

FY 2022-23 Unified Planning Work Program



Transportation Management Area (TMA)

AIR QUALITY STATUS: *Attainment*

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Rio Grande Valley Metropolitan Organization

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I. INTRODUCTION

The Federal-Aid Highway Act of 1962 was the first piece of legislation to require a transportation plan from a metropolitan area in order to receive federal funds. This was the first time that a planning process was required of an urban area rather than a city. The act also mandated that the process for developing such plans and programs provide for consideration of all modes of transportation and be *continuing, cooperative, and comprehensive* (3C), to the degree appropriate.

In 1973, the Federal-Aid Highway Act formally created Metropolitan Planning Organizations (MPOs), which had the ability to choose a transportation planning process that would best fit the community. MPOs would prepare Transportation Improvement Programs (TIPs), Unified Planning Work Programs (UPWPs) [currently required under 23 CFR Part 420 and 23 CFR Part 450.308], and long-range plans, but could not prioritize projects depending on their degree of importance for the urbanized area.

The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 expanded the roles of the MPOs as well as the states making them more powerful as a decision-making organization. They were also required to prioritize their projects, placing emphasis on those needed due to financial constraints. Projects in the Transportation Improvement Program (TIP) were now obligated to precisely follow the recommendations of the adopted Long-Range Plan in the metropolitan area.

The Transportation Equity Act for the 21st Century (TEA 21) of 1998 continued the expanded roles of MPOs in the planning process. The sixteen factors of planning were then rolled into seven areas of planning emphasis known also as planning factors. TEA21 further refined many questions that arose out of ISTEA.

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) approved by the President on August 10, 2005 addresses the many challenges facing our transportation system today – challenges such as improving safety, reducing traffic congestion, improving efficiency in freight movement, increasing inter-modal connectivity, and protecting the environment – as well as laying the groundwork for addressing future challenges. SAFETEA-LU promotes more efficient and effective Federal surface transportation programs by focusing on transportation issues of national significance, while giving State and local transportation decision makers more flexibility for solving transportation problems in their communities.

The Moving Ahead for Progress on the 21st Century (MAP-21) signed into law in 2012 supports the same transportation factors with the difference of placing considerable effort and emphasis towards developing and implementing performance measures to identify the effectiveness of transportation investments.

The new Transportation Bill Fixing America’s Surface Transportation Act (FAST-Act) signed into law by President Obama on December 4th, 2015, is the first federal law in over ten years to provide long-term funding for surface transportation. It authorizes funding for highway infrastructure, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail and research technology and statistics programs. FAST Act continues the Highway Safety Improvement Program (HSIP) to achieve a significant reduction in traffic fatalities and serious injuries on all public roads.

HISTORY OF THE RIO GRANDE VALLEY MPO

On April 24, 2019, regional elected officials held a signing ceremony at the Lower Rio Grande Valley Development Council requesting a re-designation for the 3 Metropolitan Planning Organizations located in in the Rio Grande Valley, Brownsville MPO, Harlingen-San Benito MPO and Hidalgo County MPO, into a singular regional planning organization named the Rio Grande Valley Metropolitan Planning Organization (RGVMPO). On May 14, 2019, Governor Greg Abbott signed and approved the re-designation and creation of the RGVMPO and on June 26, 2019 the RGVMPO Policy Board held its first official meeting. By-laws and Chairman Ambrosio Hernandez, Mayor of Pharr and Vice Chairman, Eddie Trevino, Cameron County Judge were the first officers elected to the newly formed RGVMPO.

A. Purpose

The FY 2022-2023 UPWP is a two-year budget in which the Rio Grande Valley Metropolitan Planning Organization (RGVMPO) staff defines the tasks that are to be undertaken to meet the requirements of MAP-21 and FAST-Act, and to provide an open, transparent resource for the public on what funds are being expended to meet these requirements.

FAST-Act amended the Scope of the Planning Process to include the following planning factors:

- 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 security of the transportation system for motorized and non-motorized users.
- 4) Increase the accessibility and mobility of people and for freight.
- 5) Protect and enhance the environment, promote energy conservation, improve the 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.
- 9) Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.
- 10) Enhance travel and tourism.

In compliance with FAST-Act just like with MAP 21, the RGV MPO will be working and will continue working on developing performance measures to address the following goals identified in 23 USC 150:

- 1) Safety - To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
- 2) Infrastructure condition - To maintain the highway infrastructure asset system in a state of good repair.
- 3) Congestion reduction - To achieve a significant reduction in congestion on the National Highway System.
- 4) System reliability - To improve the efficiency of the surface transportation system.
- 5) Freight movement and economic vitality - To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.
- 6) Environmental sustainability - To enhance the performance of the transportation system while protecting and enhancing the natural environment.
- 7) Reduced project delivery delays - To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices.

ADDRESSING MAP-21 PLANNING EMPHASIS AREAS

As conveyed by the US Department of Transportation on April 23rd, 2014 where it stated “With the renewed focus on transportation planning brought about by the MAP-21, Transportation Secretary Foxx, and the pending issuance of proposed transportation planning regulations. Federal Highway Administration (FHWA) and Federal Transit Administration’s (FTA) Offices of Planning are jointly issuing Planning Emphasis Areas (PEAs). The PEAs are planning topical areas that we want to place emphasis on as the Metropolitan Planning Organizations (MPOs) and the State DOTs develop their respective planning work programs”. We are asking our FHWA and FTA field offices to meet with their MPO and State DOT counterparts to discuss these emphasis areas and encourage the MPOs and the States to develop and identify work tasks associated with the planning emphasis areas for inclusion in their upcoming unified planning work programs and statewide planning and research work programs for federal FY-2016. The planning emphasis areas for Federal FY-2016 include:

MAP-21 Implementation - *Transition to Performance Based Planning and Programming.*

RGVMPO Expected Activities - The development of performance measures in consultation with local transit providers and planning partners in establishing, developing, and monitoring performance measures as they relate to safety and congestion. Some of these MAP-21 efforts are already part of the RGVMPO’s planning activities as identified in Subtask 5.2 Incident Management Program and Subtask 5.3 Congestion Data Collection. In these subtasks the RGVMPO has been utilizing the Crash Records Information System (CRIS) created by the Texas Department of Transportation to monitor and analyze crash and fatality incidents in Hidalgo County. Just as other MPO’s, the RGVMPO is new in establishing performance measures and will do so as soon as possible.

Ladders of Opportunity - *Access to essential services - as part of the transportation planning process, identify transportation connectivity gaps in access to essential services.*

RGVMPO Expected Activities. - Due to the nature of the Rio Grande Valley having many colonias, and a large percentage of the population under the poverty level, the RGVMPO will address Title VI and Environmental Justice efforts as soon as possible. These documents also provide the RGVMPO with the opportunity to hear from the under-served populations in identifying gaps in transportation and connectivity. Some of these efforts are identified in Subtasks 1.2 Public Participation, 2.2 Title VI, and 4.1 Metropolitan Multimodal Plan. The RGVMPO will be producing its transit plan, bike plan and pedestrian plan through the facilitation of a consultant. Once the three plans have been updated, it is the goal of the RGVMPO to identify gaps between pedestrian, bicycle, transit and highway facilities as part of the overall multimodal plan to provide every person with access to mobility through the transportation alternative of their choice.

PUBLIC PARTICIPATION PLAN

The RGVMPO at a minimum, has produced a written and adopted Public Participation Plan (PPP) on September 25, 2019. This policy covers minimum time periods for public review and comments on initiatives undertaken or amended by the RGVMPO.

The RGVMPO will consult and coordinate with other transportation planning agencies such as Valley Metro, Metro McAllen and Brownsville Metro to partner with them in the transportation planning process.

The goal of the PPP is cooperation and continuing the effort to provide citizens, public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of the disabled, and other interested parties with a reasonable opportunity to comment on any planning activity.

To reach out to citizens and agencies listed above, RGVMPO staff will initiate a quarterly newsletter as an effort to provide greater outreach to the RGV region. In other attempts, the RGVMPO will initiate the MPO's Web Page, the RGVMPO will constantly be updating it with meeting agendas, meeting minutes, oral meeting minutes in English and Spanish, amendments, calendar events, completed studies, Metropolitan Transportation Plan (MTP), Transportation Improvement Program (TIP), Unified Planning Working Program (UPWP), Annual Performance and Expenditure Report (APER), Annual Project Listing (APL), and any other updates. In addition, the RGVMPO will mail out flyers of amendments and public meetings and/or hearings to the libraries, city halls and chambers of commerce to post at a visual and accessible location for public access. As identified in the PPP, the public meetings and/or hearings will be located on a transit accessible route.

