

