

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

RESOLUTION NO. 06-51

WHEREAS, the Central Texas Regional Mobility Authority (“CTRMA”) was created pursuant to the request of Travis and Williamson Counties and in accordance with provisions of the Transportation Code and the petition and approval process established in 43 Tex. Admin. Code § 26.01, *et. seq.* (the “RMA Rules”); and

WHEREAS, the CTRMA identified the proposed 183-A turnpike as its initial project in the petition filed under the RMA Rules; and

WHEREAS, the CTRMA has approved various work authorizations for its General Engineering Consultant (the “GEC”) to pursue work necessary for the development of 183-A; and

WHEREAS, in Resolution No. 03-46, dated September 24, 2003, the CTRMA Board of Directors approved Work Authorization No. 3.1 concerning project office operations, administrative support, and core staff services related to project development; and

WHEREAS, in Resolutions Nos. 04-44 and 05-68, dated September 29, 2004 and September 29, 2005, the CTRMA Board of Directors approved, respectively, Supplements Nos. 1 and 2 to Work Authorization 3.1 and subsequently approved in Resolution No. 06-36 on June 28, 2006 Supplement No. 3; and

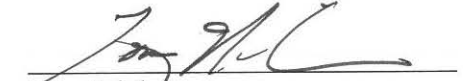
WHEREAS, the GEC has requested approval of an additional supplement to Work Authorization No. 3.1; and

WHEREAS, the GEC has represented to the Board of Directors that the work reflected in Supplement No. 4 to Work Authorization No. 3.1, attached hereto as Attachment “A”, and the cost thereof is necessary and appropriate to pursue the development of 183-A and other CTRMA turnpike projects.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors approves Supplement No. 4 to Work Authorization No. 3.1, attached hereto as Attachment “A”, provided that any work commenced under the Supplement 4 to Work Authorization No. 3.1 be subject to the Agreement for General Consulting Civil Engineering Services between the CTRMA and the GEC.

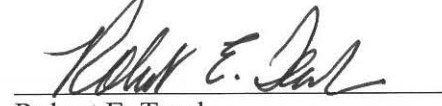
Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 27th day of September, 2006.

Submitted and reviewed by:



Tom Nielson
General Counsel for the Central
Texas Regional Mobility Authority

Approved:



Robert E. Tesch
Chairman, Board of Directors
Resolution Number 06-51
Date Passed 09/27/06

CENTRAL TEXAS RMA**DRAFT ATTACHMENT A – SCOPE OF WORK****WORK AUTHORIZATION NO. 3.1 – SUPPLEMENT NO. 4****SERVICES TO BE PROVIDED BY THE GENERAL ENGINEERING CONSULTANT (GEC)**

This scope of work includes the continuation of those professional services and associated deliverables required by the CTRMA for October 2006 through September 2007.

In summary, this scope will entail those services required to assist the Central Texas Regional Mobility Authority (CTRMA) in: meeting the Trust Indenture obligations; general engineering assistance; aid CTRMA in managing operating and maintenance contract, support in contract development and review, Systems Integrator management, communications network assistance, Subdivision Wall procurement and construction, and continuing hike & bike trail development and funding efforts.

The tasks in this scope of work will not be performed or the funds utilized until requested by the CTRMA.

1) TRUST INDENTURE OBLIGATIONS

The GEC serves as the Authority's "General Engineering Consultant" as defined and set forth in the Authority Trust Indenture, performing responsibilities of the Consulting Engineers as assigned by the Trust Indenture, the related Bond Resolutions and amending resolutions and supplemental resolutions thereto.

These responsibilities include, but are not limited to:

- a) In connection with the Authority's acquisition by condemnation, or by a means other than condemnation, of any real property or other property, provide a signed statement certifying that in the GEC's opinion the acquisition of such property is necessary or advisable in connection with the construction, operation or maintenance of the applicable project.
- b) Renewal and Replacement Fund; In conjunction with disbursement of monies held for the credit of the Renewal and Replacement Fund, review and approve payment of the cost of repairs or replacements resulting from an emergency caused by some extraordinary occurrence so characterized by a certificate stating that the monies in the Reserve Fund and insurance proceeds, if any, available therefore are insufficient to meet such emergency.

