In accordance with the Corpus Christi MPO Public Participation Plan, the MPO is seeking to inform those who are interested in or affected by transportation decisions with opportunities to provide input on the FY 2023 and FY 2024 UPWP Amendment 1 and FY 2023 – 2026 TIP Amendment 1.

The **DRAFT FY 2023 and FY 2024 UPWP Amendment 1 and FY 2023 – 2026 TIP Amendment 1** are being released to the public on September 7, 2023 and public input is invited through October 12, 2023 at the following public meetings:

Public Comments may be provided in writing, limited to 1,000 characters, by emailing ccmpo@cctxmpo.us or by regular mail or hand-delivery to the Corpus Christi MPO offices at 602 N. Staples St., Suite 300, Corpus Christi, TX 78401, and MUST be submitted at least 1 hour before the start of a meeting in order to be provided for consideration and review at the meeting. To make a public comment at the meeting, please fill out the comment card and submit it to Corpus Christi MPO staff 10 minutes before the meeting starts. All Public Comments submitted shall be placed into the record of the meeting.

September 7, 2023, 2:00 p.m.*
MPO Transportation Policy Committee
Corpus Christi City Hall – 6th Floor Executive
Conference Room
1201 Leopard Street, Corpus Christi, TX 78401

September 21, 2023, 9:00 a.m.*
MPO Technical Advisory Committee
Corpus Christi Regional Transportation Authority
602 N. Staples Street, 2nd Floor Board Room
Corpus Christi, TX 78401

October 12, 2023, 2:00 p.m.*
MPO Transportation Policy Committee
Corpus Christi City Hall – 6th Floor Executive
Conference Room
1201 Leopard Street, Corpus Christi, TX 78401

**Meeting location and time subject to change, check MPO website for final location.*

www.corpuschristi-mpo.org

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



Statewide Transportation Improvement Program

Corpus Christi MPO

Highway Projects

STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
CORPUS CHRISTI MPO - HIGHWAY PROJECTS
FY 2023

DISTRICT	MPO	COUNTY	CSJ	TIP FY	HWY	PHASE	CITY	YOE COST	
CORPUS CHRISTI	CORPUS CHRISTI	NUECES	0916-00-255	2023	VARIOUS	E	VARIOUS	\$ 3,179,828	
LIMITS FROM		VARIOUS LOCATIONS IN CORPUS CHRISTI MPO		PROJECT SPONSOR		CORPUS CHRISTI MPO			
LIMITS TO		VARIOUS LOCATIONS IN CORPUS CHRISTI MPO		REVISION DATE		10/2022			
PROJECT		CORPUS CHRISTI MPO PLANNING TOOLS AND STUDIES PER NCAFA#00003987		MPO PROJ NUM		MPO-067			
DESCR				FUNDING CAT(S)		7_CRRSAA			
REMARKS NCAFA and Notice of Proceed are attached.				PROJECT HISTORY					
P7									
TOTAL PROJECT COST INFORMATION				AUTHORIZED FUNDING BY CATEGORY/SHARE					
PREL ENG \$	3,179,828	COST OF APPROVED PHASES	CATEGORY	FEDERAL	STATE	REGIONAL	LOCAL MATCH	LC	TOTAL
ROW PURCH \$	0		7_CRRSAA	\$ 3,179,828	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,179,828
CONSTR \$	0		TOTAL	\$ 3,179,828	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,179,828
CONST ENG \$	0								
CONTING \$	0								
INDIRECT \$	0								
BOND FIN \$	0								
PT CHG ORD \$	0								
TOTAL CST \$	3,179,828								

PHASE: C = CONSTRUCTION, E = ENGINEERING, R = ROW, T = TRANSFER

FISCAL YEARS 2023 – 2026 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) Table 15a. FY 2023-2026 TIP Fiscally Constrained Highway Project List (For Illustration Purposes) – June 2, 2022

TIP Fiscal Year	CSJ	MTP ID	Project Name	Description	From Limit	To Limit	Sponsor	TxDOT System	Funding Category	Construction Cost (\$, millions)	CAT2	CAT4	CAT7	CAT9	Local/Other	Prior Funding	Total Project Cost (\$, millions)
2023	1209-01-030	MPO-006	FM 893 (Moore Avenue)	Upgrade the roadway from two 12-ft travel lanes with 3-ft shoulders to a five lane section with curb and gutter including two 12-ft travel lanes in each direction, a 14-ft continuous center turn lane, and pedestrian facilities on either side of the roadway. Pedestrian facilities would include a 10-ft shared use path on the north side of the roadway and sections of 5-ft sidewalk connected to sections of 10-ft shared use path on the south side of the roadway.	CR 3685 (Stark Road)	0.2 miles West of CR 79 (Gum Hollow)	TxDOT-CRP	On	2	\$7.90	\$7.90						\$10.26
2023	0916-35-195	MPO-007	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	Off	7	\$1.20			\$1.20				\$1.56
2023	0916-35-196	MPO-009	Harbor Bridge Park Improvements	Park mitigation for Harbor Bridge. +\$3.5 million local funding from Bond 2014. Former Washington Elementary School site, TC Ayers Park, Ben Garza Park, Dr. HJ Williams Memorial Park (Hill Crest Park). Construct hike and bike trail connections, and develop park to appropriate level of service based on community input.	At various city parks including	Ben Garza, TC Ayers, Hill Crest Park, and new location	City of Corpus Christi	Off	7	\$4.80			\$1.30		\$3.50		\$4.80
2023	0916-00-255	MPO-067	MPO Planning Tools and Studies	Implement enhanced tools and data analysis for use in short-range programming and long-range planning. Models: Travel Demand, Resiliency, Socio-Economic Allocation, Pavement Management, etc... Plans/Programs: Regional Safety, Regional Active Transportation, Resiliency, Regional Complete Streets, Congestion Management Program.	Corpus Christi MPO Planning Area	Corpus Christi MPO Planning Area	MPO	On	7	\$3.182.00-			\$3.182.00-				\$3.182.60-
2023	0916-00-256	MPO-068	Regional Traffic Operations Improvements and Safety Countermeasures	Traffic operations improvements and safety countermeasures including but not limited to the following: 1. Crash reduction on all public roads by targeting locations identified as most statistically anomalous by Vision Zero Suite. 2. Construct the prioritized list of countermeasures that best optimize resources and have the greatest impact on improving safety. 3. Implement TSMO strategies on Regionally Significant Corridors without adding capacity.	Corpus Christi MPO Planning Area	Corpus Christi MPO Planning Area	Various	On	7	\$4.14			\$4.14				\$5.37
2023	5000-00-916	MPO-069	FY 2022 - FY 2025 STBG-SA/ CAT 9 Awarded Projects	STBG-SA (CAT 9) Awarded Project in May 2022 by the TPC.	Various	Various	City of Portland City of Corpus Christi	Off	9	\$5.86				\$5.86			\$7.03
2024	0617-01-177	MPO-001	SH 358 (SPID) Ramp Reversal	Ramp reversal Phase II-B. Reconstruct eastbound entrance and exit ramps. Widen and construct new auxiliary lanes. Improve lighting and reconstruct existing merge lane. Construct new sidewalks to improve safety and access for bicyclists and pedestrians.	Nile Drive	Staples Street	TxDOT-CRP	On	2	\$39.96	\$39.96						\$51.86
2024	0326-01-056	MPO-005	SH 286 (Crosstown)	The proposed project would improve SH 286 within the project limits from a two-lane undivided highway to a controlled access four-lane freeway with two 12-foot main lanes in each direction, the main lanes having four-foot inside shoulders and 10-foot outside shoulders, two 12-foot frontage road lanes in each direction with a 12-foot outside shoulder, entrance and exit ramps, and five-foot sidewalks outside the frontage road shoulders. The proposed improvements would include grade separations at CR 20A, CR 22, and FM 2444.	FM 43 (Weber Road)	South of FM 2444 (Staples Street)	TxDOT-CRP	On	2	\$41.58	\$41.58						\$53.97
2025	0989-02-057	MPO-033	FM 624 (Northwest Boulevard)	Construct additional two travel lanes to upgrade existing four lane rural roadway to an urban six lane boulevard with raised median.	CR 69	FM 73	TxDOT-CRP	On	2 / 4U / 7	\$21.28	\$9.28	\$10.00	\$2.00				\$25.54
2026	0916-35-252	MPO-024	Yorktown Boulevard	Construct 2 additional travel lanes with turn lanes. Elevate and widen bridge.	Rodd Field Road	Laguna Shores Road	City of Corpus Christi	Off	7	\$39.41			\$39.41				\$47.29



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 4D: FY 2023 and FY 2024 Unified Planning Work Program (UPWP) Amendment 1
Action: Review, Discuss, Receive Public Comment and Possible Action

Summary

The Corpus Christi MPO staff requests that the Transportation Policy Committee (TPC) review, discuss, and receive public comment on the DRAFT Amendment 1 to the FY 2023 and FY 2024 Unified Planning Work Program (UPWP). This Amendment increases the 100% federal funds as part of the Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA) to \$3,179,828 for the MPO Planning Tools and Studies project. There have been no public comments received to date. This item is a companion document to Item 4B, the FY 2023-2026 Transportation Improvement Program (TIP) Amendment 1.

As approved in the original UPWP and TIP Amendments that budgeted the \$2,000,000 CRRSAA funds, there continues to be a need to address outdated planning tools and information that are needed to deliver better methods and processes for our MPO’s member governments. Fortunately, the current and this additional funding source provides a unique opportunity for the Corpus Christi MPO to acquire the necessary capabilities, tools and upgraded data for use in our programs. With the 2020 Census data coming available, the access to big data resources, new analytic tools, traffic counts, traffic and socioeconomic forecasting model capabilities, crash analysis methodologies and corridor congestion analysis tools, the time is right for this once in a decade opportunity to enhance the capabilities of the Corpus Christi MPO.

The following table (Exhibit 9) from the UPWP Amendment 1 document identifies the revised funding levels with the 100% Federal CRRSAA. These funds are treated as the Category (CAT 7) funds in the TxDOT systems. The Corpus Christi MPO has completed the initial NCAFA with TxDOT for \$2,000,000 and the additional \$1,179,828 is the subject of this FY 2023 and FY 2024 UPWP Amendment 1 and the FY 2023-2026 TIP Amendment 1 on this month’s TPC agenda. The amended NCAFA is in the review process with TxDOT.

