

San Mateo County Express Lanes Joint Powers Authority Agenda Report

Date: March 11, 2022

To: San Mateo County Express Lanes Joint Powers Authority (SMCEL-JPA) Board of Directors

From: Policy/Program Manager

Subject: # 5.1 Addendum: Receive a presentation providing an update on the operations of the US101 Express Lanes Southern Segment.

(For further information please contact Matthew Click, Policy/Program Manager, MClick@hntb.com.)

See attached presentation providing an update on the operations of the US101 Express Lanes Southern Segment.

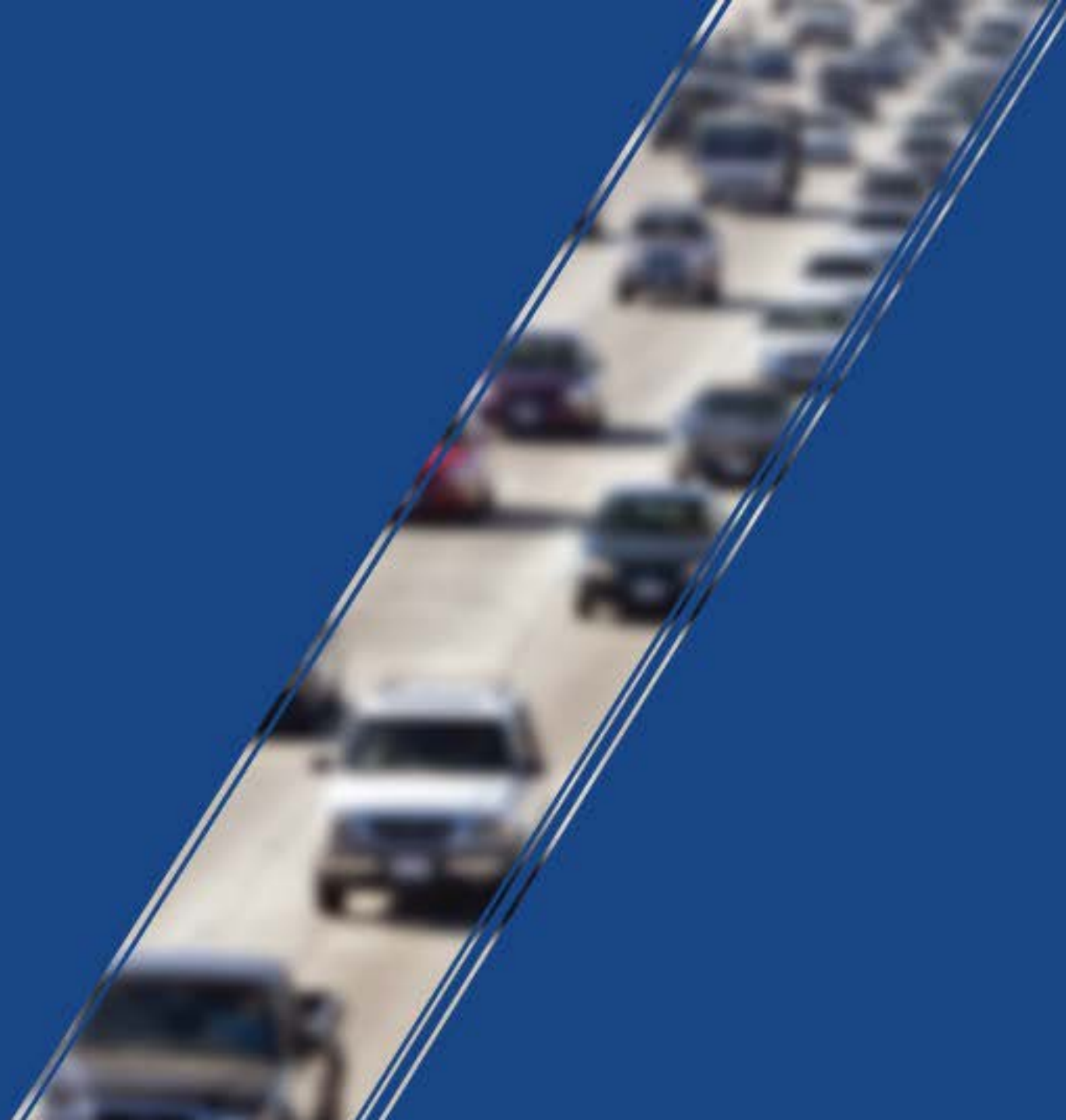
ATTACHMENT

1) Presentation providing an update on the operations of the US101 Express Lanes Southern Segment..