- c) In connection with the Authority's construction of any project, prepare a progress report at least once in every three (3) month period in connection with such construction including current projections with respect to:
- (1) the date on which such Project will be opened for traffic, unless such Project shall have been opened for traffic prior to the date of such report;
 - (2) the date on which the construction of such Project will be completed;
 - (3) the Cost of such Project; and
 - (4) the amount of funds required each six months during the remaining estimated period of construction to pay the Costs of the Project exclusive of funds provided for construction contingencies, and accompanied by a progress schedule for such construction, and further including, as to construction, comparisons between the actual times elapsed and the actual costs, and the original estimates of such times and costs.
- d) Reconstruction, Application of Insurance Proceeds; If any material portion of the System shall be damaged or destroyed, the Authority shall, unless the Authority determines that it would not be beneficial to the System, as expeditiously as possible, cause the reconstruction or replacement thereof to be prosecuted continuously and diligently in accordance with plans and specifications approved by the General Engineering Consultant and the Authority if such plans and specifications are deemed necessary by such General Engineering Consultant and the Authority.
- e) In connection with the issuance by the Authority's traffic engineers of a certificate regarding a proposed toll collecting plan and/or schedule of rates, issue a certificate stating the opinion of the GEC as to the amount of "Current Expenses" or similar term, as defined in the Trust Agreements, during any pertinent fiscal year or period, assuming that the proposed plan for toll collecting facilities or schedule of rates of tolls had been in effect during such pertinent fiscal year or period.
- f) Review, and provide appropriate comments and recommendations regarding the Authority's Annual Operating Budget, all as more specifically described in the Trust Agreements.
- g) Review, and provide appropriate comments and recommendations regarding the Authority's Annual Maintenance Budget, all as more specifically described in the Trust Agreements.
- h) Prepare recommendations of the amounts to be established for the Authority's Annual Capital Budget for the ensuing Fiscal Year. The Annual Capital Budget will detail the Authority's planned capital expenditures during the ensuing Fiscal Year and the portion of capital expenditures expected to be funded from the Renewal and Replacement Fund. The Annual Capital Budget for each Fiscal Year shall include the expected beginning balance in the Renewal and Replacement Fund, the amounts to be transferred by the

Trustee to the Renewal and Replacement Fund from the Revenue Fund, the amount of proceeds of Obligations expected to become available during the Fiscal Year, and the desired year-end balance in the Renewal and Replacement Fund, and shall be in the amount recommended.

- i) In connection with any notices, reports, or other instruments provided to the GEC by the Authority, the Trustee or others pursuant to the Trust Agreement, the GEC will review such notices and promptly provide the Authority with any comments.

2) GENERAL MEETINGS/ REPORTING/ ASSISTANCE

The GEC shall provide General Engineering Assistance as requested by the Authority. Tasks included under this heading consist of the following:

- a) Attendance at Authority Meetings
 - (1) HNTB's Project Manager or designated alternate will attend all Board of Directors' Meetings, and a verbal and written status report of GEC activities will be provided. The Project Manager will be available to respond to questions that may be asked by the Board.
 - (2) Attend meetings of the Committees of the Board, Board and/or staff workshops, and regularly scheduled and special staff meetings.
- b) Consult, advise, and render views on general engineering issues which may arise. It is anticipated that this will be approximately an eight hour per month level of effort. Significant efforts would be considered Miscellaneous Assignments as an additional service to the CTRMA under separate Work Authorization.
- c) Representing the Authority at regional meetings task teams, Authority technical and staff meetings, agency coordination meetings, Technical Work Group meetings with TxDOT and/or other parties, and Capitol Area Metropolitan Planning Organization (CAMPO) meetings, and other meetings of governmental or quasi-governmental bodies, as requested by the Authority.
- d) Representing the Authority before civic, charitable, homeowners' or similar groups which request a speaker to discuss the Authority's planned or ongoing activities, as requested by the Authority.
- e) Generating slides, graphs, photographs, charts, computer or audio/visual presentations, or other presentation aides for the Authority, together with papers, reports, and similar items.
- f) Provide Authority engineering personnel with design/drafting assistance, as requested.

- g) Review and comment, as requested, on Studies, Reports, Construction Documents, Permit Applications, and Environmental Documents for projects which may, as determined by Authority, affect the Turnpike System.
- h) Apprise the Authority's staff, consultants and/or Board of Directors of recent or innovative developments, trends or significant issues regarding turnpike design, financing or operation that may be applicable to the Authority.

