

SCOPE OF SERVICES
Regional Transportation Resilience Analysis
RPC Task A-2.19; FY-19 UPWP

Purpose and Objectives

This project will inventory and summarize existing plans, studies and analyses related to the physical resilience and vulnerability of the transportation system. From this data driven inventory, a gap analysis will identify unmet needs in the identification, documentation and analysis of the transportation system's physical resilience and vulnerability. The gap analysis will inform a prioritized list of next steps for the RPC and other agencies to more comprehensively consider resilience in regional transportation planning, including the identification of potential funding sources. The project will result in a series of actionable tasks and policy recommendations that they RPC can use to (1) incorporate resilience into plans, studies and programs; (2) identify and implement stand-alone, resilience-specific projects; and (3) identify and implement components of other, non-resilience-specific projects that will enhance their resilience.

SCOPE OF SERVICES

Project Management Committee

The project shall be guided by a Project Management Committee (PMC) including but not limited to representatives from: the Regional Planning Commission; Louisiana Department of Transportation and Development; The Office of Community Development Disaster Recovery Unit; The Coastal Protection Restoration Authority; the Army Corps of Engineers; the Governor's Office of Homeland Security and Emergency Preparedness; and agencies responsible for the construction and operation of major transportation modes in the region.

Outside of Official PMC meetings the Project team may find it necessary to conduct additional stakeholder interviews with individual agencies while conducting the gap analysis.

The consultant shall be responsible for convening and facilitating PMC meetings, including scheduling, sending invitations, developing agendas, creating presentations, and keeping meeting minutes. The PMC shall meet at least three (3) times during the project period.

Task 1: Review of Existing Knowledge

The consultant will review and summarize all plans, studies and analyses related to the physical resilience and vulnerability of the region's transportation system. Such plans, studies and analyses shall include, but not be limited to, those completed by federal, state, regional and local agencies such as the Army Corps of Engineers, FEMA, CPRA, LTRC, and the Office of Community Development, the Governor's Office of Homeland Security and Emergency Management, Parish and City plans and or policies. The review shall consider all hazards that may damage the transportation network in the short- or long-terms, including but not limited to flooding and other water-related hazards; wind; seismic conditions and faults; climate change; man-made disasters and threats; and land changes such as erosion and subsidence. For the purposes of this project the transportation system shall be defined as all federal-aid

eligible roadways, non-motorized transportation networks, transit systems, and freight and passenger facilities within the New Orleans Metropolitan Planning Areas (MPA).

The consultant will also consult with federal, state, regional, and local agencies to identify and document stakeholder knowledge about vulnerability and resilience in their respective jurisdictions. Consultation shall include but not be limited to parish and municipal governments, state agencies with assets in the region, law enforcement, first responders, and federal regulating agencies.

Results of Task 1 will be compiled in a single report describing the scope, recommendations, and results of each source reviewed. An additional section of the report will describe the major themes, topics, and overall direction of existing resilience work as it relates to transportation infrastructure.

Task 2: Gap Analysis

Following the review of plans, studies and analyses the consultant will identify critical gaps in the existing regional knowledge-base. The consultant shall describe any analysis needed to further define the resilience and vulnerability of specific geographic areas; corridors; transportation modes; populations; and critical infrastructure. The gap analysis will also describe the types of vulnerabilities that should be further analyzed in future efforts.

Task 3: Programmatic Recommendations

The goal of Task 3 is to outline the ways in which the RPC can incorporate resilience into its overall planning process and develop a resilience planning program that complements its ongoing work. This Task will consist of four subtasks: RPC Next Steps; Inter-Agency Coordination; Best Practices; and Funding. It is of critical importance that all recommendations in Task 3 consist of actionable items the RPC can either directly implement or advance implementation through coordination with other agencies.

Task 3A, RPC Next Steps: The consultant shall develop a prioritized list of next steps that may be used to direct the future efforts of the RPC and other agencies as they relate to transportation infrastructure resilience. Next steps shall focus on needed analyses, studies, policies and plans. They may include specific project recommendations where appropriate, or suggest community education and outreach programs. Particular emphasis shall be placed on identifying those tasks which fall within the RPC's organizational mission as a regional planning agency.

Task 3B, Inter-Agency Coordination: This portion of the project will identify opportunities for coordination between the RPC and other agencies. It is expected that this project will define areas in which the RPC's work can be appropriately linked to ongoing or planned resilience activities. This project will specifically identify agencies, programs and/or projects that would benefit from greater collaboration with the RPC. Similarly this project will identify work that the RPC may initiate on its own that would complement or enhance the work of other agencies, programs and/or projects.

Task 3C, Best Practices: Task 3C will identify national and international best practices for incorporating resilience into regional transportation planning. This section will emphasize how best practices can be successfully implemented in the New Orleans metropolitan region.

Task 3D, Funding: The final section of Task 3 will identify potential funding sources for both planning and project implementation. Funding sources will include those to be used by the RPC as well as those that may be used by local governments on a stand-alone basis or as a match to RPC funds.

DELIVERABLES

- Final report detailing knowledge review, gap analysis and next steps.

PROJECT TIMELINE

Eight Months (8) months

COMPENSATION

\$50,000