

Ticket Vending Machine Migration Summary

TriMet Board Meeting September 16, 2015

Key Objective - Convert Ticket Vending Machines (TVMs) from issuing visually inspected 'flash' media, to electronic tickets in order to:

- Improve customer, operator and fare inspection experience with simple red and green lights
- Electronically manage transfer times
- Achieve consistency with the Hop Fastpass experience of 'tapping' fare
- Reduce reliance on TVMs by giving customers more options for payment by offering Hop card reloads via retail stores, the mobile app and website

Existing Scheidt & Bachmann TVM Fleet

- 250 Ticket Vending Machines (TVMs) and 250 mechanical validators throughout all light rail and commuter rail stations
- Accept cash, coins and bank cards for payment
- Issue visually-inspected paper tickets and passes, valid upon issuance

Future Scheidt & Bachmann eFare TVM Fleet

- 250 eFare Ticket Vending Machines (TVMs) throughout all light rail and commuter rail stations
- Mechanical validators eventually replaced with contactless card validators
- eFare TVM retrofit includes adding an internal reader, new ticket stock with chips for tapping,
 and backend integration with eFare system
- Accept cash, coins and bank cards for payment
- Issue validated tickets and passes with a chip
- Updated TVM backend system
- eFare TVMs will issue 2.5-hour and 1-Day disposable, contactless cards only

Project Cost

Total contract cost is estimated at \$1.3M and is included in the eFare budget

Timeline

October 28, 2015 Seek contract authorization at Board Meeting

November 1, 2015 Notice to Proceed

March 1, 2016 Integrated Lab Testing (estimated)

January 1, 2017 Field retrofit begins one platform at a time (estimated)

December 31, 2017 Retrofit complete (estimated)

Migration Plan

- Riders that choose not to participate in eFare will still have access to 2.5-hour fares with transfers if paying with cash, such as the \$1.25 Honored Citizen fare
- Bus fare boxes and rail TVMs will still accept cash and print transfers valid for 2.5 hours
- Fare Capping is an added benefit accessible to all via eFare, especially beneficial to customers who need to pay as they go
- Retail outlets will accept cash or bank cards and will increase four-fold, from 125 to 500 locations