



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

July 24, 2019
AGENDA ITEM #9

Approve Work Authorization No. 18 with
Kapsch TrafficCom USA, Inc. for toll host
upgrade and transaction processing
workflow enhancements

Strategic Plan Relevance: Regional Mobility
Department: Operations
Contact: Tracie Brown, Director of Operations
Associated Costs: not to exceed \$458,000
Funding Source: General Fund
Action Requested: Consider and act on draft resolution

Summary:

Background – Kapsch TrafficCom USA serves as the Mobility Authority’s toll system integrator. In this role, Kapsch is tasked with installing and maintaining the Authority’s toll system equipment hardware, software and intelligent traffic systems (ITS). Kapsch also provides license plate image review and transcription services necessary to facilitate the billing of the Authority’s Pay By Mail toll transactions.

Current Action - The Authority’s current toll Host system was designed in 2007 to support 183A, the initial toll project. Since that time the Authority has brought several other toll projects online including the 290 Toll, the 71 Toll, the MoPac Express Lane and, more recently, the SH 45 SW Toll. Each new project has required modification of the original toll Host system; however, the old Host system architecture needs to be upgraded to more modern standards. The proposed Host system enhancements will allow for scalability and easier system support.

- ❖ *CTRMA Toll Host Upgrade:* Kapsch will deliver a new Toll Host that provides CTRMA a single-sign-on functionality to access reports, the Roadway Operating Management System (ROMS), and the Express Lane Command Center (ELCC) via a single user interface.
 - Estimated pricing: \$235,800

- ❖ *CTRMA Workflow Upgrade*: Kapsch will deliver and upgrade the transaction processing workflow within the current CTRMA Host/Transaction processing system. The new workflow will provide CTRMA upgrades to the interoperability Hub and Image Review queuing processes, and will blend with the previously completed workflow work delivered as part of the Cofiroute pay by mail improvements in early 2019.
 - Estimated pricing: \$219,500

Previous Actions - The Central Texas Regional Mobility Authority entered into a contract with Caseta Technologies, Inc. April 27, 2005, for the design, procurement, and installation of a toll collection system on the Authority's turnpike system. Kapsch TrafficCom USA, Inc.) is the successor in interest to the contract with Caseta Technologies, Inc.

Action Requested/Staff Recommendation - Under this proposed change order, Kapsch TrafficCom USA will provide toll host upgrade and transaction processing workflow enhancements. Staff recommends approval Work Authorization No. 18 with Kapsch TrafficCom USA for toll host upgrade and transaction processing workflow enhancement.

Financing - These enhancements were included in the ETC Development line item in the FY 2020 budget.

Backup Provided - Draft Resolution
Proposed Work Authorization No. 18

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

RESOLUTION NO. 19-0XX

**APPROVE WORK AUTHORIZATION NO. 18 WITH
KAPSCH TRAFFICCOM USA, INC. FOR TOLL HOST UPGRADE AND TRANSACTION
PROCESSING WORKFLOW ENHANCEMENTS**

WHEREAS, the Central Texas Regional Mobility Authority (“Mobility Authority”) entered into a contract with Caseta Technologies, Inc. dated April 27, 2005, for the design, procurement, and installation of a toll collection system on the Authority’s turnpike system (the “Contract”); and

WHEREAS, Kapsch TrafficCom USA, Inc. (formerly Schneider Electric Mobility NA) is the successor in interest to the Contract with Caseta Technologies, Inc., and all rights and obligations of Caseta Technologies, Inc. under the Contract are now the rights and obligations of Kapsch TrafficCom USA (“Kapsch”); and

WHEREAS, the Mobility Authority’s toll host system was designed in 2007 has undergone various modifications to accommodate each Mobility Authority toll project opened since that time; and

WHEREAS, current toll host software system architecture is in need of an upgrade to modern standards including enhancements to the user interface and to the transaction processing workflow; and

WHEREAS, the Executive Director and Kapsch have discussed and agreed to a proposed Work Authorization No. 18 for upgrades to the Mobility Authority toll host and transaction processing workflow as described therein; and

WHEREAS, the Executive Director recommends that the Board approve proposed Work Authorization No. 18 in an amount not to exceed \$458,000.00, a copy of which is attached hereto as Exhibit A.