UPWP Task	Description	2-Year TPF ¹ Federal Funds	2-Year FTA 5307 Funds	State Funds	Other Funds CRRSAA	Total Funds
1.0	Administration-Management	\$1,599,633	\$0	\$0	\$ 3,179,828	\$4,779,461
2.0	Model and Data Development and Analyses	\$253,100	\$0	\$0	\$ 0	\$253,100
3.0	Short Range Planning	\$332,000	\$0	\$0	\$ 0	\$332,000
4.0	Metropolitan Transportation Planning	\$289,100	\$0	\$0	\$ 0	\$289,100
5.0	Special Studies	\$0	\$0	\$0	\$0	\$0
TOTAL		\$2,473,833	\$0	\$0	\$3,179,828	\$5,653,661

¹TPF – This includes both FHWA PL-112 and FTA Section 5303 Funds. TxDOT will apply transportation development credits sufficient to provide the match for TPF. As the credits reflect neither cash nor man-hours, they are not reflected in the funding tables.

Fiscal Impacts

We have identified the needs for the Corpus Christi MPO staff and consultant teams to deliver the products and programs we believe are critical to our future capabilities with the CRRSAA funding that is now available. Typically, funding beyond the usual allocation of planning funds that are a combination of federal PL-112 planning funds from the Federal Highway Administration and FTA 5303 planning funds from the Federal Transit Administration is difficult to acquire. In MPOs that are classified as Transportation Management Areas (TMAs) these additional funds commonly come from the Surface Transportation Block Grant (STBG) allocation. The Corpus Christi MPO currently has \$3,179,828 in CRRSAA funds available that are 100% federal funds.

The Corpus Christi MPO staff is proposing to use the total \$3,179,828 in 100% Federal CRRSAA funds to fund data acquisitions and consultant services including public outreach activities that can develop and implement tools that will enhance the regional performance-based planning and programming process.

Additional Changes

Other changes in Amendment 1 to the FY 2023 and FY 2024 UPWP include:

- Cover Page: Change proposed approval dates and added federal disclaimer language
- Changed page-footers to indicate Amendment 1
- Page 2: updated Financial Summary Section
- Pages 4, 17 and 26: Updated funding tables for Task 1.0 and the companion 1.9k Subtask
- Page 52: Updated Exhibit 9. Corpus Christi MPO 2-Year Funding Summary for FY 2023 and FY 2024
- Page 53: Updated Exhibit 10. Corpus Christi MPO FY 2023 & FY 2024 Revenue Sources
- Appendix A: Updated TAC and TPC members in the Appendices

Recommendation

The Corpus Christi MPO staff and the TAC recommend that the TPC review, discuss and receive public comments on Amendment 1 to the FY 2023 and FY 2024 Unified Planning Work Program, then approve release of the document for a one-month public comment period.

Proposed Motion

Move to approve the release of the DRAFT FY 2023 and FY 2024 UPWP with Amendment 1 for a one-month public comment period.

Attachments

1. Public Notice #23-3 for the FY 2023 and FY 2024 UPWP Amendment 1
2. DRAFT FY 2023 and FY 2024 UPWP Amendment 1 [\[WEBLINK\]](#)



PUBLIC NOTICE #23-03

September 7, 2023

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**Meeting location and time subject to change, check MPO website for final location.*

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Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Craig Casper, Senior Transportation Planner
Through: Robert MacDonald, Transportation Planning Director
Subject: Item 5A: Corpus Christi MPO Regional Household Travel Survey
Action: Information Only

Summary

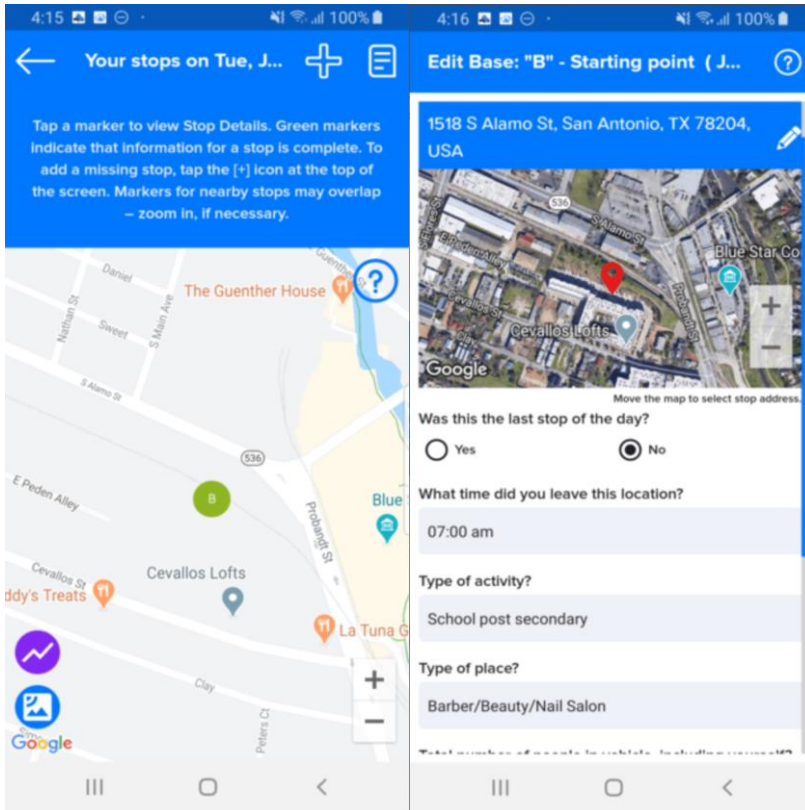
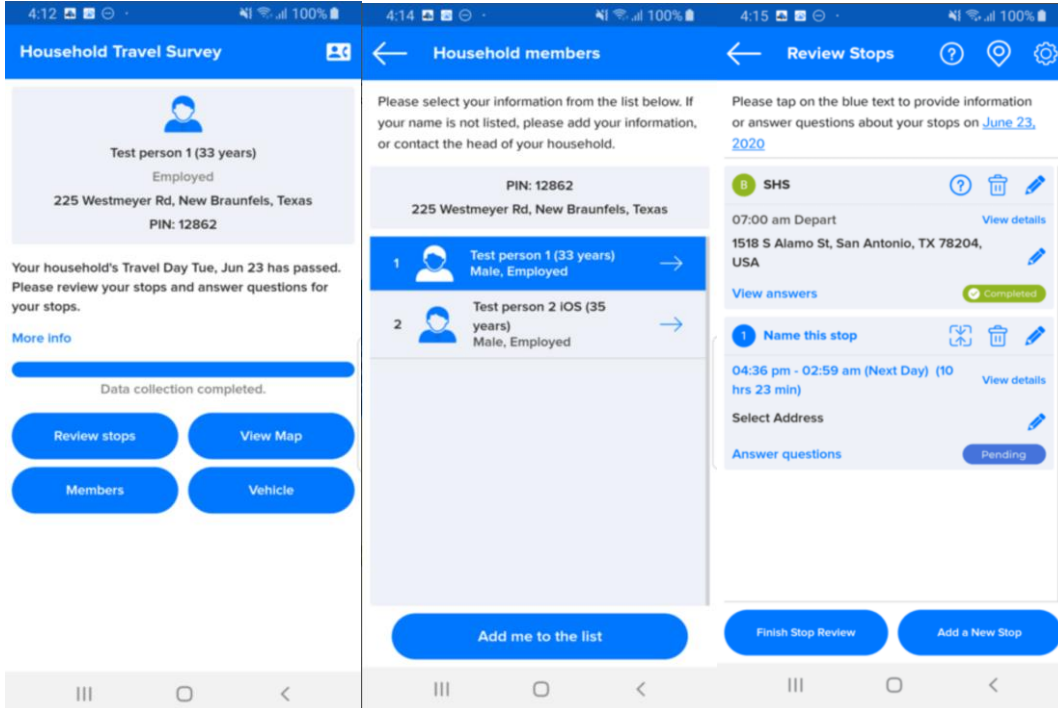
TxDOT and the Corpus Christi MPO are conducting a Household Travel Survey in the two-county region. A consultant team is leading the effort under contract with TxDOT. The Household Travel Survey provides essential information on behavior characteristics that are used to develop travel demand models and in the overall transportation planning process. The surveys gather information to provide an in-depth understanding of travel behavior in the region, including for individuals within households and regional establishments, their travel activities, demographics and other factors that affect travel. Those members of the public agreeing to participate are assigned a one-day travel period and asked to track all trips for each member of the household during that period. Participants use a smartphone app, website or other methods to record where, when, how and why they travel. The information is anonymized and used to calibrate the regional travel demand model. Results from the survey are expected to be available in the next MTP planning cycle for the 2055 MTP.

As part of the outreach for the 2050 Metropolitan Transportation Plan (MTP), the Corpus Christi MPO team will also be soliciting feedback from the public for several different plans, including the Active Transportation and Complete Streets Plan, the Regional Safety Action Plan, and the overall 2050 MTP. The consultants for the MPO planning efforts will utilize Social Pinpoint to conduct these surveys that are separate from the Household Travel Survey. The CCRTA will also be conducting rider surveys during this period. Efforts to harmonize the data and questions to as great an extent as possible will occur.

More information regarding the Regional Household Travel Survey can be found here:

<https://www.txdot.gov/projects/planning/texas-travel-survey.html>

Example screens from similar TxDOT household survey:





Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Robert MacDonald, Transportation Planning Director
Subject: Item 5B: TxDOT 2024 Unified Transportation Program (UTP) Category 2 and 4U Project Selection
Action: Information Only

Summary

TxDOT and the Corpus Christi MPO update the TxDOT 10-year Unified Transportation Program (UTP) each year on a similar schedule. The approval process contains action milestones for both TxDOT and the Corpus Christi MPO to perform. The 2024 UTP will cover the 10-year time period of FY 2024 through FY 2033. The TxDOT 2024 UTP Schedule was to have the most recent UTP Document was made available to the public in July 2023 for projects to be considered in fiscal years 2024-2033.

