Clipper® Executive Board

June 22, 2020   **Agenda Item 5c**

Next Generation Clipper® System Update

Subject:	Update on key developments related to the implementation of the Next Generation Clipper System Integrator project.
Background:	This summary reflects two months of updates, as the May 18, 2020 Clipper Executive Board meeting agenda did not include information items.

Included as Attachment A to this memorandum is a summary of recently completed activities related to delivering the next-generation Clipper program; upcoming activities and deliverables for MTC, Cubic Transportation Services, and the transit operators; and noteworthy items that the project team is managing.

Highlights include:

- Continued discussions on preferred options for transit operator integration of the next-generation on-board validators with existing on-board vehicle systems;
- Approval of Review Cycle 3 documents and upcoming approval of Review Cycle 4 (which comprises the final set of documents for Accelerated Deployment); and
- Final stages of design review for user experience on the Clipper mobile app with testing beginning within the next several months.

Transit operators have been sending requests for additional features and functionality for the Next-Generation Clipper system. This functionality was included in the requirements of the Next-Generation system and will be incorporated in the planning of design of the Account-Based system beginning later this summer.

To date, no critical milestones have slipped beyond their contractual guaranteed completion dates, and the program is currently on schedule and within expected budget.

Attachments: **Attachment A:** Next Generation Clipper Program Executive Summary Status Report

Carol Kuester

Next-Generation Clipper Program
Executive Summary Status Report – June 22, 2020

CLIPPER

FASTER LOAD TIMES (on select operators)

MOBILE APP: Phase 1 development

NEW DEVICES: DESIGN/TEST System-wide integration of new equipment`   **INSTALL**

ACCOUNT-BASED SYSTEM: DESIGN/TEST   **INSTALL**

2019   2020   2021   2022   2023

Summary

- Review Cycle 3 for Accelerated Deployment design documents complete. Review Cycle 4 nearly complete.
- System Integration Test reports for Faster Load Times under review. Monitoring system activity to determine start date for additional daily actionlist distributions.
- Mobile App test procedures under revision by Cubic; initial testing to start in summer.
- Technical discussions continue with operators, including BART network design and CAD/AVL integration planning.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• Review Cycle 3 documents:				
o Mobile App design approved by MTC	●			April 16
o Remaining RC3 documents resubmitted by Cubic		●		May 7, 14
o Approved by MTC	●			May 22
• Review Cycle 4 documents:				
o Comments sent to Cubic	●		●	Apr 20
o 2nd submission received from Cubic		●		May 29
o Comments on 2nd submission sent to Cubic	●		●	Jun 15
• Faster Load Times:				
o Test Reports submitted by Cubic		●		Jun 9
• Mobile App Test Plans:				
o Comments sent to Cubic	●		●	Apr 27
• Operator site visits for onboard surveys:				
o SFMTA	●	●	●	May 26–27
o SamTrans	●	●	●	May 28–29
o VTA	●	●	●	June 1–2
o AC Transit	●	●	●	June 3–4
• Account-Based System design:				
o BART integration/implementation overview document resubmitted by Cubic		●		May 13
o Review meeting with BART	●	●	●	June 10
• Technical meetings with operators:				
o SFMTA	●	●	●	June 18

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• Review Cycle 4 documents:				
o 3rd submission expected from Cubic		●		TBD
• Faster Load Times:				
o Add third daily actionlist distribution		●		TBD
• Mobile App Test Plans:				
o 2nd submission expected from Cubic		●		TBD
• Technical meetings with operators:				
o BART	●	●	●	Jul 15
o SFMTA	●	●	●	Jul 16
• Clipper Executive Board Meeting	●		●	Jul 27