

Clipper<sup>®</sup> Next Generation Fare Collection Update SFCTA Plans & Programs Committee July 15, 2014

## The Clipper<sup>®</sup> 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







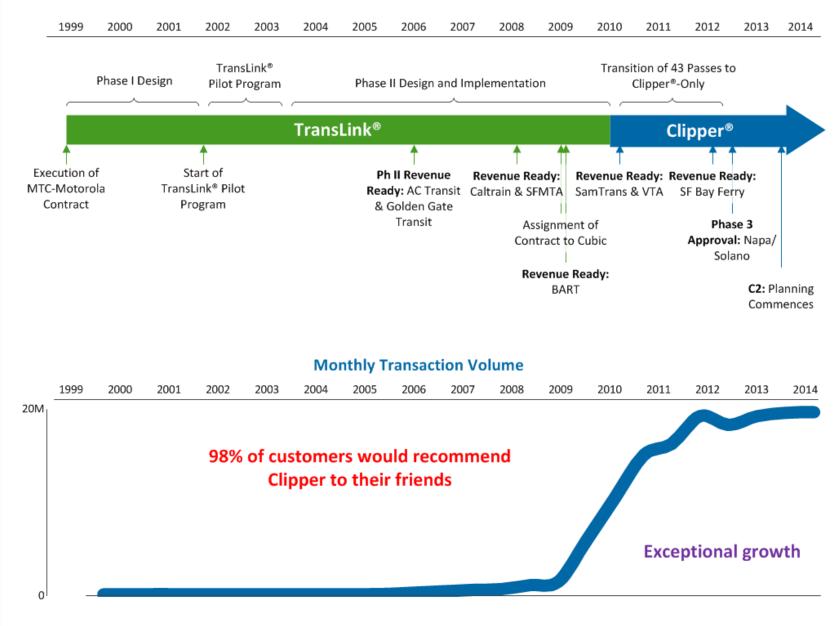


### **Clipper® Expansion: Phase 3 Operators**





# **Clipper<sup>®</sup> 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	
	<b>1</b> 940	<b>1</b> 950	<b> </b> 1990	<b>2</b> 000	2013	3	

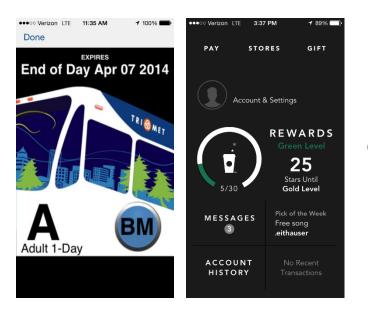


\* In development

#### **New Payment Options are Emerging**

Payment brands and technology providers are beginning to utilize contactless technology

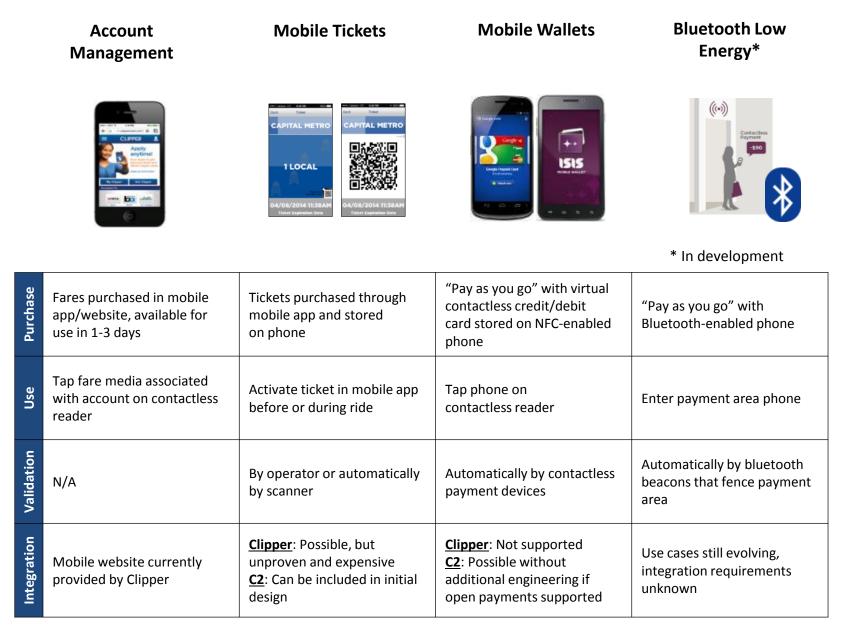




Retailers and transit agencies are deploying apps to enable instant purchases over the air

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#### **Mobile Payment Use Cases**



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### 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<sup>®</sup> 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<sup>®</sup> 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