The outcome of the 2024 UTP process is a list of projects TxDOT intends to develop or begin constructing over the next 10 years in the Corpus Christi MPO region as well as the full CRP District area. Project development includes activities such as preliminary engineering work, environmental analysis, right-of-way acquisition and design. Despite its importance to TxDOT as a planning and programming tool, the UTP is neither a budget nor a guarantee that projects will or can be built. However, it is a critical tool in guiding transportation project development within the long-term planning context. In addition, it serves as a communication tool for stakeholders and the public in understanding the project development commitments TxDOT is making.

As part of the joint 2024 UTP planning effort, the Corpus Christi MPO was responsible for conducting a performance-based scoring process and selecting transportation projects for TxDOT Category 2, Category 7, Category 9 and the new CAT 10 CR for Carbon Reduction projects. As part of the annual reevaluation of projects, the Corpus Christi MPO may reevaluate the status of project priorities and selection and provide a report of any changes to TxDOT in the 2024 UTP development process. No comments from the local governments were received through the process. The final list of projects for our region is provided in the attachment.

TxDOT 2024 UTP Funding for Corpus Christi MPO

In order to select the prioritized projects, the process required that the 2024 UTP be fiscally constrained. The current (July 7, 2023) estimate for 10 years of funding available for use in the Corpus Christi MPO area, by year, is shown on the next page.

	Category 10 CR ¹	Category 2	Category 4	Category 7	Category 9	
Agency Lead*	MPO	MPO	TxDOT	MPO	MPO	
Coordinated Agency	TxDOT	TxDOT	MPO	TxDOT	TxDOT	Subtotal
10-Years	\$15,917,085	\$144,813,899	\$97,717,479	\$111,422,709	\$12,919,830	\$382,791,001
2024	\$3,900,223	\$22,275,059	\$13,114,190	\$11,072,350	\$1,283,875	\$51,645,697
2025	\$1,352,423	\$26,769,140	\$15,902,984	\$11,293,811	\$1,309,555	\$56,627,913
2026	\$1,379,474	\$14,364,039	\$12,851,275	\$11,519,702	\$1,335,747	\$41,450,237
2027	\$1,326,424	\$14,891,155	\$9,404,458	\$11,076,692	\$1,284,379	\$37,983,108
2028	\$1,326,424	\$15,221,350	\$8,389,263	\$11,076,692	\$1,284,379	\$37,298,108
2029	\$1,326,424	\$10,005,430	\$8,411,430	\$11,076,692	\$1,284,379	\$32,104,355
2030	\$1,326,424	\$11,878,750	\$8,214,100	\$11,076,692	\$1,284,379	\$33,780,345
2031	\$1,326,424	\$10,828,889	\$7,671,313	\$11,076,692	\$1,284,379	\$32,187,697
2032	\$1,326,424	\$9,125,769	\$6,783,253	\$11,076,692	\$1,284,379	\$29,596,517
2033	\$1,326,424	\$9,454,317	\$6,975,212	\$11,076,692	\$1,284,379	\$30,117,024
<p><i>*Per TxDOT's 2024 Unified Transportation Program and Corresponding TIP/STIP Years of 2023-2026</i></p> <p>1 Note: <i>The Category 10 CR is new for the Corpus Christi MPO.</i> The purpose of the Carbon Reduction Program (CRP) is to reduce transportation emissions through the development of State carbon reduction strategies and by funding projects designed to reduce transportation emissions (See 23 U.S.C. 175 as established by the Infrastructure Investment and Jobs Act (IIJA) (Public Law 117-58, also known as the "Bipartisan Infrastructure Law" (BIL)) (BIL § 11403).</p>						

Final funding targets/estimates based on TxDOT 2024 UTP are included in the table above. Included in the table above is the new Category of CAT 10 CR for the Carbon Reduction Program. This is anew Federal program that allocates the federal funds to the Corpus Christi MPO. There were additional carryover funds from prior years for some of the funding Categories (CATs).

These estimates will be shown as part of the available funds in the Financial Plan for the Amended FY 2023-2026 TIP so that projects can be selected using all anticipated funding. For the 2024 UTP, these current funding levels are from the Texas Transportation Commission August 2023 approval.

Recommendation

None. Information only. The Texas Transportation Commission approved the final 2024 UTP including our regional list of projects on August 16, 2023.

Proposed Motion

None. Information only item.

Attachment

1. TxDOT-CRP District 2024 UTP Final Project Lists and Map

TxDOT-CRP District 2024 UTP Candidate Project List

CSJ	COUNTY	HWY	PROJECT DESCRIPTION	AUTHORIZED IN THE 2023 UTP			UPDATED CONSTRUCTION ESTIMATE	% Increase	FUNDING GAP IN TODAY'S DOLLARS	2024 UTP CANDIDATES REQUESTED AMOUNTS					COMMENTS <i>(from 11/17/22)</i>
				EST LET DATE RANGE	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	FUNDING APPROVED & AUTHORIZED IN THE 2023 UTP				PROPOSED EST LET DATE RANGE	FUNDING CATEGORY REQUESTED	TOTAL REQUESTED CONSTRUCTION FUNDING	INCLUDING INFATION	DRAFT UTP AUTHORIZED CONSTRUCTION FUNDING	
1209-01-030	San Patricio	FM 893	UPGRADE TO 5-LANE URBAN ROADWAY BY CONSTRUCTING ADDTNL 2 LANES AND CLTL	FY 2023-2026	CAT 2M	\$7,904,000	\$12,500,000	58%	\$4,596,000	FY 2024-2027	CAT 2 METRO	\$12,500,000	\$12,500,000	\$12,500,000	Updated to current bid prices. High cost for storm sewer and drainage items.
0617-01-177	Nueces	SH 358	RAMP REVERSAL PHASE II-B	FY 2023-2026	CAT 2M	\$39,960,000	\$55,000,000	38%	\$15,040,000	FY 2024-2027	CAT 2 METRO	\$50,000,000	\$50,000,000	\$50,000,000	Updated to current bid prices. Higher cost for retaining walls and confined construction space.
											CAT 4 URBAN	\$5,000,000	\$5,000,000	\$6,000,000	
0326-01-056	Nueces	SH 286	CONSTRUCT PHASE I FREEWAY EXTENSION BY UPGRADING EXISTING 2- LN RDWY TO 4-LN DIVIDED HIGHWAY	FY 2023-2026	CAT 2M	\$52,000,000	\$58,000,000	12%	\$6,000,000	FY 2024-2027	CAT 2 METRO	\$58,000,000	\$58,000,000	\$60,000,000	Updated to current bid prices.
0989-02-057	Nueces	FM 624	Construct additional two travel lanes to upgrade existing four lane rural roadway to an urban six lane boulevard with raised median.	FY 2023-2026	CAT 2M	\$9,280,000	\$27,500,000	29%	\$6,220,000	FY 2024-2027	CAT 2 METRO	\$9,500,000	\$10,600,000	\$11,640,000	Updated to current bid prices.
					CAT 4U	\$10,000,000					CAT 4 URBAN	\$16,000,000	\$16,000,000	\$16,000,000	
					CAT 7	\$2,000,000					CAT 7	\$2,000,000	\$2,000,000	\$2,000,000	
0180-06-118	San Patricio	SH 35	UPGRADE/ADD Elevated SPUI	FY 2027-2032	CAT 4U	\$29,680,000	\$32,000,000	8%	\$2,320,000	FY 2024-2027	CAT 4 URBAN	\$32,000,000	\$35,840,000	\$36,400,000	Updated to current bid prices. High level of risk on accuracy of estimate until completion of the schematic/environmental process.
0180-10-082	San Patricio	SH 361	UPGRADE/ADD Elevated SPUI	FY 2027-2032	CAT 2M	\$44,800,000	\$52,000,000	16%	\$7,200,000		CAT 2 METRO	\$52,000,000	\$58,240,000	\$46,862,407	
											CAT 4 URBAN	\$0	\$0	\$12,497,593	
0180-11-016	San Patricio	SP 202	UPGRADE/ADD Elevated SPUI	FY 2027-2032		\$0	\$15,000,000	New	\$15,000,000		CAT 2 METRO	\$15,000,000	\$16,800,000	\$16,800,000	
0326-03-103	Nueces	SH 286	Construct 1 additional travel lane northbound.	FY 2027-2032	CAT 2M	\$24,000,000	\$30,000,000	7%	\$2,000,000	FY 2024-2027	CAT 2 METRO	\$25,000,000	\$28,000,000	\$28,000,000	Updated to current bid prices and future inflation.
					CAT 4U	\$4,000,000					CAT 4 URBAN	\$5,000,000	\$5,600,000	\$5,600,000	
0617-02-073	Nueces	PR 22	CORRIDOR UPGRADE FOR PEDESTRIAN AND ACCESS _MANAGEMENT IMPROVEMENTS WITHOUT ADDING CAPACITY	FY 2027-2032	CAT 2M	\$17,920,000	\$16,000,000	0%	-	FY 2028-2033	CAT 2 METRO			\$15,920,000	
											TBD			\$2,000,000	

Cat 2M 2024 UTP SUMMARY	
Draft 2024 UTP Cat 2M Allocation	\$144,813,899
Projected Carryover (FY 2023)	\$96,908,508
Total Adjusted Allocation	\$241,722,407
Draft Cat 2M Total Authorized Construction Funding	\$241,722,407
Remaining Balance	\$0

Cat 4U 2024 UTP SUMMARY	
Draft 2024 UTP Cat 4U Allocation	\$97,717,479
Projected Carryover (FY 2023)	-\$772,710
Total Adjusted Allocation	\$96,944,769
Draft Cat 4U Total Authorized Construction Funding	\$76,497,593
Remaining Balance	\$20,447,176

CORPUS CHRISTI DISTRICT

2024 UTP



DISTRICT HIGHLIGHTS AND PRIORITIES

The Corpus Christi District's planning reflects a big-picture perspective focused on statewide and regional mobility, as well as safety and maintenance of transportation facilities. The designation of US 77, US 281, and US 59 as future interstate highway corridors uniquely positions the district to plan and develop these corridors to add new interstate lane mileage to the transportation system. Improvements to both US 77 and US 281, including new overpasses, frontage roads, and several relief routes, are preparing these roadways to become I-69E and I-69C, respectively. Category 4 funding allows the district to continue work

on these nationally significant projects, and funding levels demonstrate ambitious planning for the next decade.

