Clipper® Executive Board

February 24, 2020   **Agenda Item 4c**

Next Generation Clipper® System Update

Subject:	Update Board members on key developments related to the implementation of the Next Generation Clipper System Integrator project.
Background:	**Executive Summary** 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. This will be updated and presented to this Board monthly.

Highlights include the completion of the technical meeting "road shows" held on-site at transit operator locations to familiarize transit operator staff with the next-generation equipment and to discuss integration options with existing on-board vehicle solutions. Accelerated Deployment documents for Review Cycle 3 are nearly complete, with design of the mobile app to be approved soon and testing plans and procedures expected in March.

Testing for faster and more frequent load times at rail stations and ferry terminals when purchasing products via phone or through the website is nearly complete, with faster load times to begin rolling out within the next several months.

As we continue to move through the various phases of accelerated deployment, we want to remind transit operators of the importance of their involvement, especially as it pertains to updated plans for equipment quantities and procurement, integration of next-generation equipment with existing on-board systems, and testing and witnessing of next-generation system features.

To date, no critical milestones have slipped beyond their contractual guaranteed completion dates, and the program is currently on schedule and within expected budget.
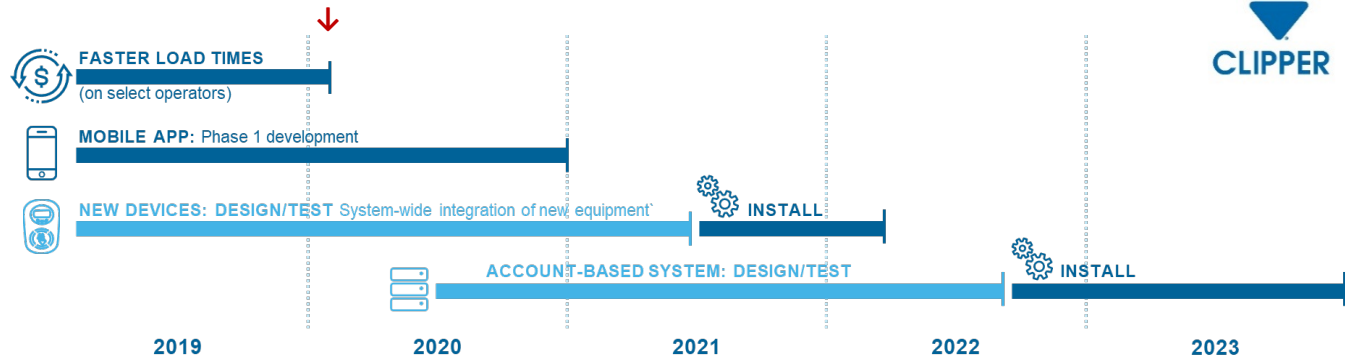
Attachments:	**Attachment A:** Next Generation Clipper Program Executive Summary Status Report

Carol Kuester

Next-Generation Clipper Program
Executive Summary Status Report – February 24, 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 nearly complete.
- Review Cycle 4 submittal expected from Cubic in March.
- Deployment of Faster Load Times underway.
- Mobile App test plans/procedures expected from Cubic in March.
- Technical discussions continue with operators, including CAD/AVL integration planning.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
Review Cycle 3 documents:				
○ Initial comments submitted to Cubic	●			Feb 3
○ Resubmittal by Cubic		●		Feb 18 (tentative)
System Integration Testing for Faster Load Times:				
○ Test Report submitted by Cubic		●		TBD
Technical meetings with operators:				
○ SFMTA	●	●	●	Feb 20

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
Review Cycle 3 documents:				
○ Submit final comments to Cubic	●			Feb 27 (tentative)
○ Approval by MTC	●			Mar 2 (tentative)
Review Cycle 4 documents:				
○ Initial submittal expected from Cubic		●		Mar 12
○ Review meetings with Cubic	●	●	●	Mar 24–27 (tentative)
Mobile App Test Plans:				
○ Initial submittal expected from Cubic		●		Mar (TBD)
Technical meetings with operators:				
○ BART	●	●	●	Mar 18
○ SFMTA	●	●	●	Mar 19
Clipper Executive Board Meeting	●		●	Mar 23