

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

**RESOLUTION NO. 05-68**

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 Resolution No. 04-44, dated September 29, 2004, the CTRMA Board of Directors approved Supplement No. 1 to Work Authorization 3.1; 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. 2 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.

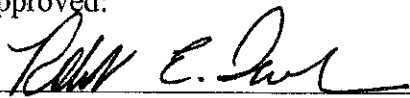
NOW THEREFORE, BE IT RESOLVED, that the Board of Directors approves Supplement No. 2 to Work Authorization No. 3.1, attached hereto as Attachment "A", provided that any work commenced under the Supplement to Work Authorization No. 3.1 be subject to the Agreement for General Consulting Civil Engineering Services between the CTRMA and the GEC.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 28th day of September, 2005.

Submitted and reviewed by:

  
\_\_\_\_\_  
C. Brian Cassidy  
General Counsel for the Central  
Texas Regional Mobility Authority

Approved:

  
\_\_\_\_\_  
Robert E. Tesch  
Chairman, Board of Directors  
Resolution Number 05-68  
Date Passed 09/28/05

**CENTRAL TEXAS RMA****ATTACHMENT A – SCOPE OF WORK- DRAFT****WORK AUTHORIZATION NO. 3.1 – SUPPLEMENT NO. 2****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 2005 through September 2006.

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; developing operating and maintenance plan, contract support, Caseta management, business rules and policies, communications network assistance, and hike & bike trail development and funding efforts.

**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/ PUBLIC INVOLVEMENT/ REPORTING/ ASSISTANCE**

The GEC shall provide General Engineering Assistance as requested by the Authority. Tasks included under this heading include 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 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.
- c) Generating draft and final text and graphics for the CTRMA's Strategic Plan and Annual Report.
- d) 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.
- e) 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.
- f) Generating slides, graphs, photographs, charts, computer or audio/visual presentations, or other presentation aides for the Authority, together with papers, reports, news releases and similar items.
- g) Provide Authority engineering personnel with design/drafting assistance, as requested.
- h) 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.

- i) 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.
- j) HNTB will provide the wide range of engineering services required by the CTRMA for various miscellaneous assignments. HNTB keeps abreast of new products and technologies through toll industry conferences and seminars, toll industry publications, manufacturer's presentations, and experience with many other highway and bridge projects throughout the country, particularly as general consultant to other toll road and bridge authorities and as an active member of IBTTA. With the resources and composition of the project team, HNTB is prepared to assist the CTRMA with any engineering assignment.

Expenses for this task include the rental of office space to cover remaining sublease costs and communication and production equipment necessary to continue operations at 13640 Briarwick until the office space is no longer occupied by CTRMA personnel.

### **3) MAINTENANCE AND FACILITY OPERATIONS PLAN**

- a) Working in concert with the Authority's Director of Operations, evaluate the various alternative strategies for accomplishing roadway and facility maintenance on the Turnpike System, and prepare a brief summary report documenting the alternatives for consideration and recommendation for implementation. The basis tasks developed for the initial phase of the implementation of the Maintenance Plan for the CTRMA 183-A Project consists of the following:
  - i) Establish the basic objectives of the initial phase of the Maintenance Plan.
  - ii) Meet with CTRMA staff to develop alternative practical approaches for the phased implementation of a Maintenance Plan.
  - iii) Prepare a system map which outlines the Turnpike facilities and delineate the approximate limits of the various jurisdictions which the facility crosses.
  - iv) Develop and define a list of basic maintenance activities for the 183-A Turnpike, and prepare a preliminary estimate of the quantities of the systems basic features and components.
  - v) Research current practices of the ongoing maintenance activities in the region to establish a basic understanding of current practices and procedures for performing maintenance functions.
  - vi) Analyze the results of the survey to categorize the range of maintenance activities and establish a basic logic for the development of a schedule of programmed activities, together with detailed Specifications and Maintenance Performance Criteria.
  - vii) Prepare drafts of interagency agreements, as requested, and assist the CTRMA in negotiations for the performance of selected maintenance activities under agreements with other state or local agencies.

