

**TASK 4.0**

**METROPOLTAN TRANSPORTATION PLAN**

## V. TASK 4.0 METROPOLITAN TRANSPORTATION PLAN

- A. OBJECTIVE** - The SAFETEA-LU requires the development of a transportation plan addressing a twenty-year planning horizon. The plan shall include both long-range and short-range strategies and actions that lead to the development of an integrated intermodal transportation system. The plan shall be reviewed and updated at least every five years in attainment areas. If the MPO becomes non attainment for air quality, then the plan will be revised every fourth year to comply with the State Implementation Plan (SIP). The MPO staff will participate in the area wide efforts to retain attainment status for the Ambient Air Quality. The staff will participate in the efforts of the Air Quality Committee and the Technical Work Group (TWG) on Mobile Source Emission.

The SAFETEA-LU lists eight factors that must be considered as part of the planning process:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
2. Increase the safety of the transportation system for motorized and non-motorized users.
3. Increase the ability of the transportation system to support homeland security and to safeguard the personal security of all motorized and non-motorized users.
4. Increase the accessibility and mobility of people and freight.
5. Protect and enhance the environment, promote energy conservation, and improve quality of life and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.
7. Promote efficient system management and operation.
8. Emphasize the preservation of the existing transportation system.

### B. EXPECTED PRODUCTS:

1. Travel Demand Model Analysis.
2. The Corpus Christi Metropolitan Transportation Plan.
3. Air Quality Monitoring.
4. Texas Metropolitan Mobility Plan (TMMP)

### C. PREVIOUS WORK:

1. Travel Demand Model Refinement.
2. The Corpus Christi Metropolitan Transportation Plan.
3. Air Quality Monitoring.
4. Texas Metropolitan Mobility Plan (TMMP)

**D. SUBTASKS:**

- Subtask 4.1 Travel Demand Model Analysis.
- Subtask 4.2 Corpus Christi Metropolitan Transportation Plan.
- Subtask 4.3 Air Quality Monitoring.
- Subtask 4.4 Texas Metropolitan Mobility Plan (TMMP)

**E. FUNDING SUMMARY:**

<b>Subtask</b>	<b>Responsible Agency</b>	<b>TPF*</b>	<b>FTA Sect. 5307</b>	<b>GTPF</b>	<b>Local*</b>	<b>Total*</b>
Subtask 4.1	MPO	\$84,359	\$0	\$0	\$0	<b>\$84,359</b>
Subtask 4.2	MPO	\$87,439	\$0	\$0	\$0	<b>\$87,439</b>
Subtask 4.3	MPO	\$17,009	\$0	\$0	\$0	<b>\$17,009</b>
Subtask 4.4	MPO	\$16,988	\$0	\$0	\$0	<b>\$16,988</b>
<b>Total</b>		<b>\$205,795</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$205,795</b>

TxDOT State Funds*	<b>\$21,000</b>
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\* Two-year estimated total

**SUBTASK 4.1 TRAVEL DEMAND MODEL ANALYSIS****OBJECTIVE:**

The MPO would like to enhance the modeling process through the use of consulting services at an estimated cost of \$50,000 over the two-year period by:

1. Using the calibrated model from TxDOT Transportation Planning and Programming Division, to prepare transportation forecasts for specific corridor alternatives.
2. Refine travel demand model TAZ boundaries and demographics for various scenarios and run traffic assignments and travel forecasts for specific corridor scenarios.
3. Running the model and prepare the input for the emission model.
4. Refine travel demand model roadway networks and run traffic assignments and travel forecasts for specific corridor alternatives in support of the Metropolitan Transportation Plan.

**EXPECTED PRODUCTS:**

Enhanced ability to provide alternative and subarea analysis results.

**PREVIOUS WORK:**

2030 Travel Demand Model.

**SUBTASK FUNDING SUMMARY:**

Subtask	Responsible Agency	TPF	FTA Sect. 5307	GTPF	Local	Total
Subtask 4.1	MPO	\$84,359	\$0	\$0	\$0	\$84,359

**SUBTASK 4.2           CORPUS CHRISTI METROPOLITAN TRANSPORTATION PLAN**

**OBJECTIVE:**

To keep 2030 Metropolitan Transportation current by making amendments, with the involvement of public officials and citizens, in compliance with the requirements of SAFETEA-LU. Also, review and update the policies, goals and objectives of the different elements of the plan based on the next transportation bill.