101 Express Lanes Operations Update

March 11, 2022



General Information, Tolling and Revenue

- Opening week data: February 11th to February 17th
- Preliminary data, just for Southern Segment*
- Average toll
 - Southbound = \$1.47
 - Northbound = \$0.77
- Average Potential Daily Revenue for Southern Segment: \$19,700**

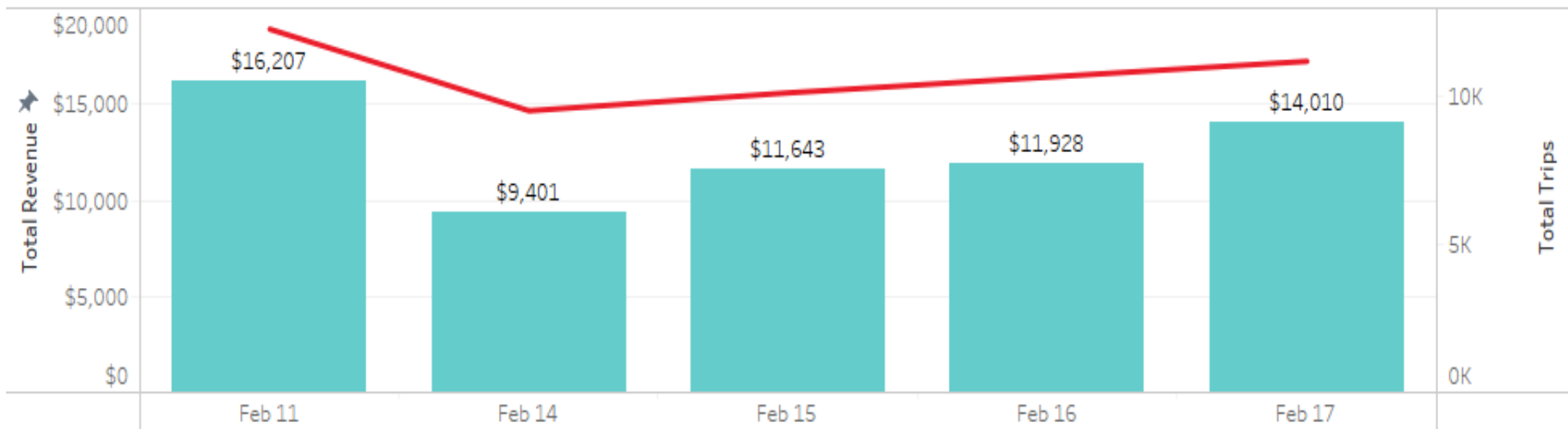
**Southern Segment is between Whipple Ave. and Embarcadero Road*

