

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

**RESOLUTION NO. 06-14**

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

WHEREAS, in Resolution No. 06-07, dated January 31, 2006, the CTRMA Board of Directors directed staff to begin negotiations with MSX International, Inc. for terms of an agreement to provide General Systems Consultant services relating to independent oversight and guidance regarding the development and operations of the electronic toll collection system; and

WHEREAS, in Resolution No. 06-13, dated February 22, 2006, the CTRMA Board of Directors authorized and approved the retention of MSX International, Inc. to provide General Systems Consultant services relating to independent oversight and guidance regarding the development and operations of the electronic toll collection system and the execution of an Agreement for General System Consultant Services; and

WHEREAS, MSX International, Inc. has developed an initial scope of work as detailed in the Work Authorization No. 1 attached hereto as Attachment "A"; and

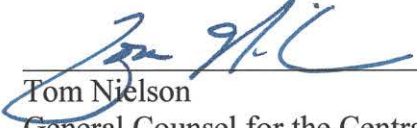
WHEREAS, the CTRMA Board of Directors must approve the Work Authorization No. 1 before MSX International, Inc. may proceed with work thereunder; and

WHEREAS, MSX International, Inc. has represented to the Board of Directors that the work reflected in Work Authorization No. 1 and the cost thereof is necessary and appropriate.

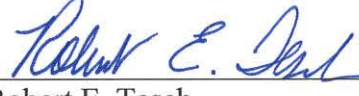
NOW THEREFORE, BE IT RESOLVED, that the CTRMA Board of Directors approves Work Authorization No. 1, attached hereto as Attachment "A", provided that any work commenced under Work Authorization No. 1 be subject to the Agreement for General Systems Consultant Services between the CTRMA and MSX International, Inc.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 22nd day of February, 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 06-14  
Date Passed 02/22/06

Attachment "A"  
To Resolution No. 06-14  
MSX Work Authorization No. 1

## WORK AUTHORIZATION

FILE COPY

### WORK AUTHORIZATION NO. 1

This Work Authorization is made as of this 1st day of March, 2006, under the terms and conditions established in the AGREEMENT FOR GENERAL SYSTEMS CONSULTANT SERVICES, dated as of March 1, 2006 (the "Agreement"), between the Central Texas Regional Mobility Authority ("Authority") and MSX International, Inc. ("Consultants"). This Work Authorization is made for the following purpose, consistent with the services defined in the Agreement:

*General Systems Consultant services.*

#### **Section A. - Scope of Services**

A.1. Consultant shall perform the following Services:

*See Attachment A.*

A.2. The following Services are not included in this Work Authorization, but shall be provided as Additional Services if authorized or confirmed in writing by the Authority.

N/A

A.3. In conjunction with the performance of the foregoing Services, Consultant shall provide the following submittals/deliverables (Documents) to the Authority:

N/A

#### **Section B. - Schedule**

Consultant shall perform the Services and deliver the related documents (if any) for a period of one (1) year or until the work is complete, commencing with the Notice to Proceed.

#### **Section C. - Compensation**

C.1. In return for the performance of the foregoing obligations, the Authority shall pay to Consultant the amount not to exceed \$ 188,026.30 based on the attached fee estimate. Compensation shall be based on hourly rates as shown in Attachment B and in accordance with the Agreement.

C.2. Compensation for Additional Services (if any) shall be paid by the Authority to Consultant according to the terms of a future Work Authorization.

#### **Section D. - Authority's Responsibilities**

The Authority shall perform and/or provide the following in a timely manner so as not to delay the Services of the Consultant. Unless otherwise provided in this Work Authorization, the Authority shall bear all costs incident to compliance with the following:

N/A

**Section E. - Other Provisions**

The parties agree to the following provisions with respect to this specific Work Authorization:

N/A

Except to the extent expressly modified herein, all terms and conditions of the Agreement shall continue in full force and effect.

Authority: Central Texas Regional Mobility Authority

By: MIKE HEILIGENSTEIN  
Signature: Mike Heiligenstein  
Title: \_\_\_\_\_  
Date: 3-16-06

Consultant: MSX International, Inc.

By: PAUL DAVEN  
Signature: Paul Daven  
Title: SVP  
Date: 3-3-06

# **Attachment A**

## **SCOPE OF SERVICES-**

### **Work Authorization 1**

#### **I. Purpose**

The Consultant shall be expected to provide the Authority with advice and assistance to ensure that the Toll Collection System ("TCS") for CTRMA-operated projects is delivered by the Authority's Toll Systems Integrator according to the terms of the Toll Systems Implementation and Maintenance Services Agreement, submitted system design documents, toll industry best practices, and applicable CTRMA standards.