To meet the requirements of SAFETEA-LU, the plan shall address a twenty-year planning horizon and be reviewed and updated every five years. The plan shall in part:

1. Provide for the development and integration of management and operations of transportation systems and facilities;
2. Provide for the consideration of all modes of transportation;
3. Provide for a safety element that incorporates the goals of the state Strategic Highway Safety Plan;
4. Provide for a financial plan that includes an estimate of project cost in the year of expenditure.

The MPO would like to enhance the planning process through the use of consulting services at an estimated cost of \$30,000 over the two-year period by:

1. The identification of the types of environmental mitigation activities and potential areas for their implementation and integration of environmental agencies into the planning process.
2. The evaluation of project cost estimates in the year of expenditure and development of an inflation rate based on reasonable financial principles.
3. The identification of rail improvements needed for the efficient movement of freight in the study area.

**EXPECTED PRODUCTS:**

Amendments to the Corpus Christi Metropolitan Transportation Plan 2007-2030 and preparatory work on the 2010-2035 plan.

**PREVIOUS WORK:**

2007-2030 Metropolitan Transportation Plan.

**SUBTASK FUNDING SUMMARY:**

Subtask	Responsible Agency	TPF	FTA Sect. 5307	GTPF	Local	Total
Subtask 4.2	MPO	\$87,439	\$0	\$0	\$0	\$87,439

**SUBTASK 4.3      AIR QUALITY MONITORING****OBJECTIVE:**

Participate in the City of Corpus Christi Air Quality Committee, a coalition of public and private entities that develop strategies to retain the attainment status for the Ambient Air Quality Standards. This committee will participate in studies, public education, and mobile source data collection. Participate in the activities of the Technical Working Group (TWG) on Mobile Source Emission. The TWG is established by the Texas Department of Transportation to educate and assist near non-attainment areas to avoid the non-attainment status. The MPO has set aside \$8,000 for research and the public outreach efforts of the Air Quality Committee.

**EXPECTED PRODUCTS:**

The MPO staff will participate and coordinate in the Corpus Christi Air Quality Committee and Technical Work Group activities.

**PREVIOUS WORK:**

The MPO staff attended the City of Corpus Christi Air Quality Committee, and the TWG meetings to keep abreast of the new regulations and changes in the local conditions.

**SUBTASK FUNDING SUMMARY:**

<b>Subtask</b>	<b>Responsible Agency</b>	<b>TPF</b>	<b>FTA Sect. 5307</b>	<b>GTPF</b>	<b>Local</b>	<b>Total</b>
Subtask 4.3	MPO	\$17,009	\$0	\$0	\$0	\$17,009

**SUBTASK 4.4 TEXAS METROPOLITAN MOBILITY PLAN (TMMP)**

**OBJECTIVE:**

Prepare a Regional Mobility Plan that is not fiscally constrained that evaluates addressing the mobility needs of the two county metropolitan region and identifies projected funding gaps to realize the needed transportation improvements. The MPO staff is a participant in the TMMP working group which has been meeting to develop a consensus process that will assure procedural consistency in the development of each of our TMMP's. Also, the staff will be working with the MPO committees and citizens to identify local transportation needs related to hurricane evacuation, economic development, mobility, air quality, and traffic congestion.

To meet the requirements of the Texas Department of Transportation, the plan shall address a twenty-year period and be reviewed and updated every five years. However, after discussions at the TMMP work group meetings, the eight large Transportation Management Areas agreed to revise the TMMP in 2006. The purpose of early revision was to review the process and needs based cost estimates. Continued review of the process and the findings will form a foundation for subsequent revisions.

**EXPECTED PRODUCTS:**

Revisions to the 2006 Texas Metropolitan Mobility Plan.

**PREVIOUS WORK:**

The last revision of the Texas Metropolitan Mobility Plan was completed in September 2006.

**SUBTASK FUNDING SUMMARY:**

Subtask	Responsible Agency	TPF	FTA Sect. 5307	GTPF	Local	Total
Subtask 4.4	MPO	\$16,988	\$0	\$0	\$0	\$16,988