- viii) 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.
  
- b) Working in concert with the Authority's Director of Operations, evaluate the various alternative strategies for accomplishing the various roadway and facility operations activities on the Turnpike System, including toll collection operations, traffic control, traffic enforcement and incident management. Prepare a brief summary report documenting the alternatives for considerations and recommendations for implementation. The basis tasks developed for the initial phase of the implementation of the Maintenance Plan for the CTRMA 183A Project consists of the following:
  - i) Provide traffic operations support to include traffic counts and signalization plans.
  - ii) Review and evaluate traffic operations for proposed maintenance of traffic plans.
  - iii) Prepare drafts of 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.
  - iv) Develop emergency contingency plans.
  - v) 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.

#### **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) CSC and VPC Contract Negotiations**

The GEC will assist CTRMA in the meetings, discussions, and negotiations with the TTA for services of the TTA CSC and VPC for CTRMA toll facilities. In regard to this task, the GEC will:

- (1) Attend meetings and negotiation sessions with CTRMA to assist with technical and business terms of the proposed services of the TTA CSC and VPC.
  
- (2) Provide review and professional technical opinion for the contract requirements for the CSC and VPC.

- (3) Assist in the development and implementation of an “Interoperability Agreement” with TTA and certification of interoperability during implementation of the CTRMA toll system.

b) Toll Collection Operations and Facility (Toll Plaza) Maintenance

The GEC will assist CTRMA in the procurement of toll collection services, toll plaza operations services, and facility maintenance services for the 183A project. In regard to this task, the GEC will:

- (1) Develop a Request for Proposals (RFP) for toll collection services, toll plaza operations services, and facility maintenance services for the 183A project.
- (2) Assist CTRMA during the advertisement process with questions and clarifications.
- (3) Assist CTRMA in review and evaluation of proposals.
- (4) Assist CTRMA in contract negotiations and initial activities of the selected contractor.

c) FCC License(s)

The GEC will prepare the applications and follow-up during the process on behalf of CTRMA to obtain appropriate licenses for the electronic toll equipment to be installed in the field for the 183A project.

d) Banking/Armored Car Services

The GEC will assist CTRMA in the procurement of banking services and armored car services for the 183A project. In regard to this task, the GEC will:

- (1) Develop a Request for Proposals (RFP) for banking and armored car services for the 183A project.
- (2) Assist CTRMA during the advertisement process with questions and clarifications.
- (3) Assist CTRMA in review and evaluation of proposals.
- (4) Assist CTRMA in contract negotiations and initial activities of the selected contractor.

e) Police Services

The GEC will assist CTRMA in the procurement of police services for the 183A project. In regard to this task, the GEC will:

- (1) Develop a Request for Proposals (RFP) or participate in direct contract negotiations for police maintenance services.



- (2) Assist CTRMA during the advertisement process with questions and clarifications.
  - (3) Assist CTRMA in review and evaluation of proposals.
- f) Toll Audit Staff
- The GEC will assist CTRMA in the development of position descriptions and hiring of toll audit staff for CTRMA toll operations.

## 5) MANAGEMENT AND ADMINISTRATION OF CASETA TECHNOLOGIES

The GEC will assist the Authority in the project management and administrative oversight of Caseta, the toll collection system contractor, as requested by the CTRMA, including management, coordination, project meetings, administration, cost control, 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. Efforts specific to 183A CDA oversight (such as gantry design and toll plaza integration oversight) are not included in this task. In regard to this task, the GEC will:

- a) Aid CTRMA in daily management and oversight of Caseta and provide technical expertise to review Caseta's product and progress specific to Caseta's overall systems implementation.
- b) 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, the GEC will also perform a review and acceptance of Caseta's invoices 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 CTRMA Certification cover sheet prior to submittal to the CTRMA.
- c) Manage Caseta's software development efforts and products.
- d) Hold bi-weekly review meetings to include members of the GEC, CTRMA, and Caseta staff. This meeting will be held to coordinate activities, respond to operational and design questions, and to identify critical issues to aid Caseta in meeting their scheduled submittals. Sub-tasks include meeting preparation, attendance and documentation / follow-up correspondence.
- e) Provide an Electronic Data Management System (EDMS) 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) Provide general technology assistance as requested by the CTRMA.

