

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

RESOLUTION NO. 10-03

**RTG Work Authorization No. 2 for Construction Phase Services
for the 183A Northern Extension**

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 § 26.1, *et seq.* (the “RMA Rules”); and

WHEREAS, the Board of Directors of the CTRMA has been constituted in accordance with the Transportation Code and the RMA Rules; and

WHEREAS, the first phase of the CTRMA’s 183A Project was opened for use on March 3, 2007, with usage significantly above projections; and

WHEREAS, the design and construction of the 183A main lanes north from FM 1431 was anticipated to begin sometime after 2012; however, due to the success of the first phase of the 183A Project, it was determined that such efforts should be undertaken immediately regarding the extension of the main lanes from north of FM 1431 to north of RM 2243 (the “183A Northern Extension”); and

WHEREAS, in Resolution No. 08-50, dated August 27, 2008, following the issuance of a Request for Qualifications and evaluation of responses thereto in accordance with the CTRMA’s procurement policies, the Board of Directors authorized the Executive Director and CTRMA staff to negotiate and enter into an agreement with Rodriguez Transportation Group for design and engineering services for the 183A Northern Extension (the “RTG Contract”), and the RTG Contract was finalized and executed; and

WHEREAS, attached hereto and incorporated herein as Attachment “A” is Work Authorization No. 2 to the RTG Contract (“Work Authorization No. 2”) which sets forth a scope of services for construction phase services for the 183A Northern Extension; and

WHEREAS, it is necessary that the Board of Directors approve Work Authorization No. 2 and its execution by the Executive Director; and

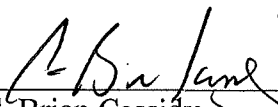
WHEREAS, HNTB, as the CTRMA’s General Engineering Consultant and the Project Manager for the 183A Northern Extension, has represented to the Board of Directors and CTRMA staff that the work reflected in Work Authorization No. 2 and the cost thereof is necessary and appropriate.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors hereby approves Work Authorization No. 2 to the RTG Contract in substantially the same form attached hereto as Attachment "A", provided that any work commenced under Work Authorization No. 2 be subject to the terms and conditions of the RTG Contract; and

BE IT FURTHER RESOLVED, that Work Authorization No. 2 may be finalized and executed by the Executive Director on behalf of the CTRMA and that Work Authorization No. 2 may be amended from time to time by written amendment as deemed necessary by the Board of Directors.

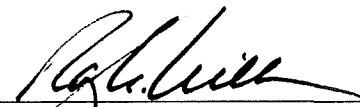
Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 27th day of January, 2010.

Submitted and reviewed by:



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

Approved:



Ray A. Wilkerson
Chairman, Board of Directors
Resolution Number 10-03
Date Passed 01/27/10

ATTACHMENT "A"
TO
RESOLUTION NO. 10-03
RTG WORK AUTHORIZATION NO. 2

**WORK AUTHORIZATION
WORK AUTHORIZATION NO. 02
CONTRACT FOR ENGINEERING SERVICES**

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 4 of the Contract for Engineering Services (the Contract) entered into by and between the Central Texas Regional Mobility Authority (the Authority) and Rodriguez Transportation Group, Inc. (the Engineer) dated **November 21, 2008**.

The following are terms and conditions of Work Authorization No. 02:

PART 1. The Engineer will perform engineering services generally described as Construction Phase Services for the 183A North Extension Project (approximate limits from RM 2243 south to FM 1431) in accordance with the project description attached hereto and made a part of this Work Authorization. The responsibilities of the Authority and the Engineer as well as the work schedule are further detailed in Exhibits A, B and C which are attached hereto and made a part of the Work Authorization.

PART II. The maximum amount payable under this Work Authorization is \$ 456,492.00 and the method of payment is Cost Plus. This amount is based upon the Engineer's estimated Work Authorization costs included in Exhibit D, Fee Schedule, which is attached and made a part of this Work Authorization.

PART III. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the appropriate sections of the Contract.