In accordance with Senate Bill 1237 signed by the Governor on June 19th, 2015 requiring "Internet broadcast and archive of open meetings in a manner that complies with Section 551.128(c), Government Code. A metropolitan planning organization shall broadcast over the Internet live video and audio of each open meeting held by the policy board. Subsequently, the organization shall make available through the organization's Internet website archived video and audio for each meeting for which live video and audio has provided under this section". The RGVMPO staff purchased hardware and software to have the capability to comply with this requirement.

B. Definition of Area

The Rio Grande Valley Metropolitan Planning Organization is in the southern tier of the state of Texas. It shares an international border with Mexico and its boundaries lie within the Lower Rio Grande Valley, now known as Rio South Texas. The RGVMPO is comprised of the following cities: Alamo, Alton, Bayview, Brownsville, Combes, Donna, Edcouch, Edinburg, Elsa, Escobares, Granjeno, Harlingen, Hidalgo, Indian Lake, La Feria, La Grulla, La Joya, La Villa, Los Fresnos, Los Indios, McAllen, Mercedes, Mission, Palm Valley, Palmhurst, Palmview,

Peñitas, Pharr, Primera, Progreso, Progreso Lakes, Rancho Viejo, Rangerville, Rio Grande, Rio Hondo, Roma, San Benito, San Juan, Santa Rosa, Sullivan City, and Weslaco. The RGVMPPO is also comprised of unincorporated urbanized areas of Cameron and Hidalgo County. Governor Greg Abbott approved the re-designation agreement for the RGVMPPO on May 14, 2019. On June 26, 2019, the Transportation Policy Board (TPB) approved the newly created Metropolitan Area Boundary (MAB) map that was created by merging the three (3) separate Rio Grande Valley MPO's, Brownsville, Harlingen-San Benito and Hidalgo County on November 5, 2019, and approved by Governor Greg Abbott on March 5, 2021. On April 28, 2021, the Transportation Policy Board (TPB) amended the MAB to include Starr County, and on October 29, 2021 it was approved by Governor Greg Abbott. A map depicts the area in Appendix B.

C. Organization

The RGVMPPO is composed of a Technical Advisory Committee (TAC) and a Transportation Policy Board (TPB). The TAC membership consists of local officials and planners from the cities and the counties within the MPO boundary. The TAC is responsible for making planning recommendations to the TPB for action. The TPB is responsible for policymaking in transportation planning issues. An updated list of the policy committee members is enclosed in Appendix A.

The RGVMPPO contains subcommittees, which deal with specialized issues such as Transit, Multimodal, Data Criteria, Freight, Congestion, Land Use and more recently the Bicycle and Pedestrian Advisory Committee (BPAC). The TAC Chairperson will appoint subcommittees to carry out the Technical Advisory Committee's tasks, as he/she deems necessary. Appendix G contains an updated list of the Technical Committee and subcommittee members.

D. Private Sector Involvement

The private sector has been utilized in the past to develop plans for special studies. A consultant has been engaged by the MPO, in developing Long Range Plans (MTP) as well as a Bike Pedestrian Plan and for a Regional Transit Plan. Furthermore, a consultant has been contracted for a regional Congestion Management Process.

E. Planning Issues And Emphasis

The RGVMPPO has the need to address mobility through added capacity and rehabilitation of the existing system as well as public transportation needs without the financial resources required. Public participation in conjunction with the transportation planning partners is critical to prioritize projects and funding to obtain the utmost benefit for the community with the resources available. This is where subcommittees such as transit, land use, freight, multimodal, data criteria, congestion, and the bicycle and pedestrian advisory committee play a vital role. The active participation of the RGVMPPO TPB and TAC along with the subcommittees will make it possible for the RGVMPPO to make successful planning decisions and strategies to address mobility and transit in Lower Rio Grande Valley.

II. Task 1.0 – ADMINISTRATION AND MANAGEMENT

A. OBJECTIVE

This task includes the coordination of transportation planning activities among local, state, and federal participating agencies. It also includes training, supply/equipment purchases, the hiring and training of new MPO Staff and MPO Public Participation Plan.

Additional objectives:

- To develop public information exchange and education programs which increases public interest and participation in ongoing transportation planning activities.
- To promote public involvement and communication in “best practices” for land use/transportation interactions.
- To obtain and maintain computer hardware, software, technical support, and training necessary to maintain transportation planning activities.
- To re-develop the RGVMPPO’s website to meet all work task criteria, the RGVMPPO needs to migrate from an outdated content management system to a more astute time efficient content management system that will support the needs of the RGVMPPO. The RGVMPPO will consult with Civica, the current website provider, who will work with RGVMPPO staff to design and develop an updated intuitive and modern website.

B. EXPECTED PRODUCTS

LRGVDC staff in coordination with RGVMPPO staff will submit billing statements to the Texas Department of Transportation (TxDOT), implement Transportation Systems Management Elements, and coordinate public participation programs. These tasks will be distributed between the Administration, Public Participation, and Staff Development sub-tasks.

Travel for the director and and/or staff to attend the annual Transportation Research Board (TRB) conference and the annual Association of MPO’s (AMPO) conferences will be allocated to this task. Staff is also expected to have representation at the Texas Association of MPO’s (TEMPO) meetings

C. PREVIOUS WORK

The Rio Grande Valley MPO Staff performed several activities under this task, including, but not limited to, the coordination of transportation planning activities in conjunction with staff from Reynosa; the development of the planning work program and the budget; management of transportation planning funds; the implementation of policies necessary to maintain the “3-C” planning process; and the creation of the public participation plan to efficiently gather public input. Staff attended several conferences, forums, training, and other appropriate seminars. Texas A&M Transportation Institute (TTI) performed a study in 2020, identifying the need for

RGVMPO staff to expand in the direction of 13 to 16 individuals. Since that study, the RGVMPO has hired 4 more staff members, including Planners and GIS Specialist, to increase the staff count from 8 to 12.

D. SUBTASKS

Subtask 1.1: Program Support

This task will be performed entirely by the staff of the MPO. The primary activities, which take place under Program Support, include the following:

- 1.1.1 Development and distribution of reports required by the federal government or by the Transportation Policy Committee.
- 1.1.2 Development of transportation planning activities.
- 1.1.3 Coordination of transportation planning activities.
- 1.1.4 Budgeting and management of transportation planning activities.
- 1.1.5 Development and implementation of the policies/guidelines necessary to maintain the “3-C” planning process.
- 1.1.6 Conducting meetings necessary to carry out and maintain the transportation planning process by providing support to advisory committees.
- 1.1.7 Development of processes for obtaining increased public input and participation in the transportation planning process.
- 1.1.8 Development and revision of the PPP, Bylaws, and other related documents as needed.
- 1.1.9 Coordinating and working with other agencies and organizations involved in the planning, programming and implementation of transportation projects and other transportation activities.

Subtask 1.2: Public Participation Plan

This task consists of our public participation plan activities. Included in this task are our quarterly newsletters provided in English and Spanish and advertising budget. MPO Staff will continue to create and distribute a quarterly newsletter statewide. The newsletters will be made available to the public online at www.RGVMPO.org, via mail, e-mail, Facebook, Twitter and YouTube. The newsletters will also be distributed to several locations within Cameron, Hidalgo, & Starr County, including but not limited to, Libraries, Transit Routes, City Halls, Chambers of Commerce, and the Lower Rio Grande Valley Development Council (LRGVDC).

MPO Staff will continuously update the MPO website through coordination with the Webmaster. The RGVMPO will archive TPB meetings as part of the SB 1237 so they can be reviewed by the public. MPO staff will also work with guidance from the TPB to assure that the current Public Participation Plan process is updated and reflective of the current needs and assessments of the RGVMPO. The RGVMPO staff will continue efforts to address essential services by identifying transportation connectivity gaps as part of the Ladders of Opportunity established by MAP-21. In accordance with the FAST-ACT, RGVMPO staff will also utilize Spanish material to target the under-served populations in Cameron, Hidalgo, and Starr County in conjunction with the LEP and Four Factor Analysis tools.

Brownsville Metro (B Metro) staff will undertake public involvement and correspondence activities for special projects that would involve the leveraging of funds through Cameron County by leveraging 5307 funding as well as Economic Development Corporations, and other opportunities, some of which may require revisions to the TIP/MTP documents.

Subtask 1.3: TAC and TPB Workshops

When feasible, the MPO staff will conduct a workshop on a variety of MPO topics for the TPB and TAC members. Some past examples include: A Multimodal Workshop, a review of basic MPO documents, including the UPWP and TIP, and an Introduction to the MPO for newer members. The RGVMPO will host a Policy Board workshop to be conducted by an outside consultant to cover subject matter such as but not limited to, update and prioritize policy board objectives for the executive director and staff. Identify highest priority projects, discuss project rankings, and project development. Discuss successes since the merger of the RGVMPO and other factors. The budget shall include funds for meeting space if needed and food for the policy board during the workshop.