3) MAINTENANCE AND FACILITY OPERATIONS IMPLEMENTATION

- a) Working in concert with the Authority's Director of Operations, aid in the implementation and management of the roadway and facility maintenance on the Turnpike System. The basic tasks developed for the initial phase of the implementation of the Maintenance Plan for the CTRMA 183-A Project consist of the following:
 - i) Continue to provide support to CTRMA in the development of Interlocal agreements with local agencies and the State.
 - ii) Complete and update an estimate of the quantities of the systems basic features and components.
 - iii) Assist the CTRMA in the solicitation and execution of contracts for performance of selected maintenance activities by private contractors as may be determined appropriate by the Authority.
 - iv) Assist the CTRMA in managing the maintenance agreements/ contracts after facility opens to traffic.
- b) Working in concert with the Authority's Director of Operations, aid in the implementation and management of facility operations activities on the Turnpike System, including toll collection operations, traffic control, traffic enforcement and incident management. The basis tasks developed for the initial phase of the implementation of the Operations Plan for the CTRMA 183A Project consists of the following:
 - i) Continue to provide support to CTRMA in finalizing interagency agreements, as requested, and assist the CTRMA in negotiations for the performance of selected roadway operations activities under agreements with other state or local agencies and/or contracted services with private contractors.
 - ii) Develop emergency contingency plans.
 - iii) Assist the CTRMA in the solicitation and execution of contracts for performance of toll collection operations activities by private contractors as may be determined appropriate by the Authority.
 - iv) Assist the CTRMA in the management of operations activities as requested.

4) CONTRACT SUPPORT

The GEC shall provide support for the acquisition by the Authority of (1) professional services as defined in Section 2254.001 of the Texas Government Code, or any successor statute thereto, relative to the acquisition of architecture, professional engineering, and land surveying, (2) real estate appraisal, negotiation and other right-of-way services, (3) toll collection operations, (4) roadway and facility maintenance services, (5) incident management services, (6) safety and enforcement services, and (7) other contractual services in support of bringing the 183A project to operation-ready status. Upon proper authorization, the GEC shall assist the authority in:

a) Safety and enforcement services

The GEC will assist CTRMA in the meetings, discussions, and negotiations concerning safety and enforcement services of the 183A facility. In regard to this task, the GEC will:

- (1) Assist CTRMA as requested including attending meetings, reviewing documents, in relation to the safety and enforcement procurement.

5) TECHNOLOGY AND OPERATIONS OVERSIGHT AND CONSULTING SERVICES

The GEC will continue to assist the Authority in the general and administrative oversight, requirements and document development, toll collection system testing, project management, electronic data management and general technology assistance. This includes creating and reviewing various documents, scheduling and attending all necessary meetings and technical reviews, providing cost control, project coordination, and providing direct support for testing and reporting. Furthermore, the GEC will provide all technical review and oversight of all work products and submittals for the design and development of the toll collection system for CTRMA. In regard to this task, the GEC will:

- a) **General and Administrative Oversight:** Review, comment and resolve issues with Caseta deliverables; attend technical reviews; attend coordination meetings with HCC, Caseta and TTA; provide software development oversight; provide technical expertise to review Caseta's product and progress specific to Caseta's overall systems implementation.
- b) **Project Management:** Review Developer and System Integrator schedule as it applies to the implementation of the toll collection system; organizing and attending applicable meetings; review Caseta progress reports; review, track, negotiate and recommend payment of SI invoices; provide routine inventory inspections; create and review and both owner and SI initiated change orders; manage the maintain an internal project cost control system to process and track Caseta's costs; monthly progress reports will include

a series of narrative descriptions and graphs detailing tasks accomplished issues of concern, schedule status, budget status, and future activities. Prior to submittal of this information to the CTRMA, and progress reports. This final review will be conducted by the GEC Project Manager and the Project Engineer responsible for project controls; the final acceptance will be documented on the CTMRA Certification cover sheet prior to submittal to the CTRMA.

- c) **Requirements and Document Development:** Develop requirements documents as requested (e.g., Business rules and policy documents; Caseta transaction processing, Caseta violation processing, test plans, test scripts). Develop other documents as requested (e.g., courts presentation).
- d) **Testing and Reporting:** Provide support for testing of TTA and other peer agency interfaces; provide direct support for prototype, commissioning and operational testing of toll collection system; provide whatever direct and indirect support is necessary to assist CTRMA, Caseta and RapidTolls in completing the required testing; provide direct support at the temporary low-speed test site.
- e) **Electronic Data Management System:** to track all correspondence, submittals, RFI's, schedules and other relative information. The GEC will provide ProCIMS hardware and software and personnel to maintain the system to support this task
- f) **General Technology Assistance:** Provide general technology assistance as requested by the CTRMA.
- g) **Communications and network implementation:** The GEC will support the CTRMA in implementing a toll collection facility communication network between various toll 183A, the CTRMA Administrative Offices, CTRMA Field Operations Building(s), the Customer Service Center (CSC) and the Violation Processing Center (VPC). And continue coordination with TxDOT to finalize an Interlocal Agreement for shared use of existing communication duct banks.

6) ENVIROMENTAL SUPPORT

The GEC will support the CTRMA, as requested, by providing environmental expertise. Tasks may include; attending meetings, conducting historic and environmental research, coordinating with resource agencies, developing exhibits, producing reports, and conducting field visits.

