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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 28, 2015</td>
<td>Seek contract authorization at Board Meeting</td>
</tr>
<tr>
<td>November 1, 2015</td>
<td>Notice to Proceed</td>
</tr>
<tr>
<td>March 1, 2016</td>
<td>Integrated Lab Testing (estimated)</td>
</tr>
<tr>
<td>January 1, 2017</td>
<td>Field retrofit begins one platform at a time (estimated)</td>
</tr>
<tr>
<td>December 31, 2017</td>
<td>Retrofit complete (estimated)</td>
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</tbody>
</table>

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