Subtask 1.4: Computer and Equipment Purchases

This task consists of MPO software licenses and agreements for the computer system within the RGVMPO offices. The RGVMPO has a contract with a local firm, Wireless Internet, for the provision of technical (IT) support for the entire RGVMPO network of computers, plotters, printers, iPads, server, etc. RGVMPO Staff will continue upgrading computer(s)/server, hardware and software as the budget allows. As a result, from the purchase of an additional GIS server in 2016, the RGVMPO Staff was able to create the United Metropolitan Area Planning (UMAP) database which is an interactive system that reflects all types of data such as geographic, statistical, economic, and demographic data and information for the Counties of Cameron, Hidalgo, and Starr. This information is accessible to the public and planning partners for their review and consultation. As the server becomes outdated, or runs out of space, RGVMPO Staff will need to purchase server upgrades and supporting hardware and software to save and store the day-to-day work projects. As the number of RGVMPO Staff grows, the RGVMPO will need to purchase laptops, monitors, keyboards, and peripherals as needed as well as GIS devices and/or GIS desktop computers, to accommodate RGVMPO Staff or replace existing units as they become outdated and/or they stop functioning. The RGVMPO will also be

seeking software licenses and updates as appropriate to update visualization and social media to assure seamless planning processes and public information sharing. Due to the demand of our current domain and GIS servers along with the corresponding services they provide, the processing capabilities needed to process these servers have been kept in a physical environment instead of moving to a cloud-based ecosystem. These physical servers will need constant upgrades or replacements within the next 2 years due to current operating systems becoming unsupported by Microsoft.

All LRGVDC Procurement Regulations and Federal Regulations will be followed during the purchase of all new office equipment, and equipment purchases greater than \$5,000 will require and seek prior approval from FHWA and TxDOT.

In accordance with Senate Bill 1237 signed by the Governor on June 19th, 2015 and taking effect on September 1st, 2015, requiring “Internet broadcast and archive of open meetings in a manner that complies with Section 551.128(c), Government Code. A metropolitan planning organization shall broadcast over the Internet live video and audio of each open meeting held by the policy board. Subsequently, the organization shall make available through the organization’s Internet website archived video and audio for each meeting for which live video and audio has provided under this section”.

Subtask 1.5: Staff Development

This subtask is to allow the Directors and staff to attend appropriate courses, seminars, and workshops to develop expertise in technical and policy transportation planning as the budget and staff workloads allow. Travel for the directors and/or staff to attend the annual TRB conference in January and the annual AMPO conference and TEMPO meetings will be allocated to this subtask. Out of state travel will require prior TPP approval.

Subtask 1.6: Transit Administration/Brownsville Metro

Brownsville Metro staff will administer the associated transit planning activities for the Brownsville urbanized area. These activities include revisions/updates to the transit asset management plan, development of the public transportation agency safety plan, as well as liaison work with the regional transit advisory panel and other local agencies.

E. FUNDING SUMMARY

Task 1 – FY 2022-2023

| Subtask | Responsible Agency | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|--------------|-------------------------|--|---------------------|------------------------|-----------------|----------------|----------------|--------------------------------|---------------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 1.1 | MPO | \$693,542.75 | \$693,542.75 | \$0 | \$0 | \$0 | \$0 | \$693,542.75 | \$693,542.75 |
| 1.2 | MPO, Brownsville | \$84,319.16 | \$84,319.16 | \$8,000 | \$8,000 | \$2,000 | \$2,000 | \$94,319.16 | \$94,319.16 |
| 1.3 | MPO | \$12,144.83 | \$2,144.83 | \$0 | \$0 | \$0 | \$0 | \$12,144.83 | \$2,144.83 |
| 1.4 | MPO | \$65,462.35 | \$65,462.35 | \$0 | \$0 | \$0 | \$0 | \$65,462.35 | \$65,462.35 |
| 1.5 | MPO | \$51,696.66 | \$51,696.66 | \$0 | \$0 | \$0 | \$0 | \$51,696.66 | \$51,696.66 |
| 1.6 | Brownsville | \$0 | \$0 | \$12,000 | \$12,000 | \$3,000 | \$3,000 | \$15,000 | \$15,000 |
| TOTAL | | \$907,165.75 | \$897,165.75 | \$20,000 | \$20,000 | \$5,000 | \$5,000 | \$932,165.75 | \$922,165.75 |

¹ TPF – 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 work hours, they are not reflected in the funding tables.

III. TASK 2.0 DATA DEVELOPMENT AND MAINTENANCE

A. OBJECTIVE

The main objective of this task is to maintain and update the databases we have established. The databases have been created for the provision of information and analysis to support the Metropolitan Planning Organization's planning efforts. This includes population forecasting, employment information, and increase of food deserts in tandem with information regarding income contained within the national emphasis on Title VI of the Civil Rights Act of 1964.

- To collect, process and analyze demographic and geographic data necessary to develop and implement regional transportation plans and systems.
- To develop and maintain advanced state-of-the-practice travel demand modeling tools and explore *advanced practice* modeling methods that enhances the region's capabilities for regional, sub regional, and corridor planning and analysis.
- To participate in the ongoing data collection efforts of other transportation agencies in the region and expedite the sharing of roadway inventory data and candidate roadway project information between transportation agencies.
- Enhance the understanding of regional impacts of commercial vehicle operations and traffic accidents in the region.
- To develop the technical expertise to support for emergency evacuation planning for the region.

B. EXPECTED PRODUCTS

Data base development and maintenance involves continuously updating the transportation model network and trip generation base. RGVMPO staff will update the FY 2045 Forecast Model and continue to develop a comprehensive scenario planning based Land Use Plan.

C. PREVIOUS WORK

Staff worked with local municipalities and planning partners to run travel demand model of the local project in the area. Staff updated parcel data and land use data in preparation for a 2045 MTP update. Staff worked with transit providers to assist in geocoding bus sign, bus stop and other transit assets.

D. SUBTASKS

Subtask 2.1: Demographic Data

This task involves continuously updating the land use map and utilize socio-economic data that is provided by our member cities. RGVMPO staff will utilize the land use map for the forecast

FY 2050 transportation model and for use in demographic and employment forecasting to support regional and local transportation planning efforts. RGVMPO staff will be doing an inventory of all neighborhoods (including colonias) and monitor for any new development. [Ongoing] Food deserts, as defined by Center for Disease Control (CDC), is an area that “lack[s] access to affordable fruits, vegetables, whole grains, low-fat milk, and other foods that make up the full range of a healthy diet.” There are various measures that can help in identifying a food desert. The United States Department of Agriculture (USDA) notes some of these measures as the number of food sources in an area and the proximity for the residents to those food sources. After identifying and gathering this data within the RGVMPO MAB information is passed on to the transit providers (Valley Metro, Metro McAllen, and B Metro) in an effort to emphasize assistance to underserved and disadvantage communities.

Subtask 2.2: Title VI Civil Rights Evaluation

The RGVMPO Staff will continue to study analysis tools as related to Title VI, as well as the MPO’s adopted performance measure of Travel Time Savings for each community. RGVMPO Staff will be performing special analysis work to identify where low-income, minority, and *colonia* populations, are located within Cameron, Hidalgo, and Starr County. RGVMPO Staff will then produce various visual aids to show the relation of current and future projects, including location relative to the identified groups as well as the relation of transit routes to these identified areas. MPO Staff will produce maps to be used as analysis tools for identifying any possible equity issues with relationship to projects, transit routes and the relationship of transit routes to hospitals, schools, daycares, *colonias*, historical landmarks, wildlife refuges, elderly communities, and grocery store locations (to mention a few). Maps produced for the TIP will clearly indicate that none of the identified communities will suffer any undue burden for the region’s greater benefit.

The RGVMPO staff will also continue efforts to address essential services in identifying transportation connectivity gaps as part of the Ladders of Opportunity established by FAST-Act by utilizing Spanish material to target the under-served populations in Cameron, Hidalgo, and Starr County in conjunction with the LEP and Four Factor Analysis tools.