PART IV. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on May 31, 2012, unless extended by a supplemental Work Authorization as provided in Article 4 of the Contract.

PART V. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, this Work Authorization No. 2 is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER

**CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY**

(Signature)

(Signature)

Mark E. Rodriguez, P.E.
(Printed Name)

Mike Heiligenstein
(Printed Name)

President
(Title)

Executive Director
(Title)

(Date)

(Date)

LIST OF EXHIBITS

- | | |
|-----------|---|
| Exhibit A | Scope of Services to be provided by the Authority |
| Exhibit B | Scope of Services to be provided by the Engineer |
| Exhibit C | Work Schedule |
| Exhibit D | Fee Schedule/Budget |

EXHIBIT A

SERVICES TO BE PROVIDED BY THE AUTHORITY

The Authority shall perform and provide the following in a timely manner so as not to delay the Services to be provided by the Engineer:

1. Authorize the Engineer in writing to proceed.
2. Provide mutually agreed upon schedule, between the Engineer and the CTRMA, for other tasks defined in construction phase services that are not related to shop drawings.
3. Render reviews, decisions and approvals as promptly as necessary to allow for the expeditious performance of the Services to be provided by the Engineer.
4. Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed-upon work schedule.

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

The Design Consultant Engineer, herein referred to as the “Engineer”, shall be responsible for the work described in this Scope of Services.

The additional Scope of Work to be performed by the Engineer under this Supplemental Work Authorization is to provide Construction Phase Services.

The services shall be performed according to the attached schedule in Exhibit C and shall include the tasks and products more fully described in the following Task Outline.

1.19 Coordination, Meetings & Invoicing

The Engineer will participate and attend construction project workshops with specialty consultants, TxDOT, GEC and CTRMA to assist with addressing project issues, concerns, etc. as they relate to the construction project.

The Engineer shall follow invoice procedures as described in the 183A Extension Project Manual.

1.20 Construction Phase Services

The Engineer shall provide Construction Phases Services at the written request of the CTRMA project manager. The written request shall include a description of the work requested, a mutually agreed upon time limit, and any special instructions for coordination and submittal. These services shall include, but are not limited to the following:

- Review and approval of shop drawings
- Review and approval of forming details
- Responding to request for information (RFIs)
- Providing minor redesign (major redesign should be handled with a contract supplement)
- Answering general questions
- Providing clarification
- Other project related tasks in support of the CTRMA during construction
- Conduct constructability review as requested

Review and Approval of Shop Drawings

Shop drawings requiring review may include, but shall not be limited to, the following items:

Item No.	Description	Comment
403	Temporary Special Shoring	
423	Retaining Walls	
425	Prestressed Concrete Beams	
450	Railing	Curved rails mostly
454	Sealed Expansion Joints	
462	Concrete Box Culverts	Alternate designs only
464	Reinforced Concrete Pipe	(Jack and Bore only)
465	Pre-Cast Junction Boxes and Inlets	
610	Roadway Illumination Support	(Non-std only)
636	Aluminum Signs	(Non-std only)
644	Small Roadside Sign Assemblies	(Non-std only)
647	Large Roadside Sign Supports & Assemblies	(Non-std only)
650	Cantilever Sign Bridge Supports	
650	Overhead Sign Bridge Supports	
686	Traffic Signal Pole Assemblies (Steel)	(Non-std only)
SS 1000	Shared Use Path Bridges	

The following procedures shall be used for the shop drawing reviews:

1. Review the drawings for conformity to the plans, specifications, and special provisions, as well as conformity to any subsidiary standards or criteria referred to by the plans, specifications or special provisions.
2. If the drawing is found to be in conformity, or an alternate design is adequate and acceptable, the drawing shall be marked "No Exceptions Taken" with signature, date and statement that "Review is only for general conformance with the design concept of the contract documents. Markings or comments shall not be construed as relieving the contractor from compliance with the project plans and specifications, nor departures therefrom. The Contractor remains solely responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, for safety and for satisfactory performance of his work."
3. If there are only minor corrections, the incorrect information shall be crossed out and the correct information will be written next to the crossed out information. All the redlines shall be done in indelible red ink. The submittal shall be returned marked "Make Correction as Noted" and no re-submittal shall be required.
4. If the corrections are more significant and the Engineer does not concur with the

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information on the drawings, then the submittal shall be returned marked "Amend and Resubmit." The Drawings must then be resubmitted for a second review.

