

## CONSULTANT SELECTION DESCRIPTION

### **PROJECT TITLE: RGVMPPO Comprehensive Sustainability and Resilience Analyses for Metropolitan Planning Organizations**

#### **Scope of Services**

This approach provides the MPO with both a resource vulnerability assessment and recommended strategies that can be integrated into project prioritization, encouraging more sustainable strategies in approaching mobility solutions. The resulting report will outline the methodology used to develop a scalable framework that allows the MPO to leverage existing processes to analyze sustainability and resilience using existing processes moving forward.

The resilience of a region within this context is affected by the diversity (or redundancy) of the assets supporting resistance to insolvency from identified stressors. The sustainability of a region in this context is affected by the balance of consumption vs repletion of assets. Mechanisms affecting resilience at the regional level are multivariate and the depth, scale, and level of detail of the analysis pursued should be gauged by budget and time. The sustainability and resilience analysis, which spans beyond just roadway infrastructure provides mid-sized MPO regions with a framework and tools to develop a more resilient community and a reliable approach to transportation systems as an agent of sustainability.

#### **Task 1: Project Administration and Coordination**

- Project Management Plan, including communication and QA/QC plan
- Monthly progress reports
- Monthly billing invoices and supporting documentation
- Schedule for project completion and review

#### **Task 2: Asset Identification and Review**

- Review existing planning documents and policies
- Develop a vision, goals and recommendations for improvements
- Conduct comprehensive multimodal transportation system assessment
- Analyze impacts on transportation system

#### **Task 3: Regional Risk Profile and Stressors Analysis**

- Generate risk profile with relation to floods, hurricanes, earthquakes, soil conditions, heat, land use, housing, and social stressors
- Identify impacts to study area from growth (as a stressor)
- Conduct an Equity Analysis

#### **Task 4: Public Participation and Stakeholder Engagement**

- Engage MPO staff, planning partners, stakeholders, and community to provide insight and feedback on recommendations
- SWOT Analysis Workshop
- Develop and implement Public Participation Plan, including bilingual content

- Variety of Public Involvement methods to maximize participation: face-to-face meetings, surveys, community events, online engagement
- Identify key stakeholders (MPO staff, TxDOT officials, local government officials, and community leaders)
- Host public meetings to identify resources, assets, risks, stressors; along with provide findings and outcomes of analysis

#### **Task 5: Recommendations and Strategies Development**

- Analyze causes of duress (acute and chronic) and the community's ability to withstand these stressors
- Provide strategies and recommendations to build resilience and mitigate risk
- Identify investment opportunities for transportation infrastructure
- Generate regional resilience plan that includes policies, programs and projects

#### **Task 6: Prioritization Methods and Impact Assessment**

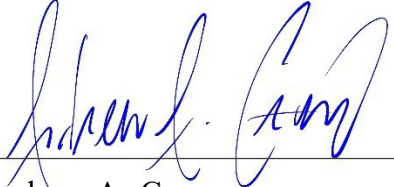
- Lead workshop with project stakeholders to develop qualitative and quantitative project evaluation criteria
- Present findings from risk profile and equity analysis, identify solutions for sustainability

#### **Task 7: Report Preparation**

- Develop Plan branding and report contents
- Provide draft plan for review by public, stakeholders, and policy makers
- Incorporation of comments to final Plan document
- Generate Executive Summary brochure to document final recommendations and planning process

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Evaluation Performed  
November 29, 2022



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