***Assumes full collection of image-based tolls and no leakage from all account types*

Southbound Trips and Potential Revenue

- Opening day saw the highest trips
- Average Daily Southbound Trips were 10,715

Trips & Potential Revenue - SB



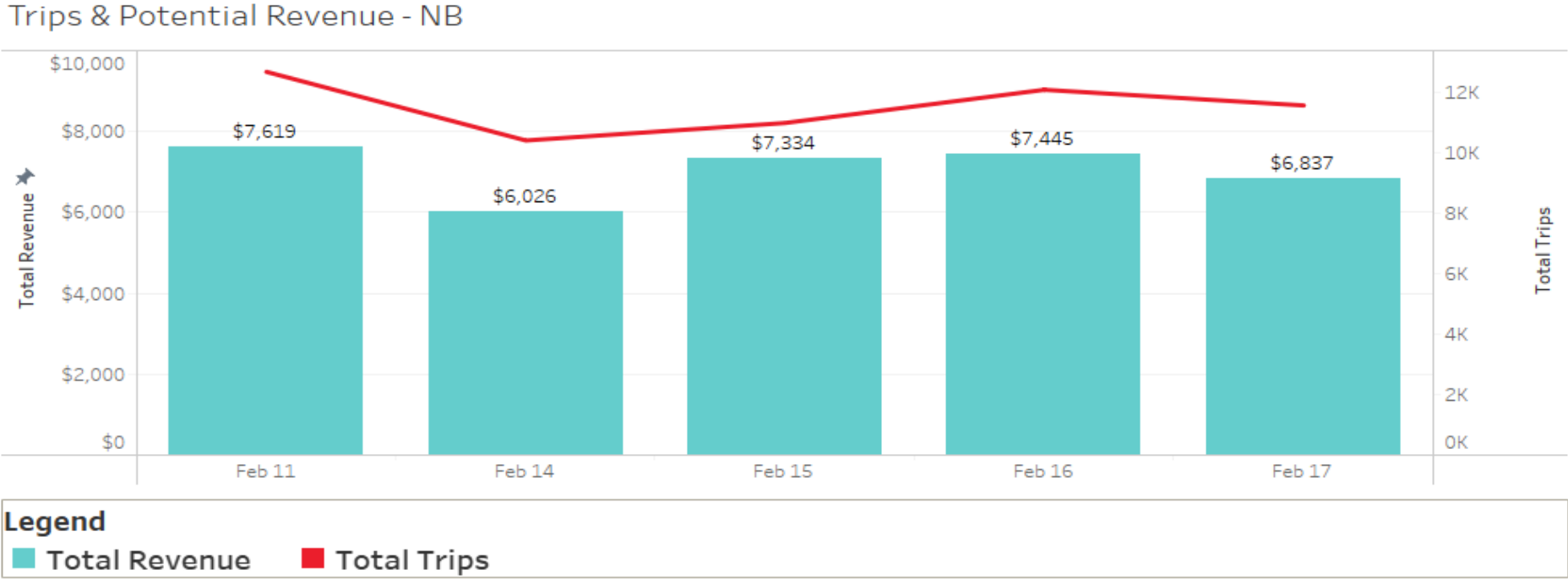
Legend

- Total Revenue
- Total Trips