## **6) BUSINESS RULES AND POLICIES**

The GEC will work with CTRMA in the development and revision of the toll collection and operation business rules and policies. This document will set the operating and business parameters that will guide Caseta in the development of the toll system and will be used as the basis for the operations and procedures manuals that will be developed for the CTRMA facilities. The GEC will:

- a) Lead and coordinate the on-going update and revision of the business rules document that established the operating and business rules for CTRMA facilities.
- b) Lead and coordinate development and revision to the Customer Service Center (CSC) and Violation Processing Center (VPC) policies for CTRMA. These policies will be used in conjunction with the Texas Turnpike Authority (TTA) meetings and negotiations for the CSC and VPC services that are anticipated to be utilized by CTRMA.

## **7) COMMUNICATIONS AND NETWORK ARCHITECTURE NEEDS ASSESSMENT AND IMPLEMENTATION PLAN**

HNTB will provide the Central Texas Regional Mobility Authority (CTRMA) with a needs assessment and implementation plan outlining the current and future voice, video and data communications requirements of the organization. The GEC will develop an interim and long range plan for the CTRMA toll collection facility communication network that is extensible, reliable, secure and cost effective. The GEC will also provide the CTRMA with an implementation plan outlining a phased deployment based upon the results of the aforementioned needs assessment and regional coordination activities.

- a) The identification of options to provide communication between various toll facilities on the CTRMA Turnpike System, the CTRMA Administrative Offices, CTRMA Field Operations Building(s), the Customer Service Center (CSC) and the Violation Processing Center (VPC). These options will be based on generally accepted communication network principles and standards using commercial-off-the-shelf hardware and designs. The system will use existing and shared communication facilities and infrastructure, while maintaining a secure communication network environment.
- b) Coordination with internal stakeholders and regional agencies and authorities to identify opportunities to leverage existing infrastructure(s) to meet the CTRMA Turnpike System's immediate and long-term goals and requirements.
- c) The identification and assessment of current and existing communications infrastructure(s) located throughout the region and maintained by state, counties, municipalities, and commercial providers, etc.

- d) Identify and recommend communication technologies based upon the current and projected requirements of the CTRMA.
- e) Coordination with the existing ETC contractor to identify toll-collection communications requirements based upon projected system composition and functionality.
- f) The identification of near-term and projected communications requirements based upon anticipated project construction and roadway operation dates.
- g) The identification of opportunities to incorporate communication and ITS planning and design efforts within current and projected roadway design initiatives.
- h) Provide the CTRMA with an assessment of the required network architecture, including required LAN / WAN communications equipment necessary to support ongoing toll collection and business operations.
- i) Provide a phased implementation plan addressing the short-term and projected requirements of the CTRMA. This plan shall include a prioritization of recommended projects based upon interim and long-term organizational requirements, an assessment of internal and external constraints and project dependencies and an overall timeline for project implementation and resource allocation.
- j) The identification of ongoing and recurring operations and maintenance costs, if applicable.

## **8) HIKE AND BIKE TRAIL**

The GEC will provide assistance in the development and procurement of funding for a Hike and Bike trail along the 183A Turnpike corridor. This effort will include the following tasks:

- a) The GEC will meet with the cities of Leander and Cedar Park to coordinated trail head locations and route ideas. Topography and planned design will be evaluated to determine feasibility and cost.
- b) The GEC will aid the CTRMA in determining available funding sources and prepare draft documents and plans necessary to submit with applications for funding.