Subtask 2.3: Model Work

In 2016, regional MPO Staff began work on a regional transportation model (TDM) with a base year of 2014 model for the Rio Grande Valley (RGV). RGVMPO Staff will coordinate a refresh of the previous 2014 – 2045 TDM with a new base year of 2019 and a forecast year of 2050 working alongside the Texas Department of Transportation, and the Transportation Planning and Programming Division to assure a true reflection of traffic movement throughout the valley region is collected. MPO staff will attend training courses pertaining to various computer programs and/or databases utilized by the RGVMPO for TDM development and operation. RGVMPO Staff in coordination with TxDOT previously contracted a consultant to aide in the development of the overall Rio Grande Valley Regional Travel Demand Model (TDM) which produced a 2045 forecasted TDM. The RGVMPO will seek consultant services to aide in

developing the refresh of the current 2014 – 2045 TDM with a new base year of 2019 and a forecast year of 2050. The scope of work will include but not be limited to; 1) Holding Delphi meetings with all stakeholders to acquire demographic information, 2) Working with RGVMPO staff to collect and verify demographic data, 3) Review and revise traffic analysis zones (TAZs), 4) Review and analyze existing roadway network and attribute, 5) Develop a forecast year network, 6) Present final TDM to RGVMPO, and 7) Train RGVMPO staff on TDM functionality.

TxDOT Data Collection - to conduct travel surveys and/or traffic saturation counts in the MPO region for use in the travel demand models and transportation analysis for pavement and geometric design.

Subtask 2.4: Land Use Map

Staff will coordinate efforts with Cameron, Hidalgo and Starr County's Appraisal Districts to receive parcel data, as the information is available the first quarter of every year. The parcel data is cleaned, and any missing data is filled. Such materials will allow staff to prepare the basis for county wide comprehensive map. Changes in the development for residential and employment areas, both in terms of design and location will potentially cause people to reassess how they move about the region. If available, Staff will attend workshops and peer-to-peer programs to educate themselves on Land Use, and Scenario Planning process.

Subtask 2.5: Transit Planning/Brownsville Metro Geographic Information System (GIS)

Brownsville Metro staff will undertake the production of transit route(s) maps and service area maps needed for connectivity within the Brownsville Metro service area to facilitate pedestrian access to bus stops and frequent destinations.

E. FUNDING SUMMARY

Task 2 – FY 2022-2023

| Subtask | Responsible Agency | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|--------------|----------------------|--|---------------------|------------------------|-----------------|----------------|----------------|--------------------------------|---------------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 2.1 | MPO | \$66,319.16 | \$66,319.16 | \$0 | \$0 | \$0 | \$0 | \$66,319.16 | \$66,319.16 |
| 2.2 | MPO | \$37,896.66 | \$37,896.66 | \$0 | \$0 | \$0 | \$0 | \$37,896.66 | \$37,896.66 |
| 2.3 | MPO TPP | \$63,689.98 | \$63,689.98 | \$0 | \$0 | \$0 | \$0 | \$63,689.98 | \$63,689.98 |
| 2.4 | MPO Cities | \$56,844.99 | \$56,844.99 | \$0 | \$0 | \$0 | \$0 | \$56,844.99 | \$56,844.99 |
| 2.5 | Brownsville | \$0 | \$0 | \$12,000 | \$12,000 | \$3,000 | \$3,000 | \$15,000 | \$15,000 |
| TOTAL | | \$224,750.79 | \$224,750.79 | \$12,000 | \$12,000 | \$3,000 | \$3,000 | \$239,750.79 | \$239,750.79 |

¹ TPF – 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 work hours, they are not reflected in the funding tables.

IV. TASK 3.0 SHORT RANGE PLANNING

A. OBJECTIVE

The objective of this task is to include planning activities associated with immediate implementation relating to the near time frame. Examples include development and revision of the TIP, project development of selection process criteria and award of Transportation Planning Alternative funds known as TAP, Americans with Disabilities (ADA) implementation, transit planning, UPWP development and revisions, annual listing of projects, annual performance and expenditure reports, as well as establishing and implementing the planning procedures necessary to fulfill the requirements of Section 5303 of the Federal Transit Act of 1991.

B. EXPECTED PRODUCTS

Expected outcomes of this task include written and disseminated reports such as the annual listing of projects, the FY 2021-2024 TIP, the development of the new FY 2023-2026 TIP, development of project selection criteria and award of the FY 2023-2024 Transportation Alternative Program (TAP), and the UPWP. The MPO Staff will also be expected to provide technical assistance to member cities as needed.

For example, the RGVMPO staff will be coordinating with the member cities to update the Thoroughfare Plan Map. The RGVMPO staff will also aid the regional public transportation service plan preparation process by attending meetings and providing technical assistance support within the Metropolitan Area Boundary (MAB).

C. PREVIOUS WORK

RGVMPO staff assisted in the amendments to the FY 2019-2022 TIP and the development of the FY 2021 – 2024 TIP. RGVMPO staff attended Job Access and Reverse Commute (JARC) and New Freedom meetings and provided technical assistance to the group with respect to mapping and data collection, as well as technical expertise. As part of the UMAP live interaction initiative, RGVMPO staff compared existing GIS transit data to current data from the region's transit providers in order to update the live interactive map. RGVMPO staff also developed selection criteria and awarded 2021-2022 Transportation Alternative Program (TAP) funding programs.

D. SUBTASKS

Subtask 3.1: Service Coordination

This task is intended to provide member cities with a quick review of the traffic impact study the city Planning, and Zoning Boards have received. This task is also intended to guide the newer members through the TIP process for the first time. The MPO also serves as expert testimony when requested. There are no consultants for this task. RGVMPO Staff shall participate on the district's Regional Transit Advisory Panel (RTAP) under this subtask. The

Transit Advisory Panel coordinates efforts such as FTA 5303 funds, and the JARC and New Freedom programs which under MAP-21 have been absorbed into FTA Categories 5307 and 5310 but will assist with any upcoming Program Calls. Any traffic counts performed, will be charged to this task as part of the coordination and cooperation with RGV MPO local governments.

Subtask 3.2: Planning Assistance

This task will provide planning assistance to the regional planning project to develop transit service areas. This may include items such as: data sharing, the preparation of maps, attending meetings, and providing general transportation planning expertise to this effort. Staff has coordinated efforts with TxDOT and its planning partners and will continue to do so for the development of a financial forecast tool to be used by MPOs in the development of future MTP's. Travel to any meetings out of the MAB to surrounding areas will be charged under this subtask which is inclusive of discussions of transportation planning with our neighboring country, Mexico. The creation of the FY 2023-2026 TIP, annual list of projects, the development of project selection criteria and award of the 2023-2024 Transportation Alternatives Program, the UPWP, and the annual performance and expenditure reports will be attributed to this subtask. The RGV MPO will assist both Brownsville and McAllen in developing local transit plans. The City of Brownsville's Metro system needs more mobility options to better serve riders. The purpose of this Transit Study is to identify and define the public transportation needs in the City of Brownsville. Our goal is to emphasize community connectivity through enhanced forms of public transportation. This study will also serve as a strategic guide for capital projects and a long-range plan for public transportation. Upon completion the transit study will identify mobility needs, community transit goals, objectives, and will develop cost and revenue projections over the next 10 years. The study also has the additional goal of reducing greenhouse gas emissions by 50-52 percent below 2005 levels by 2030, and net-zero emissions by 2050, by evaluating scenarios for the transition toward electric and other alternative fueled vehicles. The City of McAllen is seeking funding to support the Transit Department's projects that includes assistance with reviewing and implementing the recently adopted Short Range Transit Plan. The recently adopted Short Range Plan was developed prior to the COVID-19 Pandemic. As a result of the pandemic, Metro McAllen has implemented service modifications that were not considered and will need to be accounted for. Additionally, the US/Mexico border has recently opened and there is a need to be able to address the added need for capacity. This would allow for the return of business and passenger service to pre-COVID levels. The Short Range Transit Plan is also intended to provide a process to reduce greenhouse gas emissions by 50-52 percent below 2005 levels by 2030, and net-zero emissions by 2050, by studying methods to accelerate the transition toward electric and other alternative fueled vehicles.

Subtask 3.3: Transit Planning/Brownsville Metro-Short Range Planning

Brownsville Metro staff will work on enhancing existing bus stops and developing new bus stops that will incorporate bike and pedestrian amenities, in addition to, carrying out the necessary reporting requirements to meet grant compliance.

Subtask 3.4: Complete Streets Planning

Complete Streets Policies provide recommendations which influence the design of transportation infrastructure to ensure the transportation network is equitable to all users. Staff intends to develop a Regional Complete Streets Policy which will focus on the incorporation of Complete Streets language into MPO planning documents, including the MTP and TIP. Staff will incorporate scoring criteria related to Complete Streets into the scoring system for proposed projects. Furthermore, staff intends to develop resources, which can be provided to municipal partners, to assist in the development of municipal Complete Streets Policies.