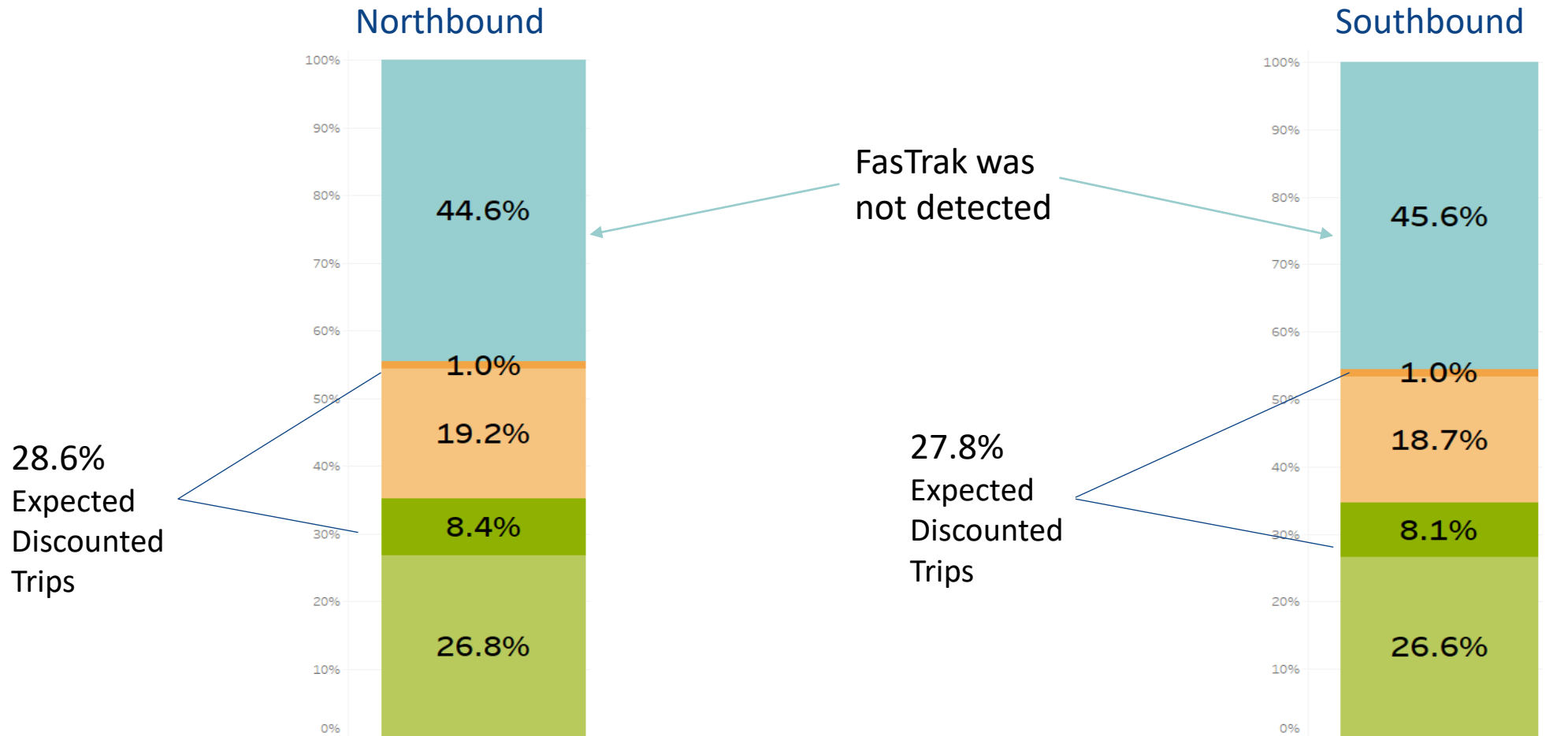


Northbound Trips and Potential Revenue

- Fairly steady daily trips
- Average Daily Northbound Trips were 11,555



Average Declared Occupancy (Feb 11-17)

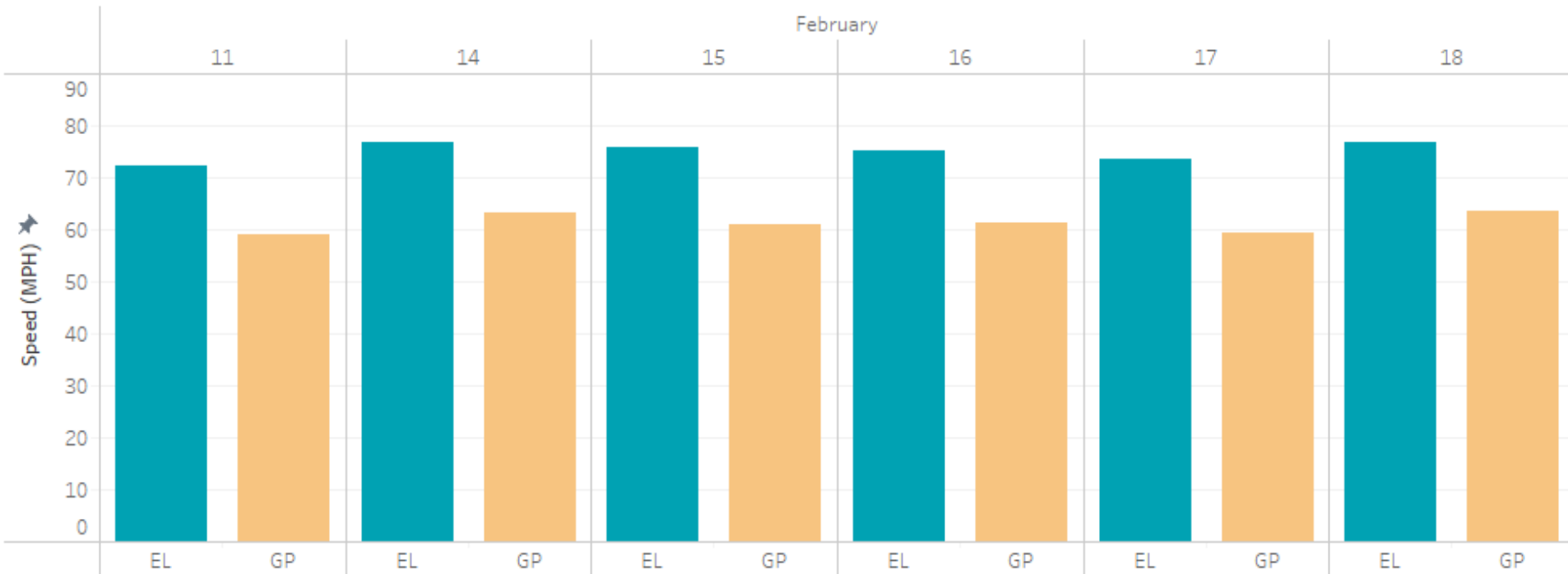


Declared Occupancy

- IBT % (Image Based Trip transactions FasTrak not detected)
- CAV %
- HOV3 %
- HOV2 %
- SOV %

