



CENTRAL TEXAS REGIONAL  
**MOBILITY AUTHORITY**

December 11, 2018  
**AGENDA ITEM #11**

Approve Supplement No. 2 to Work  
Authorization No. 14 with Kapsch TrafficCom  
USA for the installation of wrong-way detection  
and notification system on  
the SH 45 SW Project

Strategic Plan Relevance: Regional Mobility  
Department: Operations  
Contact: Tracie Brown, Director of Operations  
Associated Costs: Not to exceed \$ 468,274  
Funding Source: Project Funds (*Previously Allocated*)  
Action Requested: Consider and act on draft resolution

Summary:

As part of the SH 45SW project, the Mobility Authority desires to implement a Wrong Way Detection (WWD) system on the corridor as a pilot project. The goal of this pilot project is to deploy an advanced intelligent transportation system (ITS) in up to four (4) locations along corridor in an effort to increase motorist safety. The system to be deployed will actively monitor and detect wrong way entry events at the four (4) locations, notify emergency responders and alert motorists that enter the corridor while driving the wrong way towards incoming traffic.

Based on the potential to improve safety by implementing this enhanced ITS system along the SH 45 SW corridor, as well as potentially other corridors operated by the Mobility Authority, staff is requesting approval of funds. This allocation is necessary in order to provide the authorization for Kapsch to deliver the WWD system. The projected cost of this project is as outlined in the table below.

Firm	System Implementation Costs	Revised Amount
Kapsch	WWD System design, installation and testing support	\$ 180,936
	System installation and testing	\$ 287,338
<b>TOTAL</b>		<b>\$ 468,274</b>

The Draft resolution authorizes the Executive Director to negotiate and execute Supplemental Work Authorization with Kapsch to implement this pilot project on SH 45 SW.

Backup provided: Draft Resolution

Draft Toll System Implementation Supplemental Work  
Authorization No. 2 to Work Authorization No. 14

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

**RESOLUTION NO. 18-0XX**

**APPROVING SUPPLEMENT NO. 2 TO WORK AUTHORIZATION NO. 14 WITH KAPSCH  
TRAFFICOM USA FOR THE INSTALLATION OF WRONG-WAY DETECTION AND  
NOTIFICATION SYSTEM ON THE SH 45 SW TOLL PROJECT**

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 (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, by Resolution No. 17-015, dated March 29, 2017, the Board approved Work Authorization No. 14 with Kapsch to provide toll system integration services and intelligent transportation system services for development of the SH 45 SW Toll Project; and

WHEREAS, by Resolution No. 18-030, dated July 25, 2018, the Board authorized and directed the Executive Director to finalize and execute Supplement No. 1 to Work Authorization No. 14 with Kapsch increasing the original not to exceed amount by \$71,750.00 to pay for additional work required to incorporate the use of temporary power connections for the toll system; and

WHEREAS, the Mobility Authority desires to implement a wrong way driver detection system on the SH 45 SW Project in order to improve safety and to test the equipment for potential use on other Mobility Authority facilities; and

WHEREAS, the Executive Director and Kapsch have negotiated Supplement No. 2 to Work Authorization No. 14 in an amount no to exceed \$468,274.00 for the purchase and installation of a wrong-way detection and notification system on the SH 45SW Toll Project; and

WHEREAS, the Executive Director recommends that the Board approve proposed Supplement No. 2 to Work Authorization No. 14 in the form or substantially the same form attached hereto as Exhibit A.

NOW THEREFORE, BE IT RESOLVED that the Board authorizes the Executive Director to finalize and execute proposed Supplement No. 2 to Work Authorization No. 14 with Kapsch TrafficCom USA in an amount not to exceed \$468,274.00 and in the form or substantially the same form as Exhibit A for the purchase and installation of a wrong-way detection and notification system on the SH 45 SW Project.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 11<sup>th</sup> day of December 2018.

Submitted and reviewed by:

Approved:

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Geoff Petrov, General Counsel

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Ray A. Wilkerson  
Chairman, Board of Directors

**Exhibit A**

**CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

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**SUPPLEMENTAL WORK AUTHORIZATION NO. 2**

**to**

**WORK AUTHORIZATION NO.14**

**TOLL SYSTEM IMPLEMENTATION**

**STATE HIGHWAY 45 SOUTHWEST PROJECT**

**THIS SUPPLEMENTAL WORK AUTHORIZATION NO. 2 (“SWA No. 2”) TO WORK AUTHORIZATION NO. 14 (“WA No. 14”)** 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 Transportation NA, Inc. (the “Contractor,” also referred to in attachments to this SWA No. 2 and WA No. 14 as the “System Integrator” or “SI”).

Pursuant to this SWA No. 2, PARTS I and II of WA No. 14 are modified as follows:

**PART I.** The Scope of Work attached to WA No. 14 as **Attachment A** is amended to include the following additional services:

- All work required to contract with the Wrong Way Detection (WWD) System provider, in order to design, procure (e.g. system hardware and software, as well as civil infrastructure), install, test and maintain the WWD System at four (4) locations on the SH 45 SW corridor.
- All work required to coordinate with the WWD system provider, the Authority, General Engineering Consultant, other third-party contractors and Roadway Contractor (as necessary) to construct and install any necessary civil infrastructure (e.g. installation of poles for the system, new conduit for power and/or fiber optic communications and installation of fiber optic cable and/or power cables) needed to implement the WWD System.

**PART II.** This SWA No. 2 increases the maximum amount payable under this WA No. 14 by **FOUR HUNDRED SIXTY EIGHT THOUSAND TWO HUNDRED SEVENTY FOUR DOLLARS (\$468,274.00)**. The revised maximum amount payable is **TWO MILLION NINE HUNDRED FOUR THOUSAND TWO HUNDRED SEVENTY-SIX AND 06/100 DOLLARS (\$2,904,276.06)**.

**IN WITNESS WHEREOF**, this Supplemental Work Authorization No. 2 to Work Authorization No. 14 is executed in duplicate counterparts and hereby accepted and acknowledged below.

**THE CONTRACTOR: Kapsch TrafficCom Transportation NA, Inc.**

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Signature

Date

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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.

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Signature

Date

Mike Heiligenstein, Executive Director

Typed/Printed Name and Title