7) SHARED USE PATH – DESIGN & PROCUREMENT

The GEC will produce plans, specifications and estimates for the construction of a shared use path from Brushy Creek Road to FM 1431. This effort will include the following tasks:

- a) **Meetings and Coordination:** The GEC will meet with coordinate with region governments and organizations (including Cities, Counties, MUD, HOAs, &MPOs) in the design process.

- b) Plan and Specification Development: The GEC will develop plans and specifications suitable for bidding. Status sets will be submitted to CTRMA for review at the 30%, 60% and 90% stage.
- c) Estimate Development: The GEC will update the cost estimate with each plan submittal review.
- d) Environmental Document Prep
- e) Bid document preparation and selection: The GEC will develop the bidding documents to be used in procurement of a contractor. The GEC will support the CTRMA and the City of Cedar Park in the advertising and selection process.

8) PUBLIC INVOLVMENT & COMMUNITY RELATIONS

The GEC will provide public involvement and communications support for the construction related communications and opening of the 183A turnpike. The GEC will assist with arrangements for the public meetings and presentations and public involvement related activities.

Public Involvement and Outreach Activities

The GEC will assist with stakeholder meetings and will make all formal presentations at these meetings at the request of the client. The GEC will meet with stakeholders during the construction of 183A as directed by the Mobility Authority. It is anticipated that the project stakeholders will include neighborhood associations, business groups, civic organizations, and area public officials.

1. Exhibits for stakeholder meetings including handouts, flyers, maps and poster
2. Prepare for stakeholder meetings including facility locations, issue identification, research, coordination with client and staff
3. Attend and conduct stakeholder and neighborhood meetings including set up, on site assistance and follow up
4. Conduct outreach activities as requested by client, including phone calls, follow ups, informational research and interaction with the public
5. Prepare meeting minutes and meeting summaries of stakeholder meetings

Opening Day Activities

The GEC will also support the opening of 183A through communications and public involvement activities. These activities will include:

1. Planning and support for marketing activities related to Opening Day
2. Consumer Survey and Attitude Tracking including the development and implementation of survey tools

3. Opening Day support activities including coordination, planning, on site assistance
4. Database development and coordination including compiling and updating existing 183A databases

Animation and Graphics Support

The GEC will also assist with animation, graphics and audio visual support as requested by client

1. Brochures, Informational Pieces, Presentation
2. Audio Visual Production

DELIVERABLES:

- Correspondence for the CTRMA
- Certification of invoices and progress reports
- Reports, exhibits, presentations, and whitepapers as requested
- Documents associated with the CTRMA Board meetings
- Documents associated with the CTRMA Committee meetings
- Documents associated with the CTRMA Staff status meetings
- Monthly invoices
- Monthly progress reports
- EDMS document filing access
- PS&E for Shared Use Path
- Preliminary and Final drafts of mentioned proposals, reports, plans and applications
- Public Meeting Minutes and Summary
- Public Involvement/Public Relations Materials
- Updated 183A Database

Task	Fee
Trust Indenture Obligations	\$71,718
General Meetings/ Reporting/ Assistance	\$380,443
O&M Implementation	\$131,868
Contract Support	\$28,794
Technology and Operations Oversight	\$459,161
Environmental Support	\$87,848
Shared Use path	\$153,098
Public Involvement and Outreach Activities	\$203,631
DRAFT TOTAL	\$1,516,561

Manhours						
A <i>Principal</i>	B1 <i>Technology Expert</i>	B <i>Dep PM</i>	C <i>Senior Project Engineer</i>	D <i>Project Engineer</i>	E <i>Technician</i>	F <i>Project Administrator</i>
86	0	150	0	184	0	0
368	0	512	150	800	300	380
92	0	272	0	480	0	0
40	0	60	0	60	0	0
0	408	1227	610	0	150	0
0	0	52	40	0	441	316
54	0	275	0	545	230	0
0	0	0	587	550	189	0
640	408	2548	1387	2619	1310	696

Total Labor & Overhead

\$ 127,553 \$ 81,315 \$ 417,826 \$ 192,452 \$ 277,503 \$ 105,756 \$ 56,188

Direct Expenses	Cost
Trust Indenture Obligations	\$ 1,300
General Meetings/ Reporting/ Assistance	\$ 15,000
O&M Implementation	\$ 1,000
Contract Support	\$ 1,000
Technology and Operations Oversight	\$ 23,000
Environmental Support	\$ 1,380
Shared Use path	\$ 1,100
Public Involvement and Outreach Activities	\$ 25,400
Total Direct Expenses	\$ 69,180
Total Labor & Overhead	\$ 1,258,592
Total Direct Expenses	\$ 69,180
Subtotal Project Costs	\$ 1,327,772
15.00% Project Profit	\$ 188,789
Total	\$ 1,516,561

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