Express Lanes Speeds - Southbound

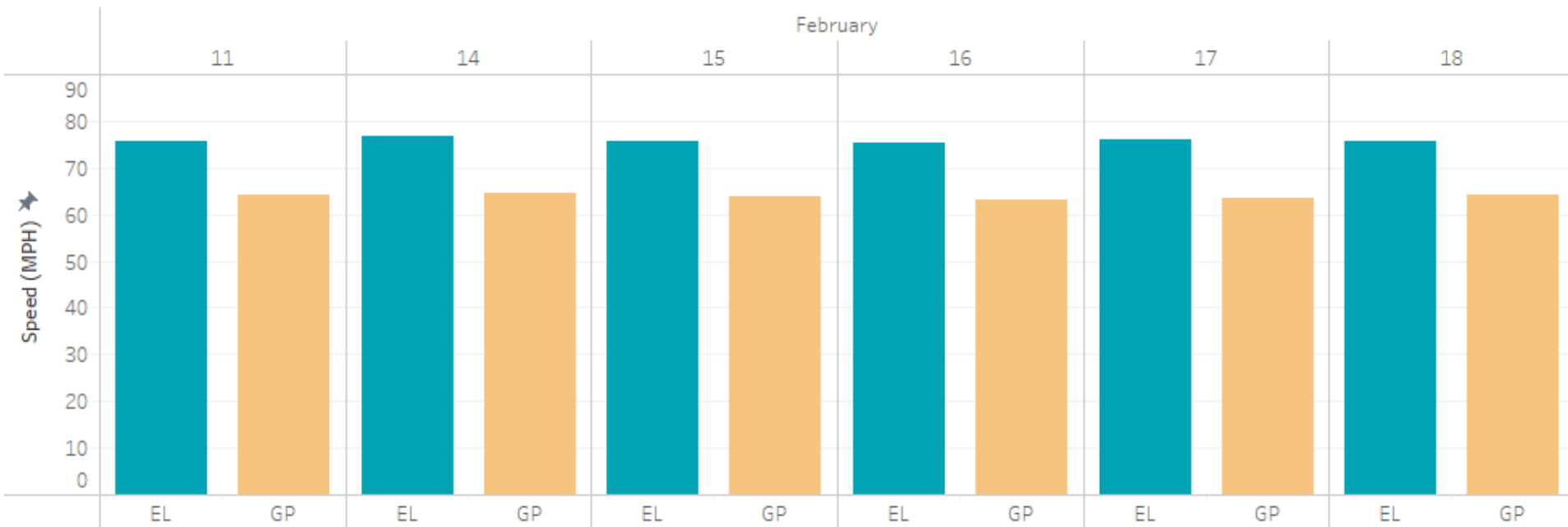
Average Daily Speed - Southbound



- Express lanes operating at ~10 mph faster than general purpose
- EL = Express Lanes / GP = General Purpose