Subtask 3.5: Resiliency Planning

The RGVMPPO hopes to develop strategies and recommendations tying regional sustainability and resilience to impacts from transportation infrastructure. These strategies could include, but not be limited to, indicators and metrics to be used in project scoring (applicable to all projects) to be incorporated into MPO's prioritization process, and hosting a strategic resilience planning workshop presenting findings, strategies, and recommendations. Include implementation scheme development, incorporate outcomes from the workshop into findings and implementation report. Finally, develop a report, including strategies, recommendations, and preliminary project priorities.

This approach provides the RGVMPPO with both a resource vulnerability assessment and recommended strategies that can be integrated into project prioritization, encouraging more sustainable strategies in approaching mobility solutions. This resulting report will outline the methodology used to develop a scalable framework within the MTP update process that allows the RGVMPPO to leverage existing processes.

Subtask 3.6: Performance-Based Planning

Performance management is the process of ensuring that a set of activities and outputs meets a set of defined goals in an effective and efficient manner. A high-level perspective of the intent of performance-based planning is necessary in order to synthesize seemingly disparate inputs. A consultant should be able to review and synthesize reports of regional, state, and federal performance goals and targets, create an assessment of tools, data, and capacity needed for performance target development and reporting, develop a report on indicators of expected performance to be used in the development of assessment criteria in support of established goals, develop proposed scoring categories applying to all projects, synthesizing high level goals and data-driven and technical expertise-driven inputs – including BIL requirements and develop recommendations and an implementation scheme/toolkit.

Subtask 3.7: Transit Planning/McAllen Metro-Short Range Planning

The McAllen Metro staff will conduct a comprehensive study to assess current service levels and explore the viability of implementing high-capacity transit to restore and surpass pre-COVID-19 service standards. The project will be funded through 5307-9A - 5307- Urbanized Area Formula - Discr. Planning (ARPA).

E. FUNDING SUMMARY

Task 3 – FY 2022-2023

| Subtask | Responsible Agency | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|--------------|-------------------------------|--|-----------------------|------------------------|----------------|------------------|----------------|--------------------------------|-----------------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 3.1 | MPO TXDOT Cities | \$38,546.66 | \$38,546.66 | \$0 | \$0 | \$0 | \$0 | \$38,546.66 | \$38,546.66 |
| 3.2 | MPO TXDOT Cities | \$85,842.49 | \$335,842.49 | \$0 | \$0 | \$0 | \$0 | \$85,842.49 | \$335,842.49 |
| 3.3 | Brownsville | \$0 | \$0 | \$16,000 | \$4,000 | \$16,000 | \$4,000 | \$20,000 | \$20,000 |
| 3.4 | MPO | \$30,000 | \$90,000 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$90,000 |
| 3.5 | MPO | \$0 | \$325,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$325,000 |
| 3.6 | MPO | \$0 | \$250,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$250,000 |
| 3.7 | McAllen | \$0 | \$0 | \$500,000 | \$0 | \$125,000 | \$0 | \$625,000 | \$0 |
| TOTAL | | \$154,389.15 | \$1,039,389.15 | \$516,000 | \$4,000 | \$141,000 | \$4,000 | \$799,389.15 | \$1,059,389.15 |

¹ TPF – 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 work hours, they are not reflected in the funding tables.

V. TASK 4.0 METROPOLITAN TRANSPORTATION PLAN

A. OBJECTIVE

The objective of this task is to develop, maintain, and update a multi-modal Metropolitan Transportation Plan for the RGVMPO, while keeping a 25-year horizon always. Previously referred to as the Long-Range Plan, the MTP will address the previous needs identified in Tasks 2.0 & 5.0

B. EXPECTED PRODUCTS

In continuation from FY 2020-2021, the RGVMPO Staff intends to address components of the 2020-2045 MTP to make it FAST-Act compliant and incorporate relevant reports into the plan to ensure that it remains as complete as possible and incorporating the newly mandated performance measures. Also, as part of this effort, the RGVMPO Staff will work closely with TxDOT's adopted application to identify performance measures and values that are important to the communities within Cameron, Hidalgo, and Starr County.

C. PREVIOUS WORK

The regional MPO staff continued to work with the TAC, TPB and TxDOT to amend projects and costs in the MTPs as needed. The MTPs were adopted to meet MAP-21 compliance. In October of 2019 Alliance Transportation Group (ATG) was selected to perform multiple tasks for the newly created RGVMPO, to assist in meeting federal certification requirements and compliance. ATG was selected to provide a regional 2045 MTP (long range transportation plan), develop a transit plan, as well as a regional bicycle and pedestrian plan, which became renamed to the Active Transportation Plan. The RGVMPO Active Transportation Plan (ATP) facilitates the creation of a regional approach to active transportation in the RGV while recognizing the unique community identities throughout the region. The development and delivery of tools and strategies will empower the RGVMPO and the regional transit providers to evaluate, coordinate, and deliver transit on behalf of the community. MTP updates are conducted every four to five years to ensure that the MPO is basing its decisions on the latest planning assumptions and that changing local conditions and trends are being taken into consideration in the long-range transportation planning process. The initial planning is also followed by a performance management process that collects data on the performance of the regional transportation system to track progress over time and ensure that the MTP results in the continuous enhancement of the region's transportation system. RGVMPO staff follows federal and state guidelines by incorporating performance measures and uses these performance measures to score Category 7 projects.

D. SUBTASKS

Subtask 4.1: Project Selection Criteria

This task will be developed in coordination with a consultant who will be contracted to develop the RGVMPO 2045 MTP.

Subtask 4.2: Metropolitan Bike and Pedestrian Plan

Staff plans to develop, through a private consultant contract, a bike/pedestrian plan for the region. Staff plans to update and add elements to the plan every year in coordination with our planning partners and monitor its progress towards implementation. The purpose of this plan is to increase the connectivity between all modes of transportation including bicycle lanes/trails, pedestrian sidewalks/trails facilities, and public transportation routes/facilities. We consider this an on-going sub-task due to the changing nature of the transportation system. The Bicycle and Pedestrian Advisory Committee known as the BPAC formed in early 2020 will be the planning partner with the largest contribution to updating the multimodal plan. It will also work on the new 2023-2024 TAP project selection criteria and project funding selection. The RGVMPO staff will also continue efforts to address essential services in identifying transportation connectivity gaps as part of the Ladders of Opportunity established by MAP-21 and continued with FAST-Act. As part of bicycle awareness and planning efforts, the RGVMPO Staff has utilized Strava to receive data that identifies the corridors being utilized by the region for either walking or cycling, having a better tool for sharing the need of improvement of such corridors with elected officials.

Subtask 4.3: Truck Route & Freight Planning

Staff plans to work with members of local trucking companies and freight stakeholders to develop a freight plan that could be incorporated into future MTP developments once the RGVMPO has a modal split on its travel demand model. This task is also used to support travel expenses of RGVMPO staff for attending TxDOT freight committee meetings.

Subtask 4.4: County Thoroughfare Plan

The Hidalgo County Thoroughfare Plan was last adopted in 1996 and last amended in April of 2021. This subtask involves amending the thoroughfare plan (changing periodically) and updating information that is inclusive of both Cameron and Hidalgo Counties by obtaining the thoroughfare plans of member cities (as well as the counties) and synthesizing these respective plans into the RGVMPO thoroughfare plan. The Thoroughfare plan will be used as a tool for effective planning and Right of Way preservation. This plan is expected to be amended every year.

Subtask 4.5: Metropolitan Transportation Plan

Updated at least every quarter of a year, the Metropolitan Transportation Plan is the long-term, financially constrained, multimodal transportation plan for the region. Transit, highway, local roadway and bicycle and pedestrian projects are among projects included in the MTP. Changes to the MTP are incorporated through an update, amendment or administrative modification, and

public input opportunities are provided for a 30-day period prior to the adoption of a resolution for an amendment. The public outreach and involvement emphasize the importance of participation at all levels, from government agencies to the individual. At a minimum, one public meeting shall be held at each sub-region (McAllen/Edinburg, Harlingen/San Benito, & Brownsville). Each location selected will be at least ¼ mile from a transit route, in order to solicit input and comments from underserved and disadvantaged communities. As well, all MTP updates will have a virtual public involvement video via social media (YouTube, Facebook, etc.) where all materials presented to the public can be downloaded.

The RGV MPO adopted the 2020-2045 MTP in December of 2020. As required by MAP-21, the RGV MPO staff will develop visualization techniques to provide the LRGV citizens with more insight on the impact, design, and function of future transportation projects.

