

Clipper[®] Next Generation Fare Collection Update SFCTA Plans & Programs Committee July 15, 2014

The Clipper[®] card allows seamless travel between all of the major Bay Area transit agencies



- Clipper is available on the 8 largest Bay Area transit systems:
 - Available to 95% of all riders
 - 1.4 million active cards
 - Processing \$35M/month
- Milestone Eclipsed! Clipper processed over 20 million fee-generating transactions in the months of April and May 2014!
- Expansion underway:
 - Napa/Solano bus operators in 2014
 - East Bay suburban bus operators by 2015
 - Sonoma Co. bus operators by 2016
 - SMART will be Clipper-only







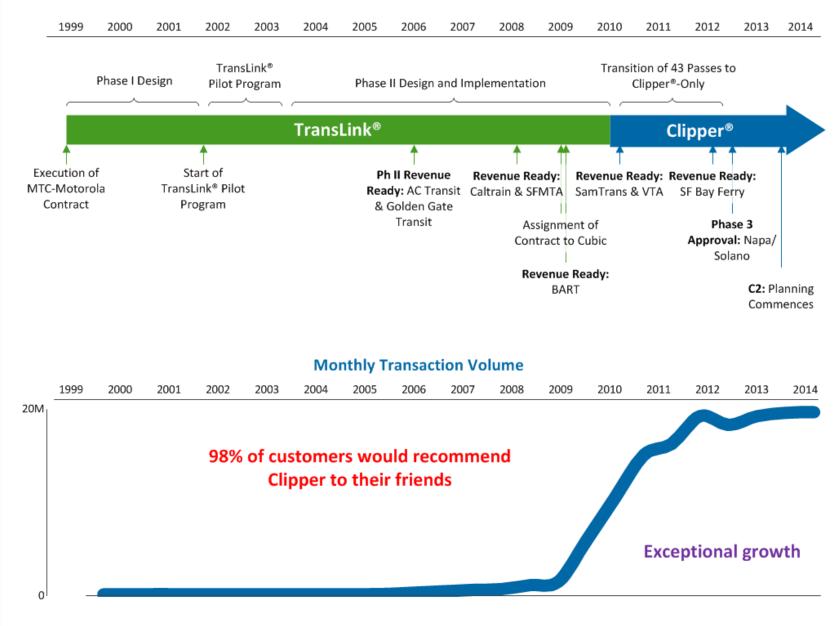


Clipper® Expansion: Phase 3 Operators





Clipper[®] Program History



Fare collection has undergone significant changes over the last 30 years

			Chicago, NY, SF, DC	LA, SF, DC, ATL, Chicago, Boston, SD	Utah, Chicago SEPTA* Portland* DC*	SF* NY*	
Goals	Collect Onboard Reduce Dwell		Electronic Reduce Cash	Regional Reduce Frauc	Convenience Reduce Costs		
Tech	Tokens	Farebox	Magnetics	Smart Cards	Open/Mobile Pa	ayments	
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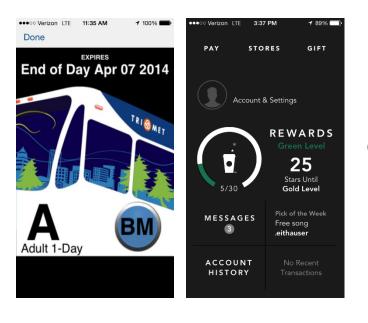


* In development

New Payment Options are Emerging

Payment brands and technology providers are beginning to utilize contactless technology

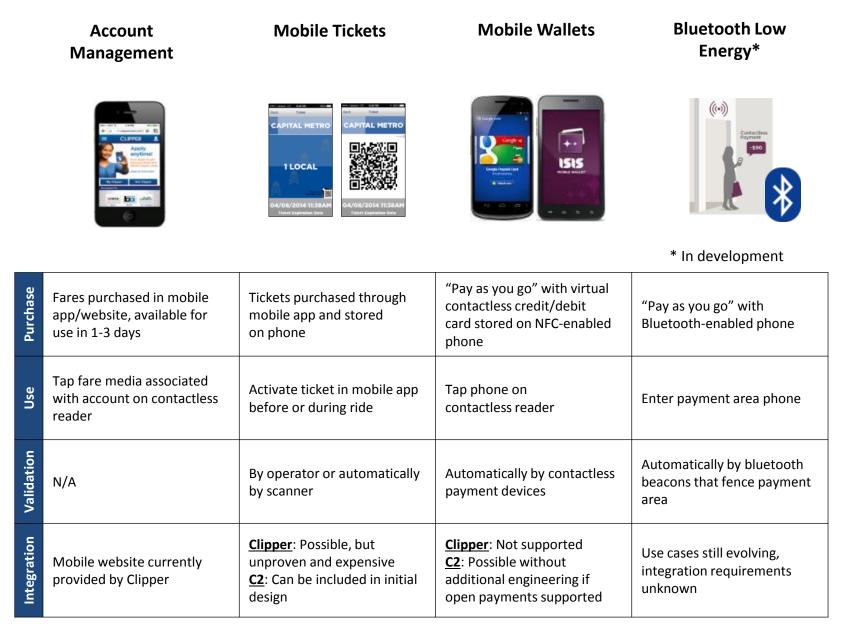




Retailers and transit agencies are deploying apps to enable instant purchases over the air

CLIPPER

Mobile Payment Use Cases



CLIPPER

Smart Card Program Landscape – North America

CONTACTLESS TRANSIT FARE PAYMENT SYSTEMS Vancouver, BC Seattle Montreal Portland Toronto Boston New York San Francisco City Chicago Philadelphia • **Bay Area** Salt Lake City Washington D.C. Denver **Los Angeles** San Diego Atlanta Dallas Houston

- Currently operational
 Operational, developing 2nd generation
- Developing 1st generation



Planning for the Next-Generation Clipper[®] System

- Contract with Cubic ends in November 2019
- System limitations
 - System architecture is from the late 90s
 - Device components approaching end-of-life
 - Complex regional policies limit flexibility
 - Layering in new technologies to integrate with the existing Clipper[®] system would likely be expensive and risky
- Preparing for new procurement
 - Executive, Steering and Long-Range Committees meeting regularly
 - Work on vision for new system, concept of operations, and fare simplification underway





C2 Schedule – Taking the Time to Do it Right