Express Lanes Speeds - Northbound

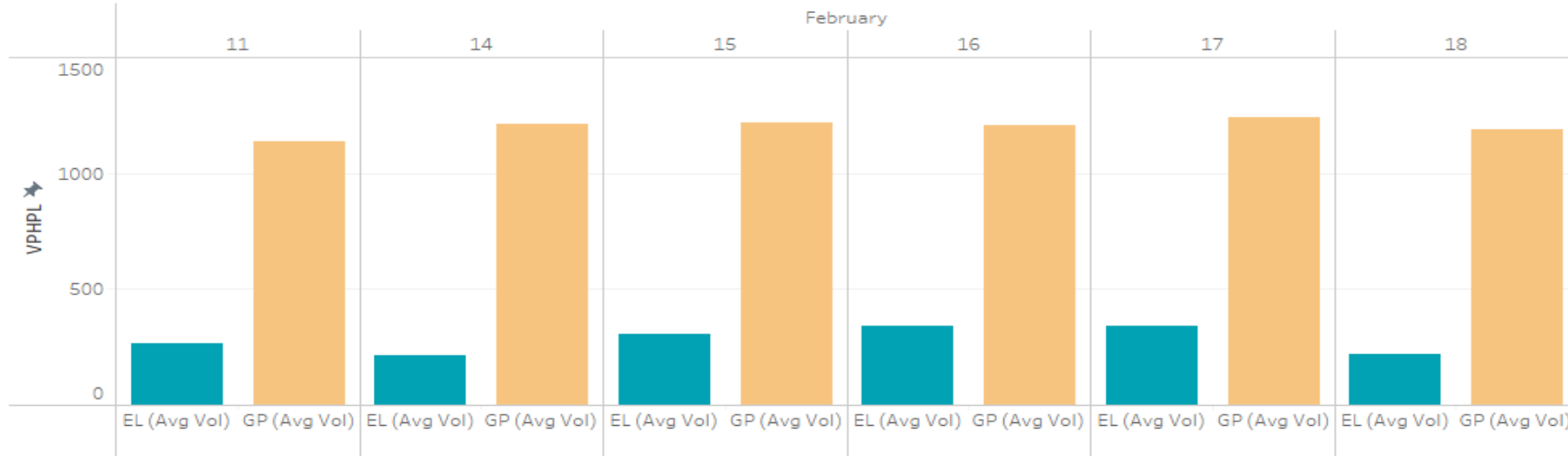
Average Daily Speed - Northbound



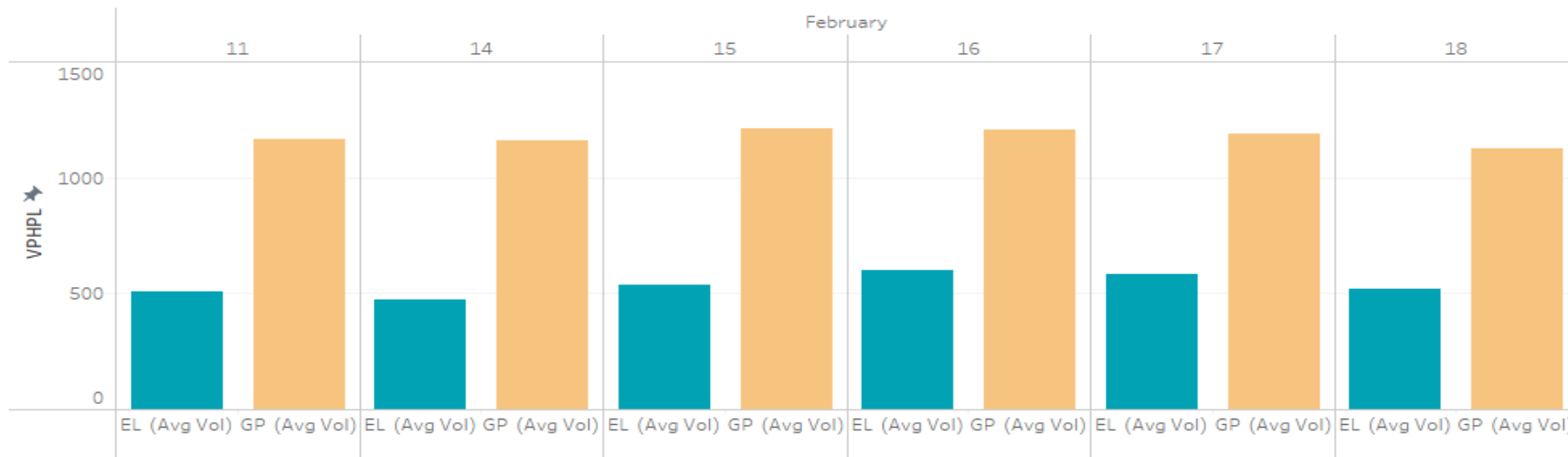
- Express lanes operating at ~10 mph faster than general purpose
- EL = Express Lanes / GP = General Purpose

Average Hourly Lane Volume Differential – AM Peak Period (6am – 9am)

