



November 28, 2016

To: Clipper Executive Board

From: Steve Raney, Principal Investigator, Bay Area Fair Value Commuting Project
Joint Venture Silicon Valley, 100 West San Fernando St, #310, San Jose, CA 95113

Re: Agenda #4A, Next-Generation Clipper® (C2) Request for Proposals (RFP) Update

Michael Dinning of the Volpe Center previously collaborated with MTC on Clipper 1.0. He is leading an incipient effort to bring about a regional transit payment breakthrough. MTC involvement will be impactful. The effort's tempo matches the timeline for Clipper 2.0 early 2017 industry input. A strawman schedule of events:

1. February workshop in Salt Lake City.
2. Smart Card Alliance Payments Summit, March 27-30, Orlando.
3. APTA Fare Collection/Revenue Management/TransITech Conference: April 2-5.
4. April webinar to report out conclusions.

The February workshop may follow the non-competitive Clipper 1.0 workshop where key stakeholders stated requirements and vendors provide a perspective on possibilities.

What might a regional payment bid breakthrough look like?

- Vix and Xerox team on providing the backend, using an open transit database schema. They alternate owning the data every year, porting ownership on a Sunday night from 11PM to 5AM. Access to fare gates is via an open standard API.
- Two Mobility Aggregation (MobAg) smartphone apps are part of the bid, using a single open standard API. The list of compatible MobAgs grows over time. NFC tap and pay is supported in all MobAgs via an open API. MobAgs work in any region of the country.
- Payment is made via standard, non-proprietary payment mechanisms {Apple/Google/Samsung pay, paypal, credit card} using tokenization.
- Changes to fare structure are made by agency staff via an administrative panel. There is no change order required.
- MobAg screen real-estate is provided for branding. Branding real-estate is controlled via an agency administrative panel.
- Seamless trips are made across MPO boundaries.

An editable, comment-able google drive working document with details: <http://bit.ly/seamlessMobility>