## **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
- Preliminary and Final drafts of mentioned proposals, reports, plans and applications

September 28, 2005

**SUMMARY**

SUPPLEMENT NO. 2

<b>Task</b>	<b>Fee</b>
<b>Trust Indenture Obligations</b>	<b>\$83,779</b>
<b>General Meetings/Reporting/ &amp; Assistance</b>	<b>\$398,273</b>
<b>O&amp;M Plan</b>	<b>\$129,291</b>
<b>Contract Support</b>	<b>\$63,028</b>
<b>Caseta Management</b>	<b>\$457,413</b>
<b>Business Rules and Policies</b>	<b>\$37,330</b>
<b>Communications &amp; Network Assessment</b>	<b>\$94,399</b>
<b>Hike and Bike</b>	<b>\$100,091</b>
<b>TOTAL</b>	<b>\$1,363,605</b>

<b>Manhours</b>						
<i>Principal</i>	<i>Dep PM</i>	<i>Senior Project Engineer</i>	<i>Project Engineer</i>	<i>Senior Admin</i>	<i>Admin</i>	
106	180	120	128	0	0	
438	672	480	456	488	160	
92	352	0	480	0	0	
72	128	136	60	0	0	
712	1432	104	196	0	156	
48	160	0	0	0	0	
40	0	400	240	32	0	
32	316	0	160	236	0	
1540	3240	1240	1720	756	316	

<b>Labor Costs</b>		\$ 107,800	\$ 194,400	\$ 62,000	\$ 61,920	\$ 22,680	\$ 6,320
<b>Overhead Costs</b>	148.79%	\$ 160,396	\$ 289,248	\$ 92,250	\$ 92,131	\$ 33,746	\$ 9,404
<b>Total Labor &amp; Overhead</b>		\$ 268,196	\$ 483,648	\$ 154,250	\$ 154,051	\$ 56,426	\$ 15,724

<b>Direct Expenses</b>	<b>Cost</b>
Trust Indenture Obligations	\$ 1,300
General Engineering Assistance	\$ 28,518
O&M Implementation	\$ 1,000
Contract Support	\$ 1,000
Caseta Management	\$ 25,000
Business Rules and Policies	\$ 250
Communications & Network Assessment	\$ 1,700
Hike and Bike	\$ 2,700
<b>Total Direct Expenses</b>	<b>\$ 61,468</b>
<b>Total Labor &amp; Overhead</b>	<b>\$ 1,132,293</b>
<b>Total Direct Expenses</b>	<b>\$ 61,468</b>
<b>Subtotal Project Costs</b>	<b>\$ 1,193,761</b>
15.00% <b>Project Profit</b>	<b>\$ 169,844</b>
<b>Total</b>	<b>\$ 1,363,605</b>

Attachment B - Fee Estimate

CTRMA GEC  
 HNTB Corporation - MANHOUR BREAKDOWN  
 September 28, 2005

CTRMA  
 WORK AUTHORIZATION NO. 3.1  
 SUPPLEMENT NO. 2

Trust Indenture Obligations	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>1.0 Trust Indenture Obligations</b>							
a Certification of property acquisition	10						10
b Renewal and Rplacement Fund review and approval	NA	NA					0
c Project Progress Reports (Quarterly) incl graphics	40	80	80	80			280
d Application of Insurance Proceeds	NA	NA					0
e Coordination on Toll Rate	8	8		8			24
f Annual Operations Budget Coordination and Review	4	16					20
g Annual Maintenace Budget Coordination and Review	4	16					20
h Annual Capital Budget Development/ recommendations	20	20	40				80
i Review notices & reports	20	40		40			100
<b>TOTAL GEC TEAM DIRECT LABOR</b>	106	180	120	128	0	0	534