Average AM Volume - Southbound



Average AM Volume - Northbound

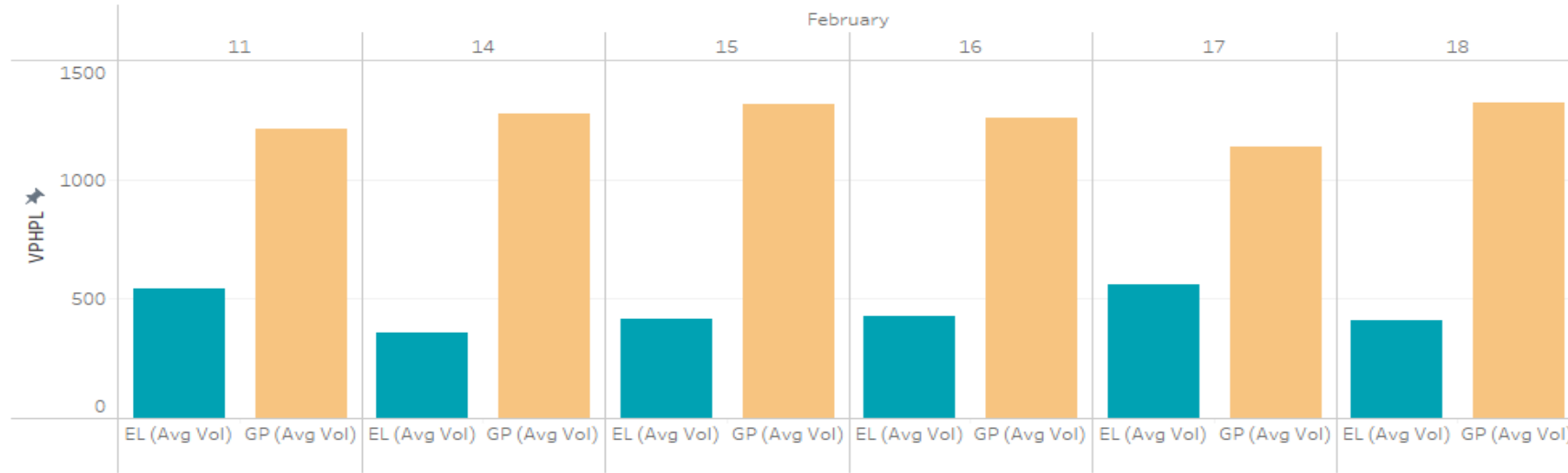


General purpose (GP) lanes offering good Level of Service, considerable Express Lane (EL) capacity remains available

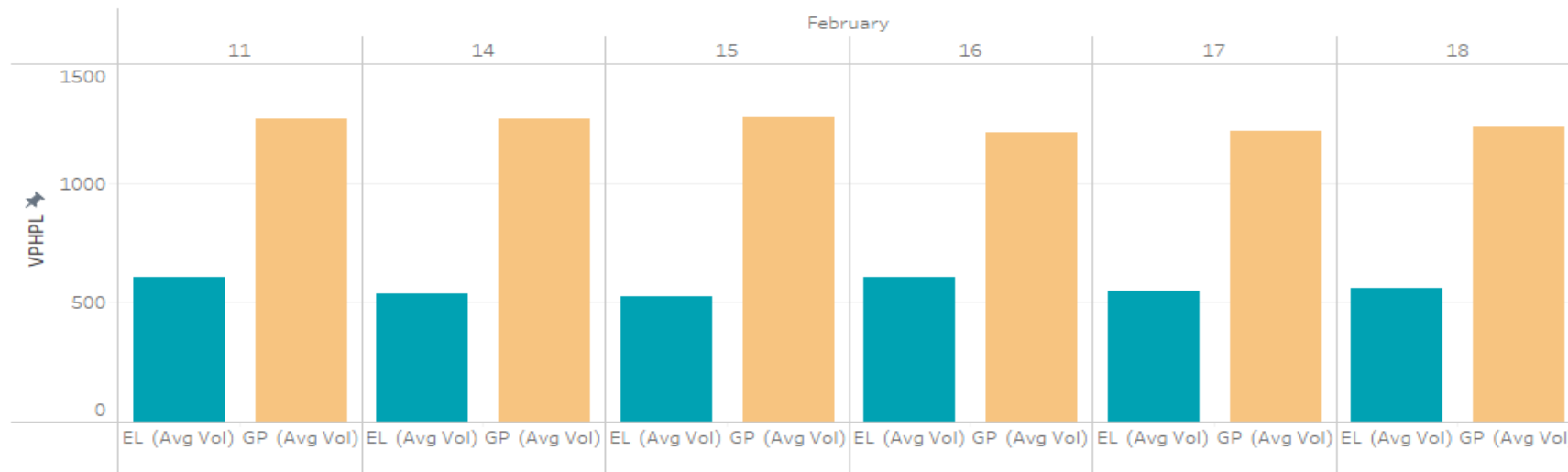


Average Hourly Lane Volume Differential - PM Peak Period (3pm-6pm)

Average PM Volume - Southbound



Average PM Volume - Northbound



General purpose (GP) lanes offering good Level of Service, considerable Express Lane (EL) capacity remains available





Questions?

101 Express Lanes
Operations Update