NOW THEREFORE, BE IT RESOLVED, that the Board authorizes the Executive Director to finalize and execute Work Authorization No. 18 on behalf of the Mobility Authority in an amount not to exceed \$458,000.00 and in the form or substantially the same form as Exhibit A.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 24th day of July 2019.

Submitted and reviewed by:

Approved:

Geoffrey Petrov, General Counsel

Nikelle Meade
Vice Chair, Board of Directors

Exhibit A

CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

WORK AUTHORIZATION WORK AUTHORIZATION NO. 18 TOLL SYSTEM INTEGRATION FOR TOLL SYSTEM ENHANCEMENTS

THIS WORK AUTHORIZATION (“WA No. 18”) is made pursuant to the terms and conditions of Article 1 of the GENERAL PROVISIONS, Attachment A, to the original Contract for Toll System Implementation, dated April 27, 2005 (the Contract) entered into by and between the Central Texas Regional Mobility Authority (the “Authority” or “CTRMA”), and Kapsch TrafficCom USA, Inc. (the “Contractor,” also referred to in attachments to this WA No. 18 as the “System Integrator” or “SI”).

PART I. The Contractor will perform toll implementation services generally described in the Kapsch Cofiroute Statement of Work attached hereto as **Attachment A**.

PART II. The maximum amount payable under this WA No. 18 is \$458,000. This amount is based upon the pricing obtained, and is documented by the fee schedule set forth in **Attachment A**.

PART III. Payment to the Contractor for the services established under this WA No. 18 shall be made in accordance with the Contract.

PART IV. This WA No. 18 shall become effective on the date both parties have signed this WA No. 18. This WA No. 18 will terminate on the Pay By Mail system final acceptance date or upon payment of the maximum amount payable in **Part II**, whichever date is first, unless extended as provided by the Contract.

PART V. This WA No. 18 does not waive any of the parties’ responsibilities and obligations provided under the Contract, and except as specifically modified by this WA No. 18, as such responsibilities and obligations under the Contract remain in full force and effect.

KAPSCH TRAFFICCOM, USA:

Signature _____ Date _____

Typed/Printed Name and Title _____

CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

Executed for and approved by the Central Texas Regional Mobility Authority for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

Signature _____ Date _____

Mike Heiligenstein, Executive Director

Typed/Printed Name and Title

LIST OF ATTACHMENTS

Attachment A Kapsch Statement of Work

ATTACHMENT A

KAPSCH STATEMENT OF WORK FOR TOLL SYSTEM ENHANCEMENTS

❖ **CTRMA Toll Host Upgrade:**

Summary: Kapsch will deliver a new Toll Host that provides CTRMA a single-sign-on functionality to access Reports, ROMS, and ELCC via a single user interface.

- Estimated pricing: \$235,800
 - Software Engineer: 575 hours
 - Database Develop/Admin: 575 hours
 - Documentation: 4 hours
 - Project/Software Manager: 70 hours

❖ **CTRMA Workflow Upgrade:**

Summary: Kapsch will deliver and upgrade the transaction processing workflow within the current CTRMA Host/Transaction processing system. The new workflow will provide CTRMA upgrades to the HUB and Image Review queuing processes, and will blend with the previously completed workflow work delivered as part of the Cofiroute pay by mail improvements in early 2019.

- Estimated pricing: \$219,500
 - Software Engineer: 450 hours
 - Database Develop/Admin: 530 hours
 - Documentation: 4 hours
 - Project/Software Manager: 130 hours

The above enhancements are priced under the Kapsch 2018 Labor rates, below. The table also includes the maintenance labor pricing based on the following CPI rate adjustment each year, beginning with 2016.

Item Description / Position Title	CY2016	CY2017	CY2018	CY2019	CY2020	CY2021
	1.69%	2.33%	1.93%	2.00%		
Software Engineer	\$148.12	\$151.57	\$154.50	\$157.59		
System / Hardware Engineer	\$162.16	\$165.94	\$169.14	\$172.52		
Technician	\$113.64	\$116.29	\$118.53	\$120.90		
Database Administrator	\$210.68	\$215.59	\$219.75	\$224.14		
Documentation Clerk	\$151.95	\$155.49	\$158.49	\$161.66		
Testing Engineer	\$160.89	\$164.64	\$167.82	\$171.17		
Project Manager	\$210.68	\$215.59	\$219.75	\$224.14		
Network Administrator	\$146.84	\$150.26	\$153.16	\$156.22		