Our Port Aransas Ferry is a unique part of TxDOT's transportation system. As energy-related ship traffic and coastal tourism surge, the district is committing \$60 million of Category 10 Ferry Program funding to upgrade infrastructure at the ferry landings.

Staff also routinely requests statewide Category 6 and Category 8 funds to address various bridge and safety needs throughout the district.

REGIONAL PLANNING RESOURCES

ONLINE:

Corpus Christi TxDOT District [page](#)

Make sure to visit TxDOT's [Project Tracker website](#) to view up-to-date information on transportation projects.

MPO:

[Corpus Christi Metropolitan Planning Organization](#)

CONTACT:

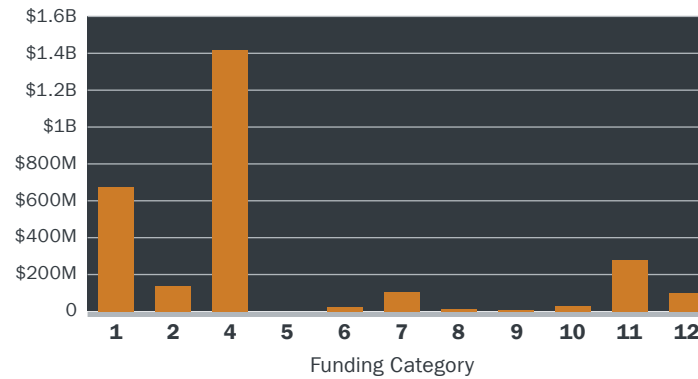
rickey.dailey@txdot.gov

1701 S. Padre Island Drive
Corpus Christi, TX 78416
(361) 808-2544

[@TxDOT_CRP](#)



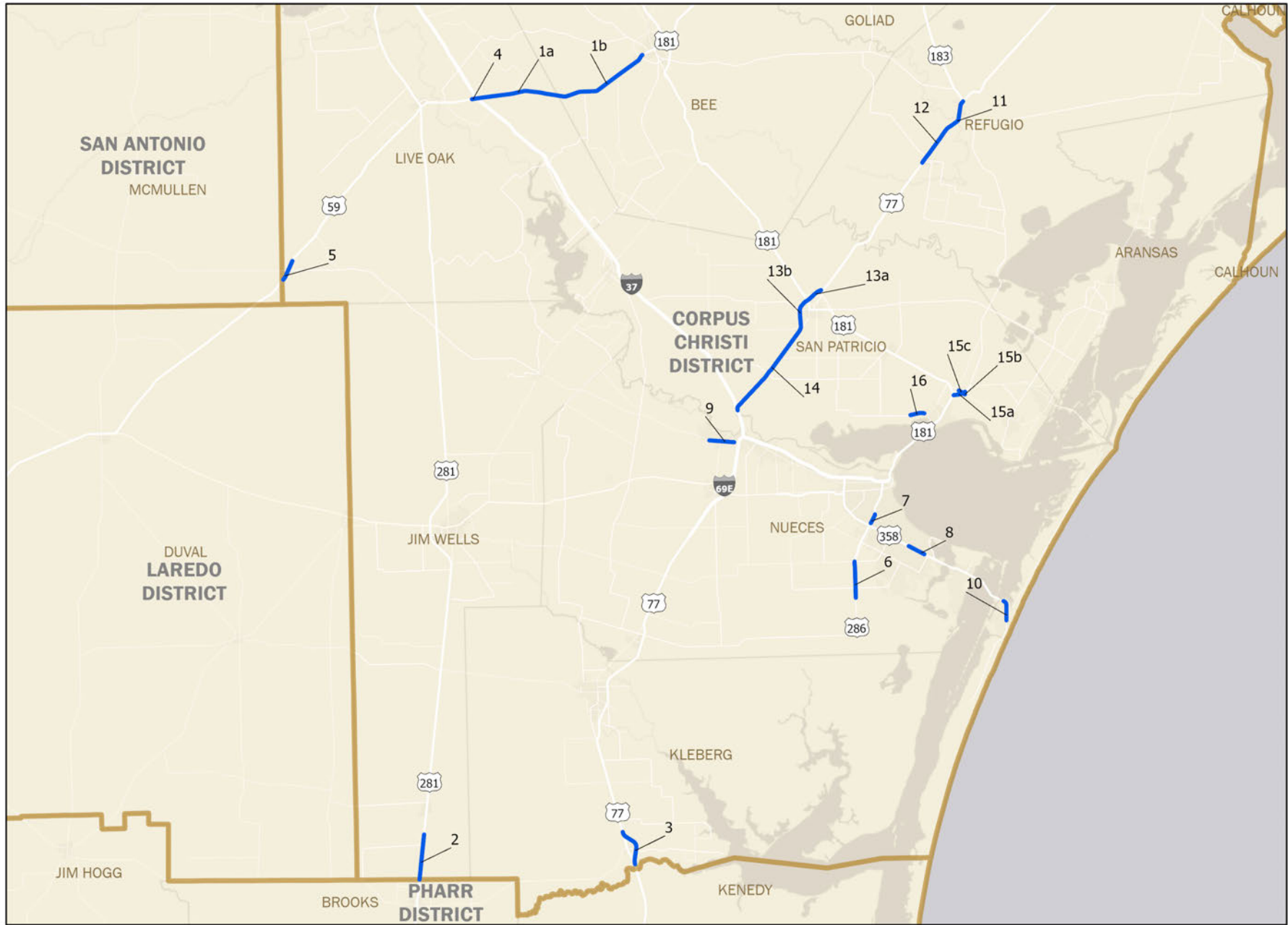
CORPUS CHRISTI DISTRICT 10-YEAR PLANNING TARGETS BY CATEGORY



TXDOT FUNDING CATEGORIES:

- | | |
|--|--|
| 1 Preventive Maintenance & Rehabilitation | 7 Metropolitan Mobility & Rehabilitation |
| 2 Metropolitan & Urban Area Corridor Projects | 8 Safety |
| 3 Non-Traditionally Funded Transportation Projects | 9 Transportation Alternatives Program |
| 4 Statewide Connectivity Corridor Projects | 10 Supplemental Transportation Projects |
| 5 Congestion Mitigation & Air Quality Improvement | 11 District Discretionary |
| 6 Structures Replacement & Rehabilitation | 12 Strategic Priority |

CORPUS CHRISTI DISTRICT **Listed Projects**



— UTP Listed Projects 2024

CORPUS CHRISTI DISTRICT **Listed Projects**

MULTI-COUNTY PROJECTS

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
1a	US 59	Widen Non-Freeway - IH 37 to Beeville (Live Oak County) 0447-01-046	Bee County Line	IH 37	FY 2028-2033	\$70,560,000	No Funding Change	No	Cat. 4 Rural..... \$70,560,000 TOTAL..... \$70,560,000	1
1b	US 59	Widen Non-Freeway - IH 37 to Beeville (Bee County) 0447-02-038	Live Oak County Line	0.3 Miles East of FM 351	FY 2028-2033	\$89,600,000	New Authorization	No	Cat. 4 Rural..... \$89,600,000 TOTAL..... \$89,600,000	1

JIM WELLS COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
2	US 281	Upgrade to Freeway - Premont to Falfurrias 0255-02-055	1 Mile North of FM 1538	Brooks County Line	FY 2028-2033	\$100,800,000	Funding Adjustment	No	Cat. 4 Rural..... \$100,800,000 TOTAL..... \$100,800,000 Cat. 4R increased \$33M	1

KLEBERG COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
3	US 77	Riviera Relief Route 0327-09-002	1.5 Miles N. of SH 285 Intersection	Kenedy/Kleberg County Line	FY 2024-2027	\$177,688,000	Funding Adjustment	No	Cat. 4 Rural..... \$177,688,000 TOTAL..... \$177,688,000 Cat. 4R increased \$50M	1

LIVE OAK COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
4	US 59	Interchange - Live Oak County at IH 37 0447-01-051	1.0 Miles West of IH 37	1.0 Miles East of IH 37	FY 2028-2033	\$145,600,000	New Authorization	No	Cat. 4 Rural..... \$145,600,000 TOTAL..... \$145,600,000	1
5	US 59	Interchange at FM 624 at FM 624 0542-06-051	At FM 624		FY 2028-2033	\$28,000,000	No Funding Change	No	Cat. 4 Rural..... \$28,000,000 TOTAL..... \$28,000,000	1

NUECES COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
6	SH 286	Upgrade to Freeway (Crosstown Extension) - Corpus Christi 0326-01-056	FM 43	South of FM 2444	FY 2024-2027	\$60,000,000	Funding Adjustment	No	Cat. 2 Metro/Urban Corridor..... \$60,000,000 TOTAL..... \$60,000,000 Cat. 2 increased \$8M	1
7	SH 286	Widen Freeway - Corpus Christi 0326-03-103	SH 358	Horne Rd.	FY 2024-2027	\$33,600,000	Funding Adjustment	No	Cat. 2 Metro/Urban Corridor..... \$28,000,000 Cat. 4 Urban..... \$5,600,000 TOTAL..... \$33,600,000 Cat. 2 increased \$4M and Cat. 4U increased \$1.6M	1
8	SH 358	Freeway Ramps - Corpus Christi 0617-01-177	Nile Drive	Staples Street	FY 2024-2027	\$56,000,000	Funding Adjustment	No	Cat. 2 Metro/Urban Corridor..... \$50,000,000 Cat. 4 Urban..... \$6,000,000 TOTAL..... \$56,000,000 Cat. 2 increased \$10M and Cat. 4U added \$6M	1

The Commission may approve additional funding for projects up to 25% in Categories 2, 4, and 12. For more information, see [pg. 43](#).