E. FUNDING SUMMARY

Task 4 – FY 2022-2023

| Subtask | Responsible Agency | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|--------------|--------------------|--|---------------------|------------------------|------------|-------------|------------|--------------------------------|---------------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 4.1 | MPO | \$18,948.33 | \$18,948.33 | \$0 | \$0 | \$0 | \$0 | \$18,948.33 | \$18,948.33 |
| 4.2 | MPO | \$152,386.64 | \$152,386.64 | \$0 | \$0 | \$0 | \$0 | \$152,386.64 | \$152,386.64 |
| 4.3 | MPO | \$18,948.33 | \$18,948.33 | \$0 | \$0 | \$0 | \$0 | \$18,948.33 | \$18,948.33 |
| 4.4 | MPO | \$19,073.33 | \$19,073.33 | \$0 | \$0 | \$0 | \$0 | \$19,073.33 | \$19,073.33 |
| 4.5 | MPO | \$96,566.65 | \$96,566.65 | \$0 | \$0 | \$0 | \$0 | \$96,566.65 | \$96,566.65 |
| TOTAL | | \$305,923.28 | \$305,923.28 | \$0 | \$0 | \$0 | \$0 | \$305,923.28 | \$305,923.28 |

¹ TPF – 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 work hours, they are not reflected in the funding tables.

VI. TASK 5.0 SPECIAL STUDIES

A. OBJECTIVE

The objectives of this task are: to optimize the performance of current and future transportation systems through the maximum utilization of management system outputs; to develop management systems, which provide information and strategies to improve the performance of existing and future facilities; to provide input into the transportation planning process for consideration at the system level; to undertake studies of specific aspects of the transportation system in order to provide the specialized information required in developing an efficient, multi-modal mobility system for the RGVMPO.

B. EXPECTED PRODUCTS

The RGVMPO staff in coordination with the counties of Cameron and Hidalgo County will perform a Congestion Management Study for the FY 2022. The RGVMPO will award a contract to a consultant thru the adopted Request for Proposal (RFP) process. Staff will continue monitoring of crash locations in order to identify the worst locations, statistically. These areas are identified as “Hot Spots”. After sites have been identified, further analysis is performed in order to discover the causes for incidents and identify safety improvements to these locations. Staff will continue processing information from the Crash Report Information System (CRIS) data received from TxDOT for incorporation into the Incident Management Program (IMP), now called the Transportation Incident Management (TIM) under FAST-Act. Program Staff has been asked to possibly examine the regional Intelligent Transportation System and explore possible recommendations for further integration into the transportation network. RGVMPO Staff will work with Brownsville Metro, Island Metro, McAllen Metro and Valley Metro to develop a 10 year “Long Range Transit Plan” in their current service areas and in the areas where expansion may occur. The RGVMPO Staff will collect traffic count data for Off-system roadways that are functionally classified and/or are on the thoroughfare plan that are in the MTP. Since these are not part of the assessment made by TxDOT for On-system roadways. The RGVMPO is planning to conduct one CMP data collection initiative in FY 2022. RGVMPO staff are planning on hiring a consultant to perform this study. This study will include a comparison of previous CMP studies of the Brownsville and Hidalgo County areas to present data collection in identified corridors where early deployment initiatives were initiated. The RGVMPO will continue work on the develop congestion performance measures in FY 2022 utilizing the data obtained thru this subtask as part of the MAP-21 Implementation Planning Emphasis Area required by MAP-21 and FAST-Act.

C. PREVIOUS WORK

In 2019-2020, CoPlan was contracted to perform a travel time delay study and assist in establishing a congestion management process (CMP) for the RGVMPO region. CoPLAN met with the CMP sub-committee to identify the 1,000 centerline miles to be part of the study. In addition to the study routes, CoPLAN made recommendations to the sub-committee for the 80 intersections to be evaluated for possible operational improvements. Regarding the timing of the signals, vehicle detection is the key element for efficient operation of a traffic signal. As determined during the previous CMP Tier II, a large majority of the regions traffic signals do not have a full complement of vehicle detection for all movements. CoPLAN worked directly with designated representatives for each City (Brownsville, Edinburg, Pharr, and Mission) responsible for maintenance of the study signals. CoPLAN, along with the City representative, visited each study intersection and performed an assessment of the signal equipment contents, working conditions, capabilities, and limitations.

D. SUBTASKS

Subtask 5.1: Regional Transit Plan

RGVMPO Staff will work with Brownsville Metro, Island Metro, McAllen Metro and Valley Metro to develop a 10 year “Long Range Transit Plan” in their current service areas and in the areas where expansion may occur. This study intends to develop a three-phased ten-year plan to improve the existing facility and its resources, address the issues in the facility and to provide an action plan to systematically overcome those identified issues and develop a financial plan for the recently approved Regional Transit Authority which will be administered by the LRGVDC.

Subtask 5.2: Incident Management & Safety Study

This task involves the continuous monitoring of crash locations in order to identify the worst locations, statistically. These areas are identified as “Hot Spots”. After sites have been identified by utilizing the data received from TxDOT thru CRIS, further analysis is performed to discover the causes for incidents and identify safety improvements to these locations. Through the Transportation Incident Management (TIM), we place primary planning emphasis on safety. This task will also involve a Transportation Safety Study which will be an extension to identifying the “Hot Spots”. The safety study will keep safety at the forefront of the RGVMPO planning efforts by identifying transportation safety problem areas within the Metropolitan Areas. The data will be mapped and available through the website. The RGVMPO will develop safety performance measures in FY 2022-2023 utilizing the data obtained thru this subtask as part of the MAP-21 Implementation Planning Emphasis Area required by MAP-21 and continued with FAST-Act.

Subtask 5.3: Congestion Data Collection

This task involves the continuous monitoring of congestion, which is required of all Transportation Management Areas (TMAs) under FAST-Act. The RGVMPO is planning to conduct one CMP data collection initiative in FY 2022. RGVMPO staff are planning on hiring a

consultant to perform this study. This study will include a comparison of previous CMP studies of the Brownsville and Hidalgo County areas to present data collection in identified corridors where early deployment initiatives were initiated. The RGVMPO will develop congestion performance measures in FY 2022 utilizing the data obtained thru this subtask as part of the MAP-21 Implementation Planning Emphasis Area required by MAP-21 and FAST-Act. Recommendations to address delay within the region will be a paramount outcome of this study.

Subtask 5.4: Corridor Study

RGVMPO staff proposes to collect traffic data and evaluate the traffic impact of FM509 from US 281 (Military Highway) to I-69E in Cameron County. Due to the tremendous growth, safe and efficient corridors are even more of a local concern. A consultant for the corridor study will be acquired in compliance with LRGVDC procurement guidance, in participation with the Harlingen-San Benito sub-region. The Consultant shall develop the opening-year and design-year (opening year +20) travel forecasts, and related traffic analysis in coordination with the City of Harlingen utilizing the Metropolitan Planning Organization's (MPO) traffic demand model, historic traffic, and existing count data. The Engineer shall document inputs, assumptions, and outcomes in a brief Average Daily Corridor Traffic Projections Report review historical crash data from the three most recent years and compare to the statewide averages for similar facilities to look for any statistically significant locations along the corridor. The study of FM 509 shall provide recommendations for roadway expansion, additional ROW, signal improvements, improved drainage, and other related improvements

Subtask 5.5: Traffic Counts

The RGVMPO Staff will collect traffic count data for Off-system roadways that are functionally classified and/or are on the thoroughfare plan since these are not part of the assessment made by TxDOT for On-system roadways. Staff is planning on purchasing additional traffic counter equipment and software as necessary in order to work on this task. This task is also used to support travel expenses of RGVMPO staff for the placing and collecting of traffic data.

E. FUNDING SUMMARY

Task 5 – FY 2022-2023

| Subtask | Responsible Agency | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|--------------|--|--|---------------------|------------------------|------------|-------------|-----------------|--------------------------------|---------------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 5.1 | MPO Regional Transit Plan | \$18,948.33 | \$18,948.33 | \$0 | \$0 | \$0 | \$0 | \$18,948.33 | \$18,948.33 |
| 5.2 | MPO TXDOT | \$9,474.17 | \$9,474.17 | \$0 | \$0 | \$0 | \$0 | \$9,474.17 | \$9,474.17 |
| 5.3 | Consultant CMP | \$244,898.33 | \$144,898.33 | \$0 | \$0 | \$0 | \$0 | \$244,898.33 | \$144,898.33 |
| 5.4 | MPO Corridor Study | \$18,948.33 | \$200,000.00 | \$0 | \$0 | \$0 | \$50,000 | \$18,948.33 | \$250,000.00 |
| 5.5 | MPO Traffic Counts | \$9,474.17 | \$9,474.17 | \$0 | \$0 | \$0 | \$0 | \$9,474.17 | \$9,474.17 |
| TOTAL | | \$301,743.33 | \$382,795.00 | \$0 | \$0 | \$0 | \$50,000 | \$301,743.33 | \$432,795.00 |

¹ TPF – 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 work hours, they are not reflected in the funding tables.