The Consultant shall provide qualified technical and professional personnel to perform the duties and responsibilities assigned under the terms of this Agreement. The Authority, at its option, may elect to expand, reduce, or delete the extent of each work element described in this Scope of Services document, provided such action does not alter the intent of this Agreement.

The Authority shall request Services on an as-needed basis. There is no guarantee that any or all of the Services described in this Agreement will be assigned during the term of this Agreement. Further, the Consultant is providing these Services on a nonexclusive basis. The Authority, at its option, may elect to have any of the Services set forth herein performed by other consultants or by the Authority's staff.

The CTRMA's General Engineering Consultant, HNTB Corporation, is currently providing oversight services for the implementation of the Toll Collection System for the 183-A Tollway Project. The Consultant will be required to support the ongoing efforts and provide input and assistance, as requested, and the Consultant shall maintain clear lines of communication and fully coordinate its efforts with those of the GEC to ensure the effective delivery of the complete and acceptable Toll Collection System to the CTRMA.

#### **II. Services**

The Scope of Services to be provided by the Consultant may include, but not be limited to, the following:

- A. Advise and assist the CTRMA with oversight of the Toll Systems Integrator.
- B. Participate in system requirements and specifications analysis and TCS design reviews.

- C. Review contract deliverables to include (but not be limited to) the Preliminary System Design Document (“PSDD”) and Final System Design Document (“FSDD”), Interface Plan, and QA/QC Manual to ensure that the deliverable conforms to the terms of the Toll Systems Implementation and Maintenance Services Agreement and CTRMA standards.
- D. Review detailed development and implementation schedules and assist with progress reporting.
- E. Participate in system development testing and provide assistance to the CTRMA in monitoring the tests.
- F. Review claims and change orders as requested.
- G. Monitor the TCS Acceptance Testing and advise the CTRMA regarding test process and results.
- H. Advise the CTRMA regarding TCS system performance standards.
- I. Provide other technical services as requested.

The following tasks shall be performed, as requested and in accordance with the direction of the Director of Operations:

- I. Advise and assist the CTRMA, as requested, with oversight of the Toll Systems Integrator.
- J. Participate in system requirements and specifications analysis and Toll Collection System design reviews.
- K. Review contract deliverables to include (but not be limited to) the Preliminary System Design Document (“PSDD”) and Final System Design Document (“FSDD”), Interface Plan, and QA/QC Manual to ensure that the deliverable conforms to the terms of the Toll Systems Implementation and Maintenance Services Agreement and CTRMA standards.
- L. Review detailed development and implementation schedules and assist with progress reporting.
- M. Participate in system development testing and provide assistance to the CTRMA, as requested, in monitoring the tests.
- N. Review claims and change orders as requested.
- O. Participate in monitoring the Toll Collection System Acceptance Testing and advise the CTRMA regarding test process and results.

P. Advise the CTRMA regarding Toll Collection System system performance standards.

Q. Provide other technical services, as requested.

**[END OF SECTION]**



CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY  
WORK AUTHORIZATION NO. 1

**MSX International, Inc.**  
**Fee Estimate**

Task #	Task Description	Staffing Category				Total
		Project Manager	Senior Consultant	Senior System Consultant	System Engineer	
A	advising and assisting CTRMA with Toll Systems Integrator oversight (This looks to be a catch-all task that is comprised of the remaining tasks)					0
B	participating in system requirements and specifications analysis and Toll Collection System ("TCS") design reviews	220	10			230
C	reviewing contract deliverables to include (but not limited to) Preliminary System Design Documents ("PSDD") and Final System Design Documents ("FSDD"), Interface Plan, and QA/QC Manual to ensure that the deliverable conforms to the terms of the Agreement for Toll Systems Implementation and Maintenance Services and CTRMA standards	220	20	20	20	280
D	reviewing detailed development and implementation schedules and assisting with progress reporting	140				140
E	participating in system development testing and providing assistance to CTRMA in monitoring the tests	140	10		20	170
F	reviewing claims and change orders as requested	80		8		88
G	monitoring the TCS Acceptance Testing and advising CTRMA regarding test process and results	240	40		30	310
H	advising CTRMA regarding TCS contract system performance standards	160		12		172
I	providing other technical services as requested	160				160
	Total hours per Staffing Category	1360	80	40	70	1550
	Total Rate per Staffing Category	\$ 120.74	\$ 132.28	\$ 157.81	\$ 98.93	
	Total Fee Estimate per Staffing Category	\$ 164,206.40	\$ 10,582.40	\$ 6,312.40	\$ 6,925.10	\$ 188,026.30