CORPUS CHRISTI DISTRICT **Listed Projects**

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
9	FM 624	Widen Non-Freeway - Corpus Christi 0989-02-057	CR 73	Wildcat Dr.	FY 2024-2027	\$29,640,000	Funding Adjustment	No	Cat. 2 Metro/Urban Corridor \$11,640,000 Cat. 4 Urban \$16,000,000 Cat. 7 \$2,000,000 TOTAL \$29,640,000 Cat. 2 increased \$2.3M and Cat. 4U increased \$6M	1
10	PR 22	Safety & Operational Improvements - Corpus Christi 0617-02-073	Aquarius St.	Whitecap Blvd.	FY 2028-2033	\$17,920,000	No Funding Change	No	Cat. 2 Metro/Urban Corridor \$15,920,000 Remaining funding TBD \$2,000,000 TOTAL \$17,920,000	2

REFUGIO COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
11	US 77	Refugio Relief Route 0371-03-090	North of Refugio	South of Refugio (Relief Route)	FY 2028-2033	\$358,400,000	No Funding Change	No	Cat. 4 Rural \$358,400,000 TOTAL \$358,400,000	1
12	US 77	Upgrade to Freeway - Woodsboro 0371-03-130	South of Refugio RR	South of Woodsboro	FY 2028-2033	\$105,280,000	Funding Adjustment	No	Cat. 12 Strategic Priority \$105,280,000 TOTAL \$105,280,000 Cat. 12 added \$105M	1

SAN PATRICIO COUNTY

MAP ID	HIGHWAY	PROJECT NAME/PROJECT ID (CSJ NUMBER)	FROM	TO	ESTIMATED LET DATE RANGE	CONSTRUCTION COST ESTIMATE	UTP ACTION	TOLL	AUTHORIZED CONSTRUCTION FUNDING BY CATEGORY	TIER
13a	US 77	Upgrade to Freeway - Sinton Relief Route 0371-04-062	Chiltipin Creek Br (Control Break)	Business North (Sinton)	FY 2024-2027	\$31,360,000	No Funding Change	No	Cat. 4 Rural \$31,360,000 TOTAL \$31,360,000	1
13b	US 77	Upgrade to Freeway - Sinton Relief Route 0372-01-101	Business South (Sinton)	Chiltipin Creek Br (Control Break)	FY 2024-2027	\$91,840,000	No Funding Change	No	Cat. 4 Rural \$91,840,000 TOTAL \$91,840,000	1
14	US 77	Upgrade to Freeway - IH 37 to Sinton 0372-01-106	IH 37 And Interchange	FM 1945 (South of Sinton)	FY 2028-2033	\$593,600,000	Funding Adjustment	No	Cat. 4 Rural \$225,124,191 Remaining funding TBD \$368,475,809 TOTAL \$593,600,000 Cat. 4R increased \$200M	1
15a	SH 35	SH 35 Interchange at SH 361 - Gregory 0180-06-118	FM 3284	0.23 Miles North of SH 361	FY 2024-2027	\$36,400,000	Funding Adjustment	No	Cat. 4 Urban \$36,400,000 TOTAL \$36,400,000 Cat. 4U increased \$6.7M	1
15b	SH 361	SH 35 Interchange at SH 361 - Gregory 0180-10-082	At SH35 Interchange	0.15 Miles SE On SH 361	FY 2024-2027	\$59,360,000	Funding Adjustment	No	Cat. 2 Metro/Urban Corridor \$46,862,407 Cat. 4 Urban \$12,497,593 TOTAL \$59,360,000 Cat. 2 increased \$2M and Cat. 4U added \$12.4M	1
15C	SS 202	Interchange - Gregory 0180-11-016	Ave H in Gregory	SH 35 Northbound Frontage Rd	FY 2024-2027	\$16,800,000	New Authorization	No	Cat. 2 Metro/Urban Corridor \$16,800,000 TOTAL \$16,800,000	1
16	FM 893	Widen Non-Freeway - Portland 1209-01-030	CR 3685 (Stark Rd)	0.2 Miles West of CR 79 (Gum Hollow)	FY 2024-2027	\$13,000,000	Funding Adjustment	No	Cat. 1 \$500,000 Cat. 2 Metro/Urban Corridor \$12,500,000 TOTAL \$13,000,000 Cat. 2 increased \$4.5M	3

The Commission may approve additional funding for projects up to 25% in Categories 2, 4, and 12. For more information, see [pg. 43](#).



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Craig Casper, Senior Transportation Planner
Through: Robert MacDonald, Transportation Planning Director
Subject: Item 5D: 2020 Corpus Christi MPO Adjusted Urban Area Update
Action: Review and Discuss Issues and Opportunities

Summary

As mentioned in the February 2023 memo, the Census Bureau released the map of Census Urban Areas on January 12th 2023. Attachment 1 depicts the new Census Designated Corpus Christi Census Urban Area, along with both the Robstown Census Urban Area and the Aransas Pass--Port Aransas--Ingleside Census Urban Area. Attachment 2 depicts the DRAFT Adjusted (smoothed) Urban Area that TxDOT has proposed. We have until October 2023 to propose changes to the DRAFT Adjusted Urban Area using the 9 factors listed in FHWA's *Highway Functional Classification Criteria and Procedures, Section 6. Urban Boundaries*. There are two requirements of the Adjusted Urban Area: first it must expand, not contract, the Census Designated Urban Area. Second, it must be approved by the Texas Division of the Federal Highway Administration. ***Please note that both the Census Urban Area and the Adjusted Urban Area are different from the Metropolitan Planning Area boundary, which will be updated to incorporate the Adjusted Urban Area and the area that the Small Area Forecast shows is Urbanizing Area at a later date.***

Background

Participants in the process are TxDOT, the Corpus Christi MPO team, local governments, and the Corpus Christi Regional Transit Agency. If TxDOT is unable to gain consensus on the Adjusted Urban Area boundaries, the 2020 Census Urban Area boundary will take effect.

When adjusting the urban area boundary participants should use the following 9 factors from FHWA's *Highway Functional Classification Criteria and Procedures, Section 6. Urban Boundaries*:

- a. The adjusted urban area boundary will be one, single contiguous area.
- b. The adjusted urban area boundary should include terminals (e.g. airports, seaports) and their access roads, if such terminals lie within a reasonable distance of the urban area.
- c. The adjusted urban area boundary is adjusted to encompass all large traffic generators that are within a reasonable distance from the urban area (e.g., fringe area public parks, large places of assembly, large industrial plants, etc.).
- d. The adjusted urban area boundary should consider transit service routes (e.g., bus route, passenger rail line) in the placement of a boundary location.
- e. The adjusted urban area boundary should be defined so that its physical location is easy to discern in the field. Whenever possible it should follow physical features (e.g., rivers, streams, irrigation canals, transmission lines, railroads, streets or highways).

- f. All ramps and interchanges should be either included or excluded from the adjusted urban area boundary and interchanges should not be divided by the boundary.
- g. For coastal areas, the generally accepted coastal boundaries most commonly used for spatial analysis or map-making should be used.
- h. It is important to recognize that the adjusted urban area boundary is a significant factor in developing the functional classification of a road in an urban/rural context.
- i. The adjusted urban area boundary should be designed to eliminate or minimize a roadway's snaking in and out of the boundary. In these cases, as the boundary is adjusted, it needs to be clearly defined that the road is either in or out.

The following definitions are provided for the discussion:

Census Urban Area: The area defined by the Census as Urban based on density of residential units.

Adjusted Urban Area: The area smoothed by local entities and TxDOT to create a single, contiguous boundary. It is approved by FHWA and is based on the 9 factors and must include all of the Census Urban Area.

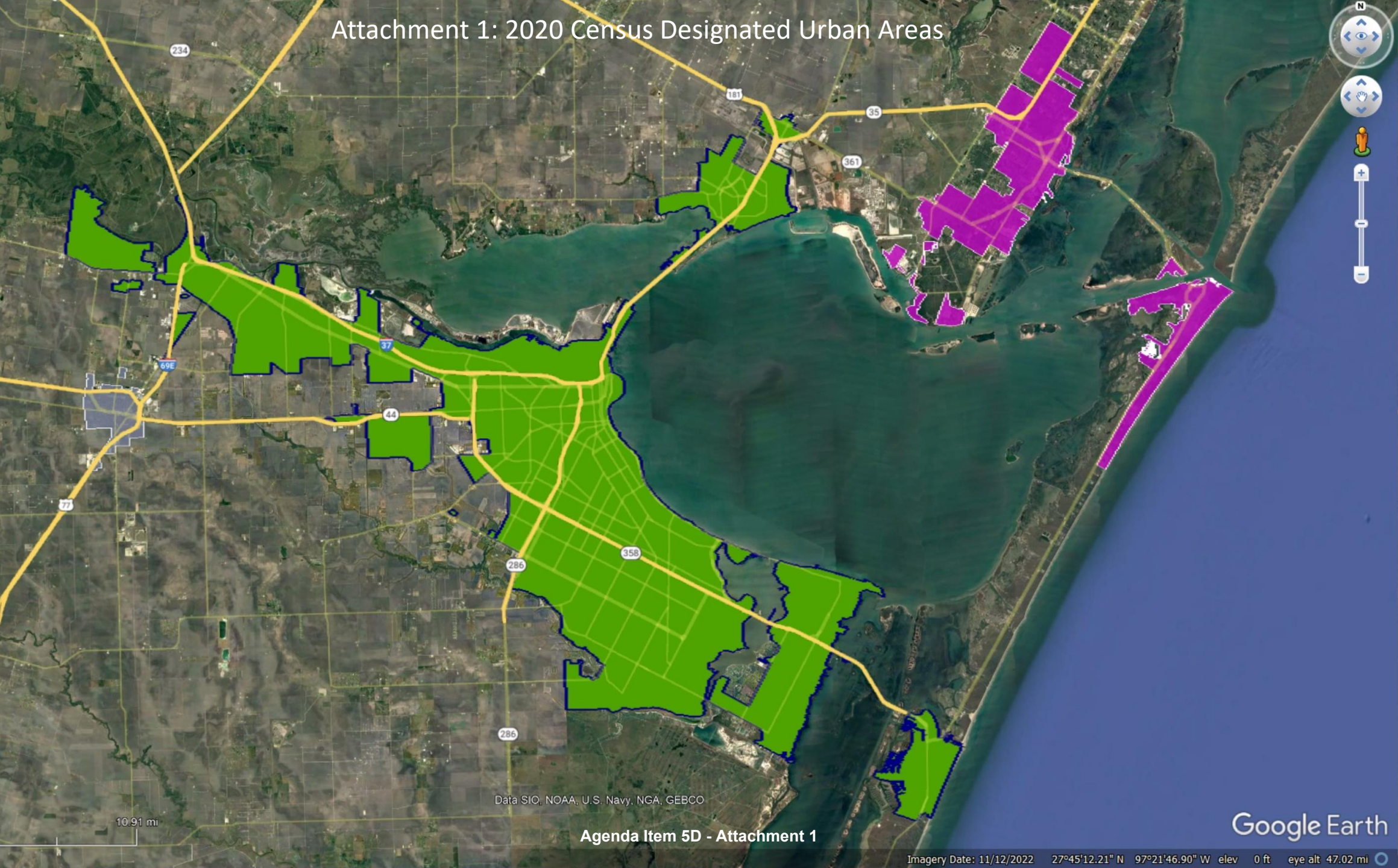
Urbanizing Area: The area that is currently rural according to the Census, but the Corpus Christi TPC adopted Small Area Forecast says will reach urban density. This often overlaps with the areas that are added during the Adjusted Urban Area process.