VII. Budget Summary

2-Year Funding Summary - FY 2022 and FY 2023

| UPWP Task | Description | Transportation Planning Funds (TPF) ¹ | | FTA Section 5307 Funds | | Local Funds | | Total Funds SPLIT into 2 years | |
|---------------|----------------------------------|--|----------------|------------------------|-------------|--------------|-------------|--------------------------------|----------------|
| | | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 | FY 2022 | FY 2023 |
| 1.0 | Administration – Management | \$907,165.75 | \$897,165.75 | \$20,000 | \$20,000 | \$5,000 | \$5,000 | \$932,165.75 | \$922,165.75 |
| 2.0 | Data Development and Maintenance | \$224,750.79 | \$224,750.79 | \$12,000 | \$12,000 | \$3,000 | \$3,000 | \$239,750.79 | \$239,750.79 |
| 3.0 | Short Range Planning | \$154,389.15 | \$1,039,389.15 | \$516,000 | \$4,000 | \$141,000 | \$4,000 | \$799,389.15 | \$1,059,389.15 |
| 4.0 | Metropolitan Transportation Plan | \$305,923.28 | \$305,923.28 | \$0 | \$0 | \$0 | \$0 | \$305,923.28 | \$305,923.28 |
| 5.0 | Special Studies | \$301,743.33 | \$382,795.00 | \$0 | \$0 | \$0 | \$50,000 | \$301,743.33 | \$432,795.00 |
| Total: | | \$1,893,972.30 | \$2,850,023.97 | \$548,000.00 | \$36,000.00 | \$149,000.00 | \$62,000.00 | \$2,578,972.30 | \$2,960,023.97 |

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 work hours, they are not reflected in the funding tables.

| | |
|---|------------------------|
| Combined Transportation Planning Funds ² | \$ 5,538,996.27 |
| Estimated Unexpended Carryover | \$ 2,361,051.67 |
| TOTAL TPF: | \$ 7,900,047.94 |

² Estimate based on prior years' authorizations

APPENDIX A

POLICY TRANSPORTATION BOARD MEMBERSHIP

| | | |
|--|---|---|
|  <p>Chairperson-Honorable Eddie Treviño, Jr. – Judge</p> <p>Cameron County etrevino@co.cameron.tx.us</p> |  <p>Vice-Chairperson-Honorable David L Fuentes</p> <p>Hidalgo County-Comm Prescient 1 david.fuentes@co.hidalgo.tx.us</p> |  <p>Frank Parke, Jr.</p> <p>Cameron County RMA fparker@parker-logistics.com</p> |
|  <p>Honorable – Trey Mendez – Mayor</p> <p>City of Brownsville Trey.mendez@cob.us</p> |  <p>Honorable – Ramiro Garza – Mayor</p> <p>City of Edinburg rgarza@reconomicadvisors.com</p> |  <p>Honorable – Chris Boswell – Mayor</p> <p>City of Harlingen cboswell@southtexlaw.com</p> |
|  <p>Honorable – Javier Villalobos – Mayor</p> <p>City of McAllen jvillalobos@mcallen.net</p> |  <p>Honorable – Armando O’Caña – Mayor</p> <p>City of Mission mayor@missiontexas.us</p> |  <p>Honorable-Mayor Ricardo "Rick" Guerra</p> <p>City of San Benito rguerra2@cityofsanbenito.com</p> |
|  <p>Honorable Ambrosio “Amon” Hernandez- Mayor</p> <p>City of Pharr mayor@pharr-tx.gov</p> |  <p>S. David Deanda, Jr.</p> <p>Hidalgo County RMA David.deanda@hcrma.net</p> |  <p>Honorable Eloy Vera Judge</p> <p>Starr County eloy.vera@co.starr.tx.us</p> |
|  <p>Pedro “Pete” Alvarez, P.E.</p> <p>TxDOT Phar District – Engineer Pedro.alvarez@txdot.gov</p> |  <p>Maribel Contreras</p> <p>Valley Metro – Executive Director Mcontreras@lrgvdc.org</p> |  <p>Andrew Canon</p> <p>RGVMPO – Executive Director acanon@rgvmppo.org</p> |

