



## Agenda Item 2b

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TO: Clipper® Executive Board

DATE: October 17, 2016

FR: Carol Kuester

RE: Clipper® Program Contract Actions

- i. Contract Change Order – Implementation of Sonoma-Marín Area Rail Transit District (SMART) 31-Day Pass: Cubic Transportation Systems, Inc. (\$175,000)
- ii. Contract Amendment – Modification of SMART Ticket Vending Machines to support Vending of SMART 31-Day Pass: VenTek Transit, Inc. (\$125,000)

### Background

The initial implementation of Clipper® for the Sonoma-Marín Area Rail Transit District (SMART) includes a zone-based fare system, using Clipper® cash value, with daily fare capping and an annual institutional pass (“SMART ECO PASS”). The fare capping will allow SMART passengers to take multiple trips in a day and pay a maximum daily. The SMART ECO PASS will be marketed by SMART to employers, colleges, veterans’ groups, and other institutions who will be able to purchase the annual Eco-Passes for their employees, students, and members directly from SMART to receive fare discounts.

This request is for MTC to authorize two contractors (Cubic Transportation Systems, Inc., and VenTek Transit, Inc.) to modify the Clipper® fare collection system and SMART’s ticket vending machines (TVMs) to incorporate a 31-day rolling pass. This pass would allow passengers to take unlimited rides on the SMART system (valid for travel between any zones or station pairs) during a consecutive 31-day duration for a fixed price to be specified by SMART. The changes requested include modifications to the Clipper® back-end system by Cubic to develop and support the pass; and modification of the SMART ticket vending machines by VenTek to sell the pass.

The SMART Board of Directors approved funding for this work at their September 21, 2016 Board meeting. Since SMART is funding this work, MTC requires a funding agreement with SMART in order to initiate this work. If approved, work could commence this winter and would be expected to be complete by late summer/fall 2017. See Attachment A for Cubic project schedule and Attachment B for VenTek schedule.

Transit agency staff liaisons have reviewed the queue of upcoming work in the Clipper® pipeline and have agreed that this work does not adversely affect the delivery of other projects.

## **Contract Actions**

### **i. Contract Change Order – Implementation of SMART 31-Day Pass: Cubic Transportation Systems, Inc. (\$175,000)**

Staff recommends the Clipper® Executive Board's approval of one or more contract change order(s) with Cubic Transportation Systems, Inc., in an amount not to exceed \$175,000 for the services described above.

### **ii. Contract Amendment – Ticket Vending Machines for Sonoma-Marín Area Rail Transit District: VenTek Transit, Inc. (\$125,000)**

Staff recommends the Clipper® Executive Board's approval of one or more contract change order(s) with VenTek Transit, Inc., in an amount not to exceed \$125,000 for the services described above.

  
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Carol Kuester

## **Attachments:**















- Attachment A: Cubic Project Schedule
- Attachment B: VenTek Project Schedule

SMART 31 DAY PASS					PRELIMINARY SCHEDULE					13-Oct-16 13:53																	
Activity ID	Activity Name	Original Duration	Start	Finish	Predecessors	Successors	Duration % Complete	Total Float	Qtr 1, 2017			Qtr 2, 2017			Qtr 3, 2017			Qtr 4, 2017			Qtr 1, 2018			Qtr 2, 2018			
									Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Total		355d	02-Jan-17	29-May-18			0%	0d																			
SMART 31 DAY PASS		355d	02-Jan-17	29-May-18			0%	0d																			
A1000	Expected NTP	0d	02-Jan-17			A1010, A1020, A1020	0%	0d	Expected NTP																		
A1010	Program Management	110d	02-Jan-17	05-Jun-17	A1000		0%	245d	Program Management																		
A1020	NRE	50d	02-Jan-17	10-Mar-17	A1000, A1000	A1030, A1040	0%	0d	NRE																		
A1030	Testing	55d	13-Mar-17	26-May-17	A1020	A1050	0%	0d	Testing																		
A1040	Documentation	40d	13-Mar-17	05-May-17	A1020	A1050	0%	15d	Documentation																		
A1050	Warranty	250d	30-May-17	29-May-18	A1030, A1040		0%	0d																			

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VenTek Project Schedule

		Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Pred
0			▸ <b>31-Day Pass Implementation</b>	<b>82 days</b>	<b>3/1/17</b>	<b>6/22/17</b>	
1			NTP	1 day	3/1/17	3/1/17	
2			▸ Scope	1.5 days	3/2/17	3/3/17	
5			▸ Analysis/Software Requirements	6 days	3/2/17	3/9/17	
9			▸ Design	3 days	3/10/17	3/14/17	
14			Design Review	1 day	3/15/17	3/15/17	9
15			▸ Development	45 days	3/1/17	5/2/17	
21			▸ Testing	12 days	5/3/17	5/18/17	
30			▸ Documentation	25 days	5/19/17	6/22/17	
37			▸ Deployment	10 days	5/19/17	6/1/17	
44			31-day Pass Acceptance (MTC/SMART)	8 days	6/2/17	6/13/17	43
45			31-day Pass Completed	0 days	6/13/17	6/13/17	44

## REQUEST FOR BOARD APPROVAL

### Summary of Contract Change Order

Contractor:	Cubic Transportation Systems, Inc. San Diego, CA
Work Project Title:	SMART 31-Day Pass Implementation
Purpose of Amendment:	Implementation of SMART 31-Day Pass on Clipper®
Brief Scope of Work:	Under this Change Order, Cubic will implement a 31-Day Pass product on the Clipper® fare payment system to cover the Sonoma-Marín Area Rail Transit District (SMART) service.
Project Cost Not to Exceed:	<p>\$175,000 (this Change Order)</p> <p>Total contract value including amendments before this amendment = \$167,619,610</p> <p>Total contract amount with this amendment = \$167,794,610 (this total does not include other October 24, 2016 contract approval actions).</p>
Funding Source:	SMART funds
Fiscal Impact:	Funding will be provided by SMART.
Motion:	That the Contract Change Order with Cubic Transportation Systems, Inc., for the purposes described herein and in the Executive Director's memorandum dated October 17, 2016, is hereby approved by the Clipper® Executive Board.
Clipper® Executive Board:	<hr/>
	Denis Mulligan, Chair
Approved:	Date: October 24, 2016

## REQUEST FOR BOARD APPROVAL

### Summary of Contract Amendment

Contractor:	VenTek Transit, Inc. (VenTek) Petaluma, CA
Work Project Title:	Ticket Vending Machines for Sonoma-Marín Area Rail Transit District (SMART)
Purpose of Amendment:	Modification of ticket vending machine screen flow/user interface and associated software configuration to support vending of Clipper® SMART 31-day pass.
Brief Scope of Work:	VenTek shall modify the SMART TVM software and screen flows to support purchasing and loading a 31-day pass to a Clipper® card.
Project Cost Not to Exceed:	\$125,000 (this Change Order)  Total contract value including amendments before this amendment = \$1,327,565  Total contract amount with this amendment = \$1,452,565
Funding Source:	SMART funds
Fiscal Impact:	Funding will be provided by SMART.
Motion by Committee:	That the Contract Amendment with VenTek Transit, Inc., for the purposes described herein and in the Executive Director's memorandum dated October 17, 2016, is hereby approved by the Clipper® Executive Board.
Clipper® Executive Board:	<hr/> Denis Mulligan, Chair
Approved:	Date: October 24, 2016