Metropolitan Planning Boundary: The area that the Transportation Policy Committee is responsible for conducting the 3C Planning Process for. This must be approved by the Governor.

Attachments:

1. Map of the 2020 Designated Urban Areas
2. Map of the DRAFT TxDOT proposed 2020 Adjusted Urban Areas

Attachment 1: 2020 Census Designated Urban Areas



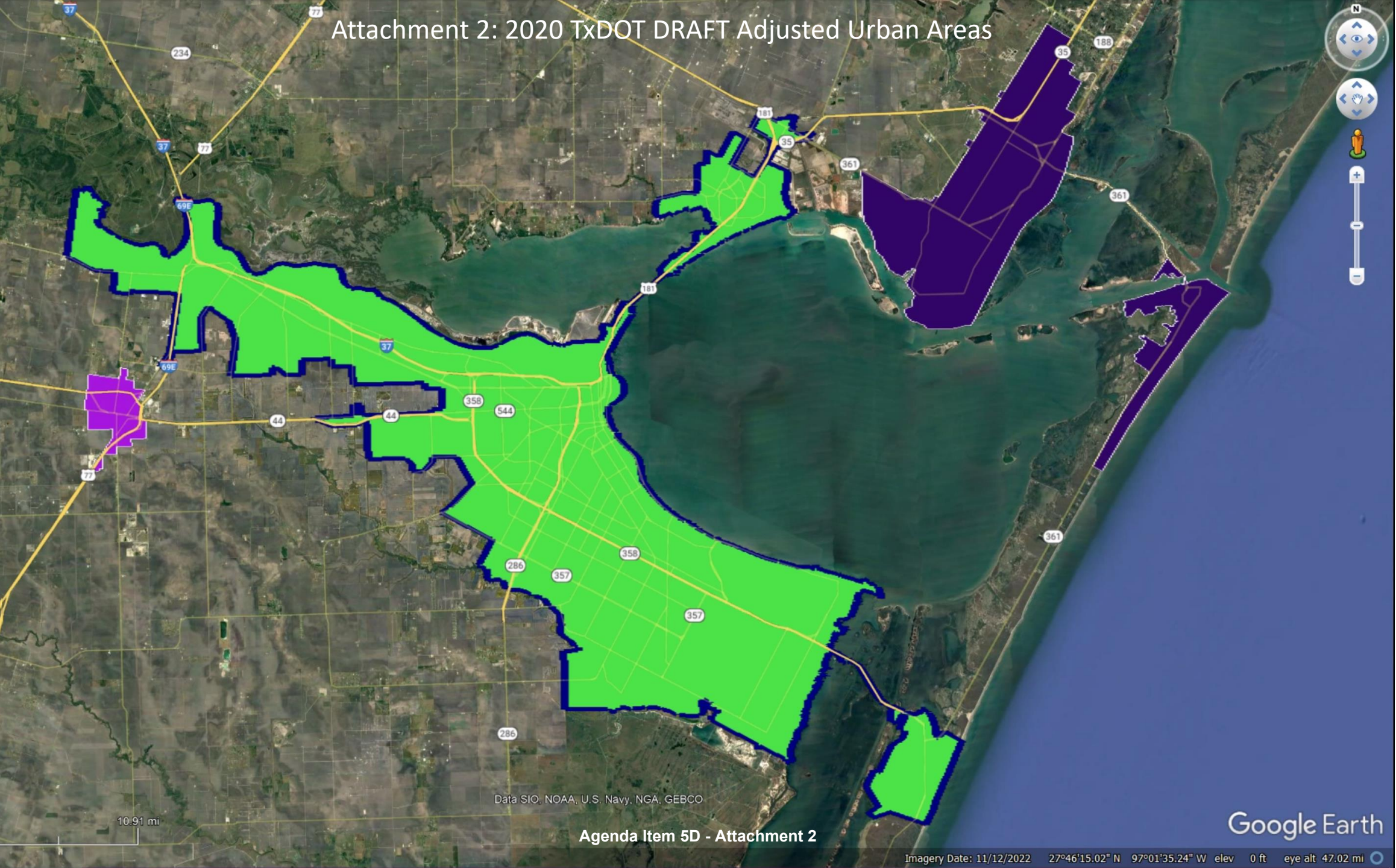
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Agenda Item 5D - Attachment 1

Google Earth

Imagery Date: 11/12/2022 27°45'12.21" N 97°21'46.90" W elev 0 ft eye alt 47.02 mi

Attachment 2: 2020 TxDOT DRAFT Adjusted Urban Areas



Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Agenda Item 5D - Attachment 2

Google Earth

Imagery Date: 11/12/2022 27°46'15.02" N 97°01'35.24" W elev 0 ft eye alt 47.02 mi



REGIONAL TRAFFIC SAFETY TASK FORCE MEETING

WEDNESDAY, JULY 12, 2023 – 10:00 A.M.

**Location: TxDOT Corpus Christi District Office Training Center Bldg. No. 2
1701 S. Padre Island Drive (S.P.I.D), Corpus Christi, Texas 78416**

1. WELCOME AND INTRODUCTIONS

2. SAFETY INITIATIVES

A. TxDOT Wrong-way Driver Coalition/Task Force

- i. Update on Harbor Bridge Wrong-way drivers enforcement and road reconfigurations.
- ii. Status of sharing and use of the law enforcement database.
- iii. Future action items

B. TxDOT Statewide Safety Planning Report

- i. Link to 6/26/23 Texas Transportation Commission video on TxDOT Safety Planning Report 
- ii. DRAFT Corpus Christi Metropolitan Planning Organization 2023 Safety Planning Report 

C. Corpus Christi MPO's Regional Safety Action Plan (RSAP) Update

- i. Consultant Update of Process
- ii. Crash Diagnosis of 3 Locations

3. LOCAL SAFETY INITIATIVES

- A. City of Corpus Christi, Nueces County, Law Enforcement or ISDs report of safety activities.



4. OPEN DISCUSSION AND COMMENTS

- A. Comments from Members

5. NEXT MEETINGS:

- A. Regional Traffic Safety Task Force regular meeting: September 13, 2023

6. ADJOURN

 - Indicates attachment(s) for the agenda item.  - Indicates a weblink for agenda item



Date: September 1, 2023
To: Transportation Policy Committee (TPC)
From: Craig Casper, Senior Transportation Planner
Through: Robert MacDonald, Transportation Planning Director
Subject: Item 5F: Corpus Christi MPO Regional Coordination Group for Federal Transportation Grants Update
Action: Review and Discuss Grant Proposals and Coordination

Summary

The Corpus Christi MPO staff continues to present information to serve as the focus for the Regional Coordination Group, which is the monthly TAC meeting. We also provide monthly updates to the TPC. The TAC members and Corpus Christi MPO staff invited other local agency staff to provide information on transportation project and program grant submittal proposals. We encourage all those to attend the TAC meeting to provide their input to the specific federal transportation grants being proposed and identified for future submittals over the remaining four years of these transportation grants. The Corpus Christi MPO staff will inform the TPC and TAC of available grant opportunities whenever these become available and ask for their comments and directions as part of the regional coordination efforts.

New for this month is the Notices of Funding Opportunity (NOFO) for:

- the **Pilot Program for Transit-Oriented Development (TOD)** that was issued on August 7, 2023 and
- the **Strengthening Mobility and Revolutionizing Transportation (SMART)** that was issued on August 8, 2023.

These NOFOs are provided as Attachments 2 and 3. The deadline for both the **TOD** and **SMART** grants is October 10, 2023. The most recent **Corpus Christi MPO FY 2023 Competitive Grant Summary Table** is provided as Attachment 1.

Federal Grant Results

The most recent awards of federal funds were through Federal Transit Administration's **Emergency Relief Program** Funding and Federal Highway Administration's **Accelerated Innovation Deployment (AID) Program**. The Corpus Christi Regional Transportation Authority was awarded \$11,744 for the **Emergency Relief Program** (see Attachment 4) and the Texas Department of Transportation was awarded \$1,000,000 for the **Accelerated Innovation Deployment (AID) Program** (see Attachment 5).

Members and Discussion Topics

The TAC members represent the Corpus Christi MPO's local governments and agencies and continue to serve as the Regional Coordination Group for Federal Transportation Grants. Other targeted participants would be local government and agency staff members with expertise in the specific transportation grant or in coordination activities between local entities. Additional staff from private sector partners, industry, and non-profit organizations involved in transportation projects and program development may also be invited for specific grant discussions.