Direct Expenses		Cost
Misc expenses	\$	800
Mileage	\$	500
<b>Total Direct Expenses</b>	<b>\$</b>	<b>1,300</b>
<b>Total Labor &amp; Overhead</b>	\$	71,721
<b>Total Direct Expenses</b>	\$	1,300
<b>Subtotal Project Costs</b>	\$	73,021
<b>Project Profit</b>	15.00%	\$ 10,758
<b>Total</b>	<b>\$</b>	<b>83,779</b>

Attachment B - Fee Estimate

**CTRMA GEC**  
**HNTB Corporation - MANHOUR BREAKDOWN**  
**September 28, 2005**

**CTRMA**  
**WORK AUTHORIZATION NO. 3.1**  
**SUPPLEMENT NO. 2**

	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>2 General Meetings/ Reporting/ Assistance</b>							
<b>a Attendance at Authority Meetings</b>							
CTRMA Board Meetings (12 total)	48	48		48			144
CTRMA Committee Meetings	48	48					96
CTRMA Status Meetings	52	52		52			156
<b>b Consultations (8 hrs per month)</b>	48	48					96
<b>c Assistance with Strategic Plan</b>	10		80	40	40		170
<b>d Attendance at regional meetings as requested (24 total)</b>	48	48		48			144
<b>e Support for civic and other group meetings (12)</b>	48	48		48			144
<b>f Presentation aides/ audio video, papers</b>	24		400		200		624
<b>g Drafting Assistance</b>				40	40		80
<b>h review/ comment on on documents and studies</b>	10	10		40			60
<b>i Keep staff apprised</b>	10	10					20
<b>j Services as required</b>	80	80		100			260
<b>Project Management / Administration</b>							0
Maintain internal project control system (12 months)		48					48
Prepare, review & approve monthly invoices & progress rep	12	24					36
Administer subconsultant contracts (12 months total)		208		40	208		456
Receptionist / Office Admin - 2 months						160	160
<b>TOTAL GEC TEAM DIRECT LABOR</b>	438	672	480	456	488	160	2694

Direct Expenses	Cost	
CTRMA office -3 x 5301.62	\$ 15,905	
production equipment (\$ 471/ mo for 3 months)	\$ 1,413	
Communications (\$1400/mo for 3 months)	\$ 4,200	WorldCom, Singular, Avia
Misc expenses	\$ 5,000	
Mileage	\$ 2,000	
<b>Total Direct Expenses</b>	<b>\$ 28,518</b>	
<b>Total Labor &amp; Overhead</b>	<b>\$ 321,526</b>	
<b>Total Direct Expenses</b>	<b>\$ 28,518</b>	
<b>Subtotal Project Costs</b>	<b>\$ 350,044</b>	
<b>Project Profit</b> 15.00%	<b>\$ 48,229</b>	
<b>Total</b>	<b>\$ 398,273</b>	

Attachment B - Fee Estimate

**CTRMA GEC**  
**HNTB Corporation - MANHOUR BREAKDOWN**  
**September 28, 2005**

**CTRMA**  
**WORK AUTHORIZATION NO. 3.1**  
**SUPPLEMENT NO. 2**

Maintenance and Facility Operations Plan	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>3.0 Maintenance and Facility Operation Implementation</b>							
Assist Development of Maintenance Plan	40	160		200			400
Attend meetings w/ Williamson County & TxDOT	16	16		40			72
							0
Assist Development of Facility operations Plan	20	160		200			380
Attend meetings w/ Williamson County & DPS	16	16		40			72
							0
							0
							0
<b>TOTAL GEC TEAM DIRECT LABOR</b>	92	352	0	480	0	0	924

Direct Expenses	Cost
Misc expenses	\$ 200
Mileage	\$ 800
<b>Total Direct Expenses</b>	<b>\$ 1,000</b>
<b>Total Labor &amp; Overhead</b>	\$ 111,557
<b>Total Direct Expenses</b>	\$ 1,000
<b>Subtotal Project Costs</b>	\$ 112,557
<b>Project Profit</b> 15.00%	\$ 16,734
<b>Total</b>	<b>\$ 129,291</b>



