



Agenda Item 3a
Bay Area Metro Center
375 Beale Street
San Francisco, CA 94105
TEL 415.778.6700
WEB www.mtc.ca.gov

TO: Clipper® Executive Board

DATE: October 17, 2016

FR: Carol Kuester

RE: Clipper® Contract Change Order – Bus Device Installation Kits: Cubic Transportation Systems, Inc. (\$1,700,000)

Background

Clipper® equipment is deployed on 3,000 vehicles operated by 17 bus operators. These operators routinely replace and add vehicles to their fleets. Obtaining the devices and related equipment and materials for installing Clipper® equipment on the new vehicles requires a six to nine month lead time. In order to support a more rapid response to the fleet changes, MTC is requesting authorization to obtain quantities of several types of installation kits to support these fleet changes. Installation kits will be placed in program inventory to be installed as part of future operator requests. MTC and transit operator staff support this approach and strategy to allow for quick response to operator requests.

Change Order Scope of Work

Two versions of Clipper® devices are installed on current vehicle fleets:

Legacy Equipment (DC, CID 1)	Newer Equipment (DC3, CID 5)
Ten operators - AC Transit, Golden Gate Transit, SFMTA, SamTrans, VTA*, Marin Transit, FAST, Napa, Soltrans, Vacaville	Seven operators - CCCTA, TriDelta Transit, WestCat, Wheels, Petaluma Transit, Santa Rosa Transit, Sonoma County Transit

*VTA's fleet of legacy devices is currently being replaced with newer equipment; legacy equipment from VTA will be refurbished as needed and made available to support needs of remaining operators.

Three types of installation kits are required to support regional fleet management activities:

1. Legacy Equipment: Installation Kits for Pre-Wired Vehicles

These kits are intended to accommodate requests to install legacy devices on an expansion or replacement vehicle that has been pre-wired by the vehicle manufacturer. These types of kits will include all necessary equipment to enable new vehicles to receive legacy devices removed from outgoing vehicles or provided from the regional spares pool.

2. Newer Equipment: Installation Kits for Expansion Vehicles

These kits are intended to accommodate expansion of operator fleets using the newer equipment. To outfit the additional vehicles, the kit will include the driver console (DC3), card readers (CID5), uninterruptible power supply (UPS), battery, wiring harness, brackets, and all other elements necessary to fully complete a vehicle installation.

3. Newer Equipment: Installation Kits for Replacement Vehicles

These kits are intended to accommodate transition of devices from a retiring vehicle using the newer equipment to a replacement vehicle. This type of kit will include all necessary equipment to enable the new vehicle to receive the newer devices removed from an outgoing vehicle.

This Change Order will procure 100 newer equipment kits for expansion vehicles, 200 newer equipment kits for replacement vehicles, and 100 legacy equipment kits. These quantities were determined based on known and anticipated needs over the next two to three years. All kits will be placed in regional inventory until allocated by MTC to a future installation effort.

Recommendation








Transit agency staff liaisons and Clipper® program staff recommend the Executive Board approval of a Change Order to the contract between MTC and Cubic in an amount not to exceed \$1,700,000 to obtain additional Clipper® devices for installation on transit operator vehicles and replenish the inventory of spare devices.



Carol Kuester

Attachment:

- Attachment A: Project Schedule

CN 146 - Bus Device Installation Kits			DATA DATE 6-Oct-16								
Activity ID	Activity Name	Remaining Duration	Start	Finish	Remaining Labor Units	1/16/2017	3/17/2017	5/16/2017	7/15/2017		
TOTAL			1/17/2017	7/27/2017	4542						17-Jan
CN 146- Bus Device Installation Kits			1/17/2017	7/27/2017	4542						17-Jan
WBS 1000- Program Management		0	1/16/2017	1/16/2017	0						WBS 1000- Program Management
Customer Review & Dependancies											
PM-1010	NTP	0	1/16/2017	1/16/2017	0						NTP
WBS 8000		1	1/17/2017	7/27/2017	2						WBS 8000
Installation											
NRE-8050	Equipment ERA creation/submittal for purchasing	1	1/17/2017	1/17/2017	2						Equipment ERA creation/submittal for...
NRE-8100	MATERIALS	189	1/18/2017	7/26/2017	4536						MATERIALS
NRE-8120	Delivery to Clipper Depot	1	7/27/2017	7/27/2017	4						Delivery to Clipper Depot
<div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div>			Page 1 of 1								

REQUEST FOR BOARD APPROVAL

Summary of Proposed Contract Change Order

Contractor:	Cubic Transportation Systems, Inc. San Diego, CA
Project Title:	Bus Device End-of-Lifecycle Replacement and Spares Replenishment
Purpose of Amendment:	Obtain Clipper® devices for installation on transit operator vehicles and replenish the inventory of spare devices.
Brief Scope of Work:	Procure and install Clipper® on-board equipment and bus yard network equipment at transit operators.
Project Cost Not to Exceed:	\$1,700,000 (this Amendment) Total contract value including amendments before this Change Order amendment = \$167,619,610 Total contract amount with this Change Order = \$169,319,610 (this total does not include other October 24, 2016 contract approval actions).
Funding Source:	STP, CMAQ, STA, STP Exchange, Regional Measure 2 Capital
Fiscal Impact:	Funds available in the FY 2016-17 MTC agency budget.
Motion:	That the Change Order with Cubic Transportation Systems, Inc. for the purposes described herein and in the Executive Director's October 17, 2016 memorandum, is hereby approved by the Clipper® Executive Board.
Executive Board:	<hr/> Denis Mulligan, Chair
Approved:	Date: October 24, 2016