Attachments

1. Corpus Christi MPO FY 2023 Competitive Grant Summary Table
2. Notice of Funding Opportunity for the **Pilot Program for Transit-Oriented Development (TOD)**
3. Notice of Funding Opportunity for the **Strengthening Mobility and Revolutionizing Transportation (SMART)**
4. FTA **Emergency Relief Program** Funding: 2023 Selected Projects - CCRTA
5. Biden-Harris Administration Grants to **Accelerate Innovation in Highway Projects** – TxDOT

Corpus Christi MPO FY 2023 Competitive Grant Summary Table

<https://www.transportation.gov/bipartisan-infrastructure-law/key-notices-funding-opportunity>

Program	Description	Eligible Entity	2023 Deadline
Transportation Safety, Equity, Resilience & Other			
<u>Rebuilding American Infrastructure with Sustainability and Equity (RAISE)</u>	Provides grants for surface transportation infrastructure projects that will have a significant local or regional impact (aka Local and Regional Project Assistance).	State, MPO, Local Government	2/28/2023
<u>Nationally Significant Multimodal Freight and Highway Projects (INFRA)</u>	Provides grants for multimodal freight and highway projects of national or regional significance.	State, MPO, Local Government, FLMA	8/21/2023
<u>National Infrastructure Project Assistance (Mega)</u>	Supports large, complex projects that are difficult to fund by other means and likely to generate national/regional economic, mobility, or safety benefits.	State, MPO, Local Government, Political Subdivision	8/21/2023
<u>Bridge Investment Program</u>	Provides grants for projects to improve the condition of bridges and culverts and the safety, efficiency, and reliability of the movement of people and freight over bridges.	State, MPO, Local Government, FLMA	Summer 2023 (TBA)
Natural Gas Distribution Infrastructure Safety and Modernization Program	Repair, rehabilitate, or replace the natural gas distribution pipeline systems	Local Governments or Community Owned Utility	7/24/2023
<u>Safe Streets and Roads for All</u>	Provides grants to support local initiatives to prevent transportation-related death and serious injury on roads and streets (commonly referred to as “Vision Zero” or “Toward Zero Deaths” initiatives).	MPO, Local Government	7/10/2023
Thriving Communities	Ensure disadvantaged communities adversely and/or disproportionately affected by environmental, climate, and human health policy outcomes have the technical tools and organizational capacity to comprehensively plan for and deliver quality infrastructure projects and community development projects.	State, Local, MPO, Transit	TBA

Corpus Christi MPO FY 2023 Competitive Grant Summary Table

Program	Description	Eligible Entity	2023 Deadline
<u>Reconnecting Communities and Neighborhoods (RCN) Program Capital Construction</u>	Provides grants for projects focused on reducing environmental harm and improving access in disadvantaged communities.	State, MPO, Local Government	9/28/2023
<u>Reconnecting Communities and Neighborhoods Pilot (RCN) Program Community Planning</u>	Provides grants for planning activities to support future construction projects and allow for innovative community planning to address localized transportation challenges.	State, MPO, Local Government	9/28/2023
<u>Reconnecting Communities Pilot (RCP) Program Regional Partnerships Challenge</u>	To incentivize stronger partnerships between local governments, MPO, State DOT and non-profit, private, and community partners to tackle persistent equitable access and mobility challenges, as well as greenhouse gas emissions reductions.	State, MPO, Local Government, Private, Non-profit	9/28/2023
<u>Nationally Significant Federal Lands and Tribal Projects (NSFLTP) Program</u>	Provides grants to Tribes and Federal land management agencies to complete projects that will provide substantial benefits to their communities or parklands.	State, Local Governments, Tribes	9/6/2023
Transportation Safety, Equity, Resilience & Other			
<u>Advanced Transportation Technologies and Innovative Mobility Deployment</u>	Provides grants to deploy, install, and operate advanced transportation technologies to improve safety, mobility, efficiency, system performance, intermodal connectivity, and infrastructure return on investment.	State, MPO, Local Government	
<u>Strengthening Mobility and Revolutionizing Transportation (SMART)</u>	Projects utilizing innovative technology to Improve Transportation Efficiently and Safety	State, MPO, Local Government, Public Transit	10/10/2023
Accelerated Innovation Deployment (AID) Demonstration Program	Provides grants to support the pilot/demonstration of innovations on projects, in areas such as planning, financing, operations, pavements, structures, materials, environment, and construction.	State, FLMA, *MPO & Local Government through State	

Corpus Christi MPO FY 2023 Competitive Grant Summary Table

Program	Description	Eligible Entity	2023 Deadline
<u>Charging and Fueling Infrastructure Grants Program (Community Charging)</u>	Provides grants for projects to develop electric vehicle charging and hydrogen, propane, and natural gas fueling infrastructure access along alternative fuel corridors throughout the country, including in rural areas, low- and moderate-income neighborhoods, and communities with a low ratio of private parking spaces to households or a high ratio of multiunit dwellings to single family homes.	State, MPO, Local Government, FLMA	6/13/2023
Charging and Fueling Infrastructure Grants Program (Corridor Charging)	Deploys publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure along designated Alternative Fuel Corridors.	State, MPO, Local Government, FLMA	6/13/2023
<u>Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT) Discretionary Grants</u>	Provides grants for activities that enable communities to address vulnerabilities to current and future weather events, natural disasters, and changing conditions, including sea level rise, and plan transportation improvements and emergency response strategies to address those vulnerabilities.	State, MPO, Local Government, *FLMA with State	8/18/2023
Transit & Intercity Rail			
<u>Transit-Oriented Development Planning</u>	Integrating land use and transportation Planning in new fixed guideway and core capacity transit project corridors	FTA Grantees	10/10/2023
Railroad Crossing Elimination Program	Railway Grade Separation		Summer 2023 (TBA)
<u>Areas of Persistent Poverty Program</u>	Increase transit access for the underserved communities	Recipients and subrecipients 5307, 5310, and 5311	3/10/2023
<u>FEMA Transit Security Grant</u>	Promote sustainable, risk-based efforts to protect critical transportation infrastructure and the traveling public	Public transit based on the ridership, transit systems	5/18/2023
<u>Low/No Emission Bus Program</u>	Support the transition to the clean and efficient transit vehicles	Public Transit	4/13/2023
Capital Investment Grants (CIG)	Fixed guideway investments, rapid rail, commuter rail, light rail, streetcars, bus rapid transit, ferries	State and Local Government	

Corpus Christi MPO FY 2023 Competitive Grant Summary Table

Program	Description	Eligible Entity	2023 Deadline
<u>Bus and Bus Facilities Competitive Grants</u>	Bus and Bus Facility Procurements	Public Transit	4/13/2023
Port & Freight			
<u>Port Infrastructure Development</u>	Port Safety, Reliability, Efficiency		4/28/2023
<u>America's Marine Highway Program</u>	Marine Highway development and expansion		4/28/2023
<u>Reduction of Truck Emissions at Port Facilities</u>	Port Emissions Reduction		7/26/2023
Climate, Energy, & Environment			
Building Resilient Infrastructure and Communities Program	Hazard mitigation projects		
Flood Mitigation Assistance	Reduce/Eliminate the risk of repetitive flood damage to buildings insured by the national flood insurance program		
Regional Clean Hydrogen Hubs	Development of minimum 4 regional clean hydrogen hubs to improve hydrogen production, processing, delivery, storage, and end use		
Aviation			
Airport Improvement Program Discretionary Grant	Airport Capital Improvements and Rehabilitation Programs		7/14/2023
Airport Terminals Program	Terminal Development Projects that address the aging air infrastructure at large, medium, and small hub airports	State, Local Government, Transit Agency	

Notice of Funding Opportunity for the Pilot Program for Transit-Oriented Development (TOD)

Date Posted: August 8, 2023

Date Closed: October 10, 2023

Opportunity ID: FTA-2023-011-TPE-TODP

Grant Program: [Pilot Program for Transit-Oriented Development Planning – Section 20005\(b\)](#)

Details: 08/08/2023. Notice of Funding Opportunity (NOFO): Solicitation of Project Proposals for the Pilot Program for Transit-Oriented Development (TOD) Planning. The Federal Transit Administration (FTA) announces the availability of \$13,460,978 to support comprehensive or site-specific planning associated with new fixed guideway and core capacity improvement projects. The full announcement is posted on Grants.gov as opportunity FTA-2023-011-TPE-TODP. Proposals must be submitted electronically through the Grants.gov website by **11:59 p.m. Eastern Daylight Time on 10/10/2023.**

Summary: The [Pilot Program for TOD Planning](#) provides funding to communities to integrate land use and transportation planning in new fixed guideway and core capacity transit project corridors. As required by statute, any comprehensive or site-specific planning funded through the pilot program must examine ways to improve economic development and ridership potential, foster multimodal connectivity and accessibility, improve transit access for pedestrian and bicycle traffic, engage the private sector, identify infrastructure needs, and enable mixed-use development near transit stations. The statute also requires that the planning work be associated with a new fixed guideway or core capacity transit project as defined in federal transit statute (49 USC 5309(a); also see the NOFO for specific definitions).

Consistent with statutory direction, FTA is seeking comprehensive or site-specific planning projects for a transit capital project corridor. To ensure that planning work reflects the needs and aspirations of the local community and results in concrete, specific deliverables and outcomes, FTA requires that transit project sponsors partner with entities with land use planning authority in the project corridor.

Eligible Applicants: Applicants and eventual grant recipients under this program must be FTA grantees as of the publication date of the NOFO. A proposer must either be the project sponsor of an eligible transit capital project as defined above or an entity with land use planning authority in an eligible transit capital project corridor. Evidence of a partnership between these two types of entities will be required unless the applicant has both responsibilities. Please refer to the NOFO for additional details.

Only one application per transit capital project corridor may be submitted to FTA. Multiple applications submitted for a single transit capital project corridor indicates to FTA that partnerships are not in place and FTA will reject all of the applications.

Link and Instructions for attaching the supplemental form to the SF-424: All applicants must complete the Pilot Program for TOD Planning [supplemental form](#) and attach it to their submission in Grants.gov. Applicants should refer to section D of the NOFO for further information on the required application contents.

Webinar: On August 17th, FTA will host a webinar for this funding opportunity. The webinar will provide an overview of the program and describe eligible applicants and projects. Interested parties are encouraged to register for this event [FY23 Pilot Program for TOD Planning NOFO Webinar](#). FTA is committed to providing equal access to this session for all participants. If you need alternative formats, options, or services, please email april.mcleanmccoy@dot.gov

Due Date: Proposals must be submitted electronically by **11:59 p.m. Eastern Daylight Time on 10/10/2023.** Applicants must first register at <https://www.grants.gov/> prior to submitting the application

For Further Information Contact: For more information contact [April McLean-McCoy](#), FTA Office of Planning and Environment at (202) 366-7429.