Attachment B - Fee Estimate

**CTRMA GEC**  
**HNTB Corporation - MANHOUR BREAKDOWN**  
**September 28, 2005**

**CTRMA**  
**WORK AUTHORIZATION NO. 3.1**  
**SUPPLEMENT NO. 2**

Contract Support

MANHOURS							TOTAL
A	B	C	D	E	F		

**4 Contract Support**

<b>a CSC and VPC Contract Negotiations</b>							0
1 Meetings w/ TTA	40	40					80
2 Technical Reviews		40	80				120
3 Interoperability Agreement and Certification	24	40	40				104
							0
<b>b FCC License(s)</b>							0
1 Application and process for FCC License	8	8	16	60			92
							0
							0
							0
<b>TOTAL GEC TEAM DIRECT LABOR</b>	72	128	136	60	0	0	396

**Direct Expenses**

	Cost
Misc expenses	\$ 200
Mileage	\$ 800
<b>Total Direct Expenses</b>	<b>\$ 1,000</b>

**Total Labor & Overhead**

<b>Total Labor &amp; Overhead</b>	\$ 53,938
<b>Total Direct Expenses</b>	\$ 1,000
<b>Subtotal Project Costs</b>	<b>\$ 54,938</b>
<b>Project Profit</b> 15.00%	<b>\$ 8,091</b>

<b>Total</b>	<b>\$ 63,028</b>
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Attachment B - Fee Estimate

CTRMA GEC  
 HNTB Corporation - MANHOUR BREAKDOWN  
 September 28, 2005

CTRMA  
 WORK AUTHORIZATION NO. 3.1  
 SUPPLEMENT NO. 2

Caseta management

	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>5.0 Caseta Management/ reporting</b>							
a Daily management of product and progress (4 hrs /week *2	208	208					416
b Expert Review / invoice certification (2 days per month)	192						192
c Software Development management (16hr per weekx52weeks)		832					832
d Meetings (Assume 1 /week @4 hours)	208	208					416
e EDMS- document control (3 hours per week- 2 people)				156		156	312
ProCIMS project set up (80 hr)and management (2 hrs/week)		80	104	40			224
f General Technology Assistance (2 hrs/week * 2 people)	104	104					208
<b>TOTAL GEC TEAM DIRECT LABOR</b>	<b>712</b>	<b>1432</b>	<b>104</b>	<b>196</b>	<b>0</b>	<b>156</b>	<b>2600</b>

Direct Expenses	Cost
ProCIMS-	\$ 1,500
Vendor Expertise ProCIMS	\$ 6,000
Travel	\$ 16,000
Misc expenses	\$ 500
Mileage	\$ 1,000
<b>Total Direct Expenses</b>	<b>\$ 25,000</b>
<b>Total Labor &amp; Overhead</b>	<b>\$ 376,011</b>
<b>Total Direct Expenses</b>	<b>\$ 25,000</b>
<b>Subtotal Project Costs</b>	<b>\$ 401,011</b>
<b>Project Profit</b> 15.00%	<b>\$ 56,402</b>
<b>Total</b>	<b>\$ 457,413</b>

Attachment B - Fee Estimate

**CTRMA GEC**  
**HNTB Corporation - MANHOUR BREAKDOWN**  
**September 28, 2005**

**CTRMA**  
**WORK AUTHORIZATION NO. 3.1**  
**SUPPLEMENT NO. 2**

	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>6.0 Business Rules and Policies</b>							
a Update and revision of business rules document	24	80					104
b CSC and VPC Policies	24	80					104
<b>TOTAL GEC TEAM DIRECT LABOR</b>	48	160	0	0	0	0	208