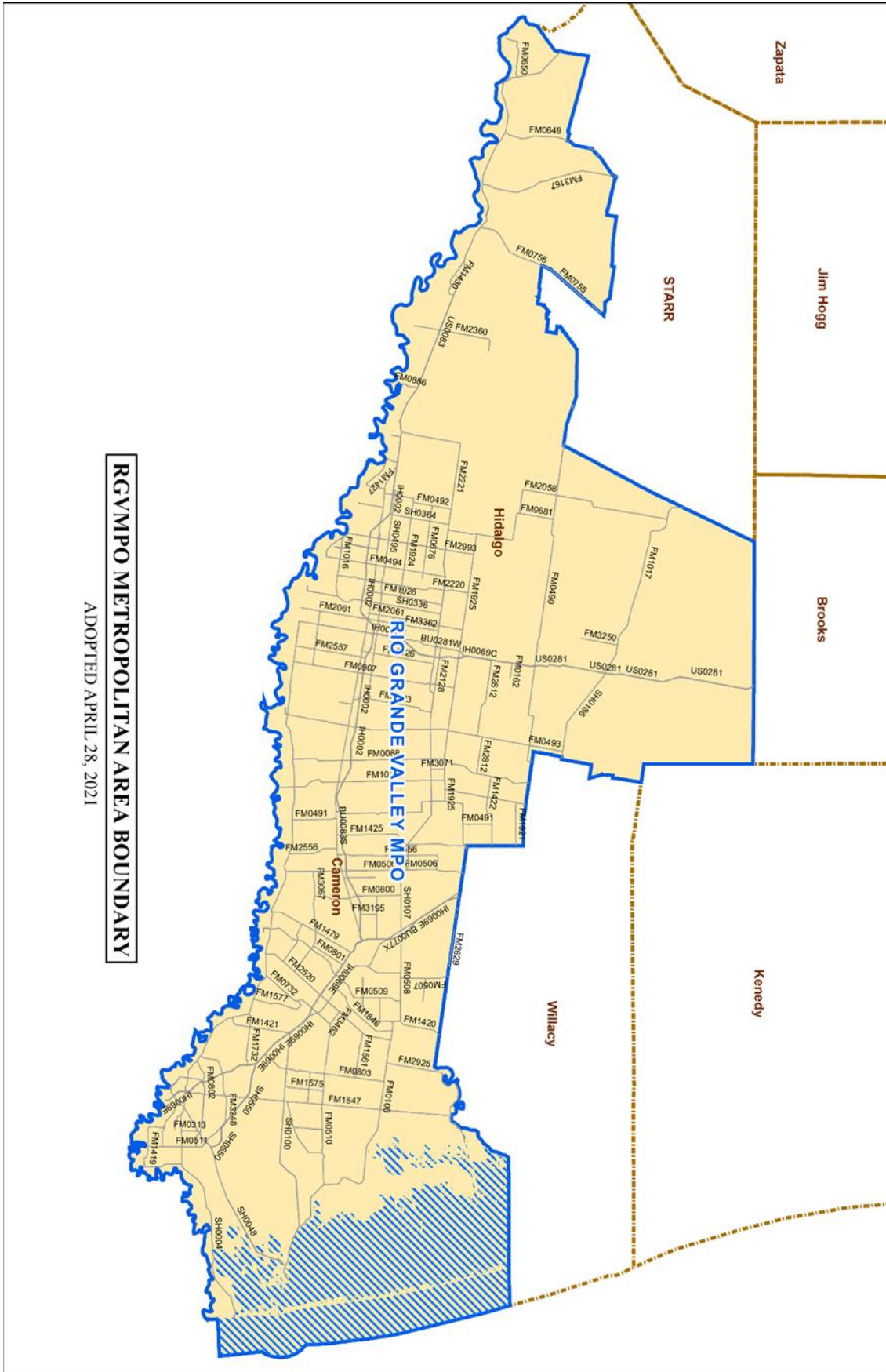
TECHNICAL ADVISORY COMMITTEE MEMBERSHIP

| | | |
|--|---|---|
| <p style="text-align: center;">JP Terrazas, P.E. Chairman City of Mission jpterras@missiontexas.us</p> | <p style="text-align: center;">Benjamin L. Worsham, P.E. Vice Chairman Cameron County benjamin.worsham@co.cameron.tx.us</p> | <p style="text-align: center;">Pete Sepulveda, Jr. Chairman Cameron County RMA psepulveda@ccrma.org</p> |
| <p style="text-align: center;">Joel Garza City of Brownsville joel.garza@cob.us</p> | <p style="text-align: center;">Tomas D Reyna City of Edinburg treyna@cityofedinburg.com</p> | <p style="text-align: center;">Craig Cook City of Harlingen craigc@myharlingen.us</p> |
| <p style="text-align: center;">Rene Gonzalez City of McAllen rgonzalez@mcallen.net</p> | <p style="text-align: center;">Daniel Chavez- Commissioner City of Pharr Commissioner4@pharr-tx.gov</p> | <p style="text-align: center;">Manuel De La Rosa City of San Benito mdelarosa@cityofsanbenito.com</p> |
| <p style="text-align: center;">Armando Garza Hidalgo County armando.garzajr.@co.hidalgo.tx.us</p> | <p style="text-align: center;">Eric Davila Hidalgo County RMA Eric.davila@hcrma.net</p> | <p style="text-align: center;">Melba Schaus TXDOT (Pharr District) Melba.schaus@txdot.gov</p> |
| <p style="text-align: center;">Nancy Sanchez Valley Metro Nsanchez@lrgvdc.org</p> | <p style="text-align: center;">Antonio Zubieta City of Brownsville Antonio.Zubieta@brownsvilletx.gov</p> | <p style="text-align: center;">Jon Ray Bocanegra McAllen Metro jbocanegra@mcallen.net</p> |
| <p style="text-align: center;">Alan Johnson Port of Harlingen Alanjohnson7@me.com</p> | <p style="text-align: center;">Mark Yates Cameron Co. Spaceport Dev. Corp Mark.yates@co.cameron.tx.us</p> | <p style="text-align: center;">Ariel Chavez III Port of Brownsville achavez@portofbrownsville.com</p> |
| <p style="text-align: center;">Victor Barrera Port Isabel – San Benito Nav. District vbarrera@pi-isd.net</p> | <p style="text-align: center;">Jose (Joe) Escamilla Starr County skamia@aol.com</p> | |

MPO STAFF

| | | |
|--|---|--|
| <p>Andrew Canon Executive Director Acanon@rgvmpo.org</p> | <p>Luis M. Diaz Assistant Director Ldiaz@rgvmpo.org</p> | <p>Gloria G. Banda Administrative Assistant Gbanda@rgvmpo.org</p> |
| <p>Miguel Arispe GIS Specialist II Marispe@rgvmpo.org</p> | <p>Fernando Cantú GIS Specialist II Fcantu@rgvmpo.org</p> | <p>Rudy Zamora Planner II Rzamora@rgvmpo.org</p> |
| <p>Eva L. Garcia Planner III Egarcia@rgvmpo.org</p> | <p>Melany Rodriguez Planner I Mrodriguez@rgvmpo.org</p> | <p>Javier Dominguez Planner I Jdominguez@rgvmpo.org</p> |
| <p>Christopher Nelson Planner I Cnelson@rgvmpo.org</p> | <p>Juan Peña GIS Specialist I Jpena@rgvmpo.org</p> | <p>Nicholas Cousineau GIS Specialist I Ncousineau@rgvmpo.org</p> |

APPENDIX B
METROPOLITAN AREA BOUNDARY MAP



APPENDIX C

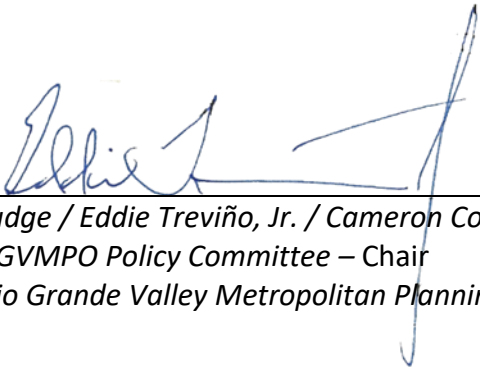
DEBARMENT CERTIFICATION

(Negotiated Contracts)

- (1) The **RGVMPO** as **CONTRACTOR** certifies to the best of its knowledge and belief that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public* transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity* with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions* terminated for cause or default.

- (2) Where the **CONTRACTOR** is unable to certify to any of the statements in this certification, such **CONTRACTOR** shall attach an explanation to this certification.

**federal, state or local*



Judge / Eddie Treviño, Jr. / Cameron County
RGVMPO Policy Committee – Chair
Rio Grande Valley Metropolitan Planning Organization

7-14-21

Date

APPENDIX D

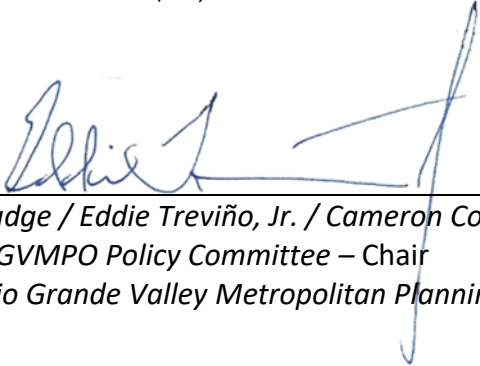
LOBBYING CERTIFICATION

CERTIFICATION FOR CONTRACTS, GRANTS,
LOANS AND COOPERATIVE AGREEMENTS

The undersigned certifies to the best of his or her knowledge and belief, that:

- (1) No federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.



 Judge / Eddie Treviño, Jr. / Cameron County
 RGVMPPO Policy Committee – Chair
 Rio Grande Valley Metropolitan Planning Organization

7-14-21

 Date

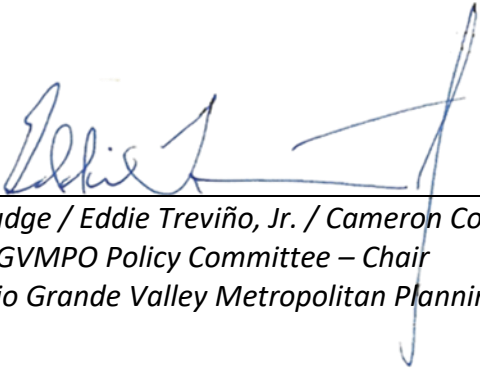
APPENDIX E

CERTIFICATION OF COMPLIANCE

I, Eddie Treviño Jr, Chairman
(Name and Position, Typed or Printed)

a duly authorized officer/representative of Rio Grande Valley Metropolitan Planning Organization,
(MPO)

do hereby certify that the contract and procurement procedures that are in effect and used by the forenamed MPO are in compliance with 2 CFR §200, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," as it may be revised or superseded.

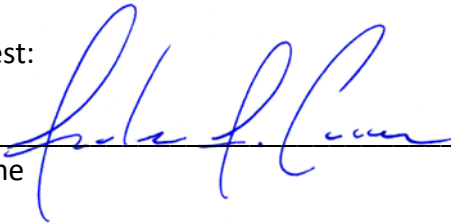


Judge / Eddie Treviño, Jr. / Cameron County
RGVMPO Policy Committee – Chair
Rio Grande Valley Metropolitan Planning Organization

7-14-21

Date

Attest:



Name

Executive Director

Title

APPENDIX F

CERTIFICATION OF INTERNAL ETHICS AND COMPLIANCE PROGRAM

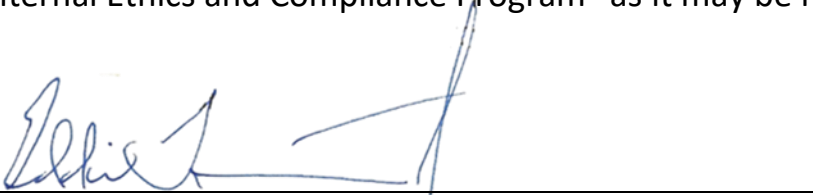
I, Eddie Treviño Jr, Chairman

(Name and Position, Typed or Printed)

a duly authorized officer/representative of Rio Grande Valley Metropolitan Planning Organization,

(MPO)

do hereby certify that the forenamed MPO has adopted and does enforce an internal ethics and compliance program that is designed to detect and prevent violations of law, including regulations and ethical standards applicable to this entity or its officers or employees and that the internal ethics and compliance program satisfies the requirements of 43 TAC § 31.39 "Required Internal Ethics and Compliance Program" and 43 TAC § 10.51 "Internal Ethics and Compliance Program" as it may be revised or superseded.

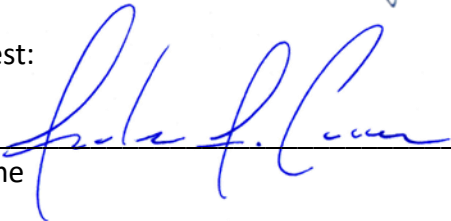


Judge / Eddie Treviño, Jr. / Cameron County
RGVMPO Policy Committee – Chair
Rio Grande Valley Metropolitan Planning Organization

7-14-21

Date

Attest:



Name

Executive Director

Title