DOT-SMART-FY23-01
 SMART Grants Notice of Funding
 Department of Transportation
 69A345 Office of the Under Secretary for Policy

Notice of Funding Opportunity for the Strengthening Mobility and Revolutionizing Transportation (SMART)

GENERAL INFORMATION

Document Type:	Grants Notice
Funding Opportunity Number:	DOT-SMART-FY23-01
Funding Opportunity Title:	SMART Grants Notice of Funding
Opportunity Category:	Discretionary
Opportunity Category Explanation:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Transportation
Category Explanation:	
Expected Number of Awards:	30
CFDA Number(s):	20.941 -- Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program
Cost Sharing or Matching Requirement:	No
Version:	Synopsis 2
Posted Date:	Aug 08, 2023
Last Updated Date:	Aug 08, 2023
Original Closing Date for Applications:	Oct 10, 2023
Current Closing Date for Applications:	Oct 10, 2023
Archive Date:	Nov 09, 2023
Estimated Total Program Funding:	
Award Ceiling:	\$2,000,000
Award Floor:	\$250,000

ELIGIBILITY

Eligible Applicants:	Others (see text field entitled "Additional Information on Eligibility" for clarification)
Additional Information on Eligibility:	Eligible applicants for the SMART Grants Program include: a State; a political subdivision of a State; a federally recognized Tribal government; a public transit agency or authority; a public toll authority; a metropolitan planning organization; or a group of two or more eligible entities listed applying through a single lead applicant (Group Application)

ADDITIONAL INFORMATION

Agency Name:	69A345 Office of the Under Secretary for Policy
Description:	<p>The purpose of this notice is to solicit applications for Strengthening Mobility and Revolutionizing Transportation (SMART) Stage 1 Planning and Prototyping grants. Funds for the fiscal year (FY) 2023 SMART Grants Program are to be awarded on a competitive basis to conduct demonstration projects focused on advanced smart city or community technologies and systems to improve transportation efficiency and safety.</p> <p>Applications must be submitted via Valid Eval, an online submission proposal system used by USDOT, at https://usg.valideval.com/teams/USDOT_SMART_2023/signup. USDOT will not accept or review application materials submitted via Grants.gov.</p>
Link to Additional Information:	USDOT SMART Program Website
Grantor Contact Information:	<p>If you have difficulty accessing the full announcement electronically, please contact:</p> <p>Roxanne Ledesma Grantor Phone 202-774-8003</p> <p>email</p>



FTA Emergency Relief Program Funding: 2023 Selected Projects

State/Territory	Recipient	Funding Amount
CA	Los Angeles County Metropolitan Transportation Authority	\$1,200,000
FL	Collier County Board of County Commissioners	\$125,690
FL	Florida Department of Transportation	\$3,983,518
FL	Lee County Transit	\$8,464,227
FL	Sarasota County	\$217,909
KY	Kentucky Transportation Cabinet	\$3,892,200
LA	New Orleans Regional Transit Authority	\$222,081
MO	Bi-State Development Agency of the Missouri-Illinois Metropolitan District	\$27,675,000
NY	New York Metropolitan Transportation Authority (MTA)	\$25,000,000
PR	Hormigueros, Municipality of	\$396,000
PR	Ponce, Municipality of	\$154,937
PR	Puerto Rico Highway and Transportation Authority - Las Marias	\$312,419
PR	Puerto Rico Highway and Transportation Authority - Tren Urbano	\$30,063,000
TX	Capital Metropolitan Transportation Authority	\$300,931
TX	Concho Valley Transit District	\$215,895
TX	Corpus Christi Regional Transportation Authority	\$11,744
TX	North Central Texas Council of Governments	\$90,000

Total Funds: \$102,325,551

Last updated: Monday, July 31, 2023
 U.S. DEPARTMENT OF TRANSPORTATION

Federal Transit Administration
 1200 NEW JERSEY AVENUE, SE
 WASHINGTON, DC 20590
 202-366-4043

Biden-Harris Administration Announces \$8.8 Million in Grants to Accelerate Innovation in Highway Projects as Part of President Biden’s Investing in America Agenda

Tuesday, August 22, 2023

FHWA 29-23

Contact: FHWA.PressOffice@dot.gov

Tel: (202) 366-0660

WASHINGTON – The U.S. Department of Transportation’s (USDOT) Federal Highway Administration (FHWA) today announced \$8.8 million in grants for 10 projects in eight States and the District of Columbia to encourage the use of tools that can improve safety on bridges and in work zones. The grants, which can also be used for other innovative transportation technologies such as ultra-high-performance concrete to digital mapping programs, are provided by FHWA’s Accelerated Innovation Deployment (AID) Demonstration program and complement President Biden’s Investing in America agenda that is rebuilding our nation’s infrastructure and creating a manufacturing and innovation boom.

“Innovation is essential for the future of transportation infrastructure and these grants will help our State, local, and Tribal partners to improve safety, increase the resilience of our transportation infrastructure, and combat the climate crisis,” said **FHWA Administrator Shailen Bhatt**. “The grants, along with additional funding from the President’s Bipartisan Infrastructure Law, will bring more innovations to America’s road, highway, and bridge projects.”

The AID Demonstration Program, with funding provided under the Bipartisan Infrastructure Law, provides incentive grants and other resources to offset the risk of implementing a transportation innovation. The incentive funding, distributed through a competitive discretionary grant process, allows Tribal Governments, State Departments of Transportation (DOTs), Federal land management agencies, and local governments to accelerate the implementation and adoption of innovation in highway transportation and demonstrate state-of-the-art technologies. Metropolitan planning organizations and local governments can also apply in partnership with State DOTs.

The program is housed within FHWA’s Technology and Innovation Deployment Program, supports the dissemination and deployment of proven transportation innovations through any phase of a highway transportation project including project planning and delivery and system operations. The AID grants build on FHWA’s efforts to collaborate with State, local and Tribal governments, as well as Federal land management agencies, to accelerate the use of innovations and reduce project delivery time.

Since the AID program was launched in February 2014, FHWA has awarded more than \$95.7 million for 127 grants to help agencies speed up their use of innovative practices, tools and technologies, including those supported under FHWA’s [Every Day Counts](#) (EDC) program. EDC is a State-based program model that identifies and rapidly deploys proven yet underutilized innovations that will more quickly make the U.S. transportation system adaptable, sustainable, equitable, and safer for all.

The following grants, announced today, were solicited on a rolling basis through a multi-year Notice of Funding Opportunity that closed on September 28, 2021.

Accelerated Innovation Deployment Demonstration Program Grants:

Agency	Amount	Project Description
Arizona Department of Transportation (ADOT)/Maricopa County Department of Transportation	\$970,000	ADOT, in conjunction with Maricopa County, will use its grant for the “Next Generation Freeway and Arterial Work Zones” project that will deploy smart work zone technologies in order to share real-time data from active construction areas that can improve agency monitoring processes, enhance safety for workers, and improve traveler information tools.
District of Columbia Department of Transportation (DDOT)	\$1,000,000	DDOT will use Ultra-High Performance Concrete (UHPC), an Every Day Counts innovation supported by FHWA, to prolong the life of a bridge and reduce the environmental and social impacts of future major repairs or reconstruction. The project location, Bridge 0070-Southern Avenue over Suitland Parkway in Anacostia, was selected from the District’s inventory of 210 bridges as a demonstration site to study the impact of using UHPC.
Iowa Department of Transportation (Iowa DOT)/Buena Vista County	\$1,000,000	The Iowa DOT and Buena Vista County will use Validated Intelligent Compaction and Geospatial Data Collaboration technologies to map and identify Iowa’s gravel road network and create an asset management tool. The data will be accessible to county engineers across the State of Iowa and used to calculate performance indicators and remaining service life on those roads.
Iowa DOT	\$1,000,000	Iowa DOT will use E-ticketing, Digital As-Builts, and other technologies as part of an asset management pilot project designed to schedule timely and critical repairs. The project will also feature a Digital Delivery Workflow to transition Iowa’s project delivery from a two-dimensional, plan-centric model to a three-dimensional environment encompassing a digital twin of the infrastructure.
Maine Department of Transportation (Maine DOT)	\$800,000	Maine DOT’s pilot project will be used to improve the agency’s ability to manage data through the use of sensors, social media platforms, third-party data providers, and specially developed mobile apps. Maine DOT also expects the project to provide insights on how to recognize, respond to, and analyze incidents statewide.
Montana Department of Transportation (MDT)	\$1,000,000	MDT will use its grant to start an asset management program for retaining walls along the 12,923 miles of MDT routes that are currently undocumented. The project will establish a comprehensive database for tracking, inspecting, and rating the walls. It will also develop a planning tool to guide MDT decision-making, improve infrastructure resilience in response to climate change, and minimize adverse effects on low-income and minority populations caused by detours and road closures in the future.

Agency	Amount	Project Description
North Dakota Department of Transportation (NDDOT)	\$532,500	Vehicles often strike bridges in North Dakota due to incorrect routing based on the vehicle's size, inaccurate measurements, or incorrect permitting. NDDOT will address this issue by deploying oversize vehicle measuring system technology. This pilot will deploy the technology in Minot and near Mooreton.
Oklahoma Department of Transportation (ODOT)	\$839,807	ODOT will use UHPC to repair and replace 18 expansion joints and 18 fixed joints of the Northbound and Southbound I-35 Cimarron Overflow bridges. If the pilot project, which is designed to minimize environmental impacts by reducing construction time and making more durable repair, is successful, ODOT will consider using this type of concrete for future projects.
Pennsylvania Department of Transportation (PennDOT)	\$700,000	PennDOT will deploy Targeted Overlay Pavement Solutions, an EDC innovation supported by FHWA, that feature Stone Matrix Asphalt and Highly Modified Asphalt in projects in five of its Engineering Districts. The pavement solutions enhance overlay performance for both asphalt and concrete pavements, reduce maintenance, maximize previous investments through extended service life of pavement structures, reduce congestion through the need for less work zones, increase skid resistance, improve resiliency in flood-prone areas, and reduce noise.
Texas Department of Transportation (TxDOT)	\$1,000,000	TxDOT will deploy Traffic Speed Deflection Device technology in select TxDOT districts to collect data on the structural condition of pavements using a non-contact doppler laser without the need for traffic control. Data collected as part of the project is expected to improve TxDOT's annual treatment planning program.
TOTAL	\$8,842,307	