	Cost	Remarks
<b>Direct Expenses</b>		
misc expense	\$ 250	
Travel		
<b>Total Direct Expenses</b>	<b>\$ 250</b>	
<b>Total Labor &amp; Overhead</b>	\$ 32,243	
<b>Total Direct Expenses</b>	\$ 250	
<b>Subtotal Project Costs</b>	<b>\$ 32,493</b>	
<b>Project Profit</b> 15.00%	\$ 4,836	
<b>Total</b>	<b>\$ 37,330</b>	

Attachment B - Fee Estimate

CTRMA GEC HNTB Corporation - MANHOUR BREAKDOWN September 28, 2005	CTRMA WORK AUTHORIZATION NO. 3.1 SUPPLEMENT NO. 2
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Communication & Network Architecture Needs Assessment	MANHOURS						TOTAL
	A	B	C	D	E	F	
<b>7.0 Communication &amp; Network Architecture Needs Assessment</b>							
Communications and Network Needs Assessment	20		200	120	16		356
Implementation Plan	20		200	120	16		356
<b>TOTAL GEC TEAM DIRECT LABOR</b>	40	0	400	240	32	0	712

Direct Expenses	Cost	Remarks
Printing	\$ 200	
Travel	\$ 1,500	
<b>Total Direct Expenses</b>	<b>\$ 1,700</b>	
<b>Total Labor &amp; Overhead</b>	<b>\$ 80,608</b>	
<b>Total Direct Expenses</b>	<b>\$ 1,700</b>	
<b>Subtotal Project Costs</b>	<b>\$ 82,308</b>	
<b>Project Profit</b> 15.00%	<b>\$ 12,091</b>	
<b>Total</b>	<b>\$ 94,399</b>	

Attachment B - Fee Estimate

CTRMA GEC  
 HNTB Corporation - MAN-HOUR BREAKDOWN  
 September 28, 2005

CTRMA  
 WORK AUTHORIZATION NO. 3.1  
 SUPPLEMENT NO. 2

Hike and Bike Trail

MAN-HOURS						
A	B	C	D	E	F	TOTAL

**9.0 Hike and Bike Trail**

**a Development of Hike and Bike Plan**

Meetings with Leander and Cedar Park (4 meetings per city)		32			32	64
Evaluation of topography and HCC design cross sections	4	40			60	104
Determination of trail head connections and general requirement	4	40			120	164
Sub Administrative		24			24	

**b Funding Efforts**

Identify funding sources and research requirements	8	80				88
Aid CTRMA in developing proposals	8	80	80			168
Develop plans as necessary to determine costs and feasibility	8	20	80			108

<b>TOTAL GEC TEAM DIRECT LABOR</b>	32	316	0	160	236	0	696
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Direct Expenses	Cost	Remarks
Travel	\$ -	
Misc expenses	\$ 1,500	
Mileage	\$ 1,200	
<b>Total Direct Expenses</b>	<b>\$ 2,700</b>	
<b>Total Labor &amp; Overhead</b>	<b>\$ 84,688</b>	
<b>Total Direct Expenses</b>	<b>\$ 2,700</b>	
<b>Subtotal Project Costs</b>	<b>\$ 87,388</b>	
<b>Project Profit</b>	15.00% <b>\$ 12,703</b>	
<b>Total</b>	<b>\$ 100,091</b>	

Item III A #2  
GEC Work Authorization 3.1  
Sept. 28, 2005



# GEC Work Authorization

- Current 183A GEC Work Authorization ends September 29
- Supplement 2:
  - Extends current authorization to cover the next 12 months
  - Adds \$1,363,605 to cover GEC's efforts to aid CTRMA in:
    - Trust Indenture Obligations
    - General Meetings/ Reporting / Assistance
    - O&M Plan preparation and implementation
    - Contract Procurement Support
    - Systems Integrator Management
    - Business Rules and Policies Development
    - Communications & Network Assessment
    - Hike and Bike Trail planning and funding

