



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

September 6, 2017
AGENDA ITEM #5

Approve funding for general engineering consulting services to provide oversight for the Manor Expressway (290E) Project

Strategic Plan Relevance: Regional Mobility
Department: Engineering
Contact: Justin Word, P.E., Director of Engineering
Associated Costs: \$500,000.00 (not to exceed)
Funding Source: Manor Expressway (290E) Phase III Project
Action Requested: Consider and act on draft resolution

Summary:

This Supplemental Work Authorization will allow continuation of GEC support services related to the development of the Project. Services shall continue until a construction letting currently planned for early 2018. Proposed services will include the following:

1. Design Oversight Services - Continuation of the oversight of the final design of the direct connectors. Services shall consist of project management and oversight of the Mobility Authority's design consultant.
2. Support application for TIFIA funding - During the project development, it was decided to pursue TIFIA funding for the Project. Services shall consist of coordination with financial advisors and TIFIA, development of TIFIA letter of interest, and support of the application process.
3. Procurement of Construction Engineering and Inspection (CE&I) consultant- Services shall consist of development of request for qualifications, scope of work, and contract, coordination with TxDOT, and management of the procurement process.

Backup Provided: Draft Resolution
Draft Scope of Services

**GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 17-0XX

**APPROVE FUNDING FOR GENERAL ENGINEERING CONSULTING
SERVICES TO PROVIDE OVERSIGHT FOR THE
MANOR EXPRESSWAY (290E) PROJECT**

WHEREAS, the Board has previously authorized the Mobility Authority's general engineering consultants to provide support services on the Manor Expressway (290E) Project (the "Project") under Work Authorization No. 1 and Supplement Nos. 1, 2, 3, 4, 5 and 6 which were approved pursuant to Resolution Nos. 09-77, 09-84, 10-70, 11-036, 14-066, 15-042 and 15-090, respectively; and

WHEREAS, Work Authorization No. 1 and Supplement Nos. 1-6 contemplate general engineering consultant services through March 2017; and

WHEREAS, the Executive Director has determined that additional general engineering consultant services will be required for the further development of the Project including the continuation of design oversight, support for Transportation Infrastructure Finance and Innovation Act ("TIFIA") funding, and support for the procurement of a consultant to provide construction engineering and inspection services; and

WHEREAS, the Executive Director estimates the reasonable fees associated with these additional general engineering consultant services to be in an amount not to exceed \$500,000.00; and

WHEREAS, the Executive recommends the Board approve the expenditure of up to \$500,000.00 for additional general engineering consultant services for the Project.

NOW THEREFORE, BE IT RESOLVED that the Board approves the expenditure of an amount not to exceed \$500,000.00 for additional general engineering consultant services for the Manor Expressway (290E) Project.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 6th day of September 2017.

Submitted and reviewed by:

Approved:

Geoffrey Petrov, General Counsel

Ray A. Wilkerson
Chairman, Board of Directors

DRAFT SCOPE OF SERVICES TO BE PROVIDED BY THE GEC

290E (MANOR EXPRESSWAY PROJECT)

1.0 290E/SH 130 Direct Connectors Design Oversight Services

1.1 Project Management and Administration

The GEC shall support the Mobility Authority in the management of a final design consultant including but not limited to:

- a. Track and report on project progress and issues in a timely manner.
- b. Prepare a detailed project schedule that consists of tasks, subtasks, critical dates, milestones, deliverables, and design reviews.
- c. Maintain records and files related to the project throughout the duration of the services. Transfer project files to the Mobility Authority upon completion of work or as directed by the Mobility Authority.
- d. Respond to project related questions
- e. Review progress reports and invoices
- f. Document processes and procedures.
- g. Coordinate and review communications and submittals
- h. Facilitate project meetings to assess progress, schedule, and quality of services being provided, as well as identify issues. The GEC will also participate in regular staff meetings, client meetings, and executive management meetings as needed. Prepare meeting minutes.

1.2 Review Design Reports, Layouts, and Preliminary Plans

The GEC will review plans and reports submitted by the Mobility Authority's design consultant at the direction of the Mobility Authority. Including, but not limited to:

- a. Geotechnical reports
- b. Bridge and retaining wall layouts
- c. Pavement design
- d. Design summary report
- e. Preliminary plan and profile sheets, typical sections, and cross sections
- f. Hydraulic reports, drainage designs, water quality designs, detention design
- g. Utility layouts/SUE
- h. Traffic control phasing
- i. ITS, Tolling, and Signing layouts

1.3 Review PS&E Plans

The GEC will review Plans, Specifications, and Estimates (PS&E) submitted by the Mobility Authority's design consultant at the direction of the Mobility Authority. Including by not limited to:

- a. 90% and 100% Plan Set

- b. Specification list
- c. Quantity and Cost Estimates

1.4 CE&I Procurement

The GEC shall support the Mobility Authority in the procurement of a construction engineering and inspection consultant including but not limited to:

- a. Advertisement of the procurement
- b. Developing the contract, scope of work, and request for proposal
- c. Developing a scoring criteria and assisting with the assessment of proposals
- d. Assisting the Mobility Authority in negotiating with the selected consultant
- e. Developing all required Board materials to facilitate the execution of a contract

1.5 Bidding Support

Finalize letting documents and support bidding and award of construction contractor. Upon completion of PS&E documents, the GEC will support the Mobility Authority in its efforts to issue bidding documents, review bids, prepare Board materials, and award and enter into a contract for the construction of the Project.

1.6 Toll Systems/Facilities Design

The GEC will coordinate design activities between the Mobility Authority's toll system integrator and final design consultant as necessary.

1.7 Financial Planning Support

The GEC will support the Mobility Authority in financial planning related activities, including but not limited to:

- a. Operation, Maintenance, and Renewal and Replacement Estimate updates
- b. Project Cost Estimate Updates
- c. Toll Feasibility Analysis Updates
- d. Financial Advisor Support/Financial Plan Development

1.8 Project Development Support. The GEC will support the Mobility Authority in project development related activities, including but not limited to:

- a. Loan and/or grant applications
- b. Engineering and technical support
- c. Traffic modeling
- d. TxDOT and FHWA coordination
- e. T & R consultant coordination
- f. Project Development Agreement (PDA)
- g. CAMPO coordination
- h. Litigation support
- i. Utility and ROW support

1.9 Public Involvement

GEC will provide public involvement outreach support on behalf of the Mobility Authority to include but not limited to neighborhood outreach, agency and elected official outreach services as requested by the Mobility Authority.