5. If the drawings are found not to be in conformity, the drawings shall be marked "Rejected See Remarks." An explanation of why the submittal was disapproved will be provided in enough detail for the Contractor to be able to make the corrections for re-submittal.
 6. A cover letter will be returned with the reviewed drawings containing:
 - A description of the submittal
 - The status of the submittal
 - A listing of sheet numbers and titles reviewed
 - If the design reviewed was an alternate design, a notation declaring that an alternate design was presented and what criteria were used to determine if the alternate design is adequate and acceptable
 - If the submittal was not accepted without exception, an explanation of the exceptions
- The process as identified in steps 1-6 above may be modified as directed by the CTRMA.

Review and Approval of Equipment Submittals

Equipment requiring review includes, but shall not be limited to, the following items:

Item No.	Description	Comment
610	Roadway Illumination Assemblies	(Non-std only)
680	Installation of Highway Traffic Signals	Signal Controller
682	Vehicle Signal Sections	
687	Small Roadside Sign Assemblies	
688	Large Roadside Sign Supports & Assemblies	
6835	Visual Imaging Vehicle Detection System	
SS 9997	LED Internally Lighted Street Name Signs	

The following procedures shall be used for the equipment submittal reviews:

1. Review the equipment submittal (cut-sheets) for conformity to the plans, specifications, and special provisions, as well as conformity to any subsidiary standards or criteria referred to by the plans, specifications or special provisions.
2. If the submittal is found to be in conformity, the submittal shall be marked "No Exceptions Taken" with signature, date and statement that "Review is only for general conformance with the design concept of the contract documents. Markings or comments shall not be construed as relieving the contractor from compliance with the project plans and specifications, nor departures therefrom.
3. If the submittal is found not to be in conformity, the submittal shall be marked

“Rejected See Remarks.” An explanation of why the submittal was disapproved will be provided in enough detail for the Contractor to be able to make the corrections for re-submittal.

4. A cover letter will be returned with the reviewed drawings containing:
 - A description of the submittal
 - The status of the submittal
 - A listing of sheet numbers and titles reviewed
 - If the submittal was not accepted without exception, an explanation of the exceptions

The process as identified in steps 1-4 above may be modified as directed by the CTRMA.

Providing Minor Re-design

The Engineer shall be available to prepare Change Orders, Alternate Designs or Additional Design Details as directed by CTRMA throughout the duration of the construction. The Engineer will document each Change Order, Alternate Design or Design Details in sufficient detail to allow the processing of the design refinement. The Engineer shall submit original mylar drawings and six copies of all Change Orders or designs to the CTRMA. In relation to preparation of change order documents, the Engineer shall be available to:

- Prepare a Fair Construction Cost Estimate for the change
- Evaluate contractor's proposed quotation against the Fair Construction Cost Estimate
- Submit recommendations to the CTRMA for final approval, and
- Assist the CTRMA in negotiating change order following approval

Responding to Request for Information (RFIs) and Answering General Questions

The Engineer shall be available to respond to questions related to the plans and specifications as needed throughout the duration of the construction. The Engineer will document each question in sufficient detail, formulate a response and submit a written version of the response to the CTRMA

EXHIBIT C

WORK SCHEDULE

The Engineer shall complete the review of all shop drawings within 14 calendar days from the date of its receipt, unless permitted otherwise by the CTRMA.

On other tasks defined in construction phase services that are not related to shop drawings, schedule shall be mutually agreed upon by the Engineer and the CTRMA.

This work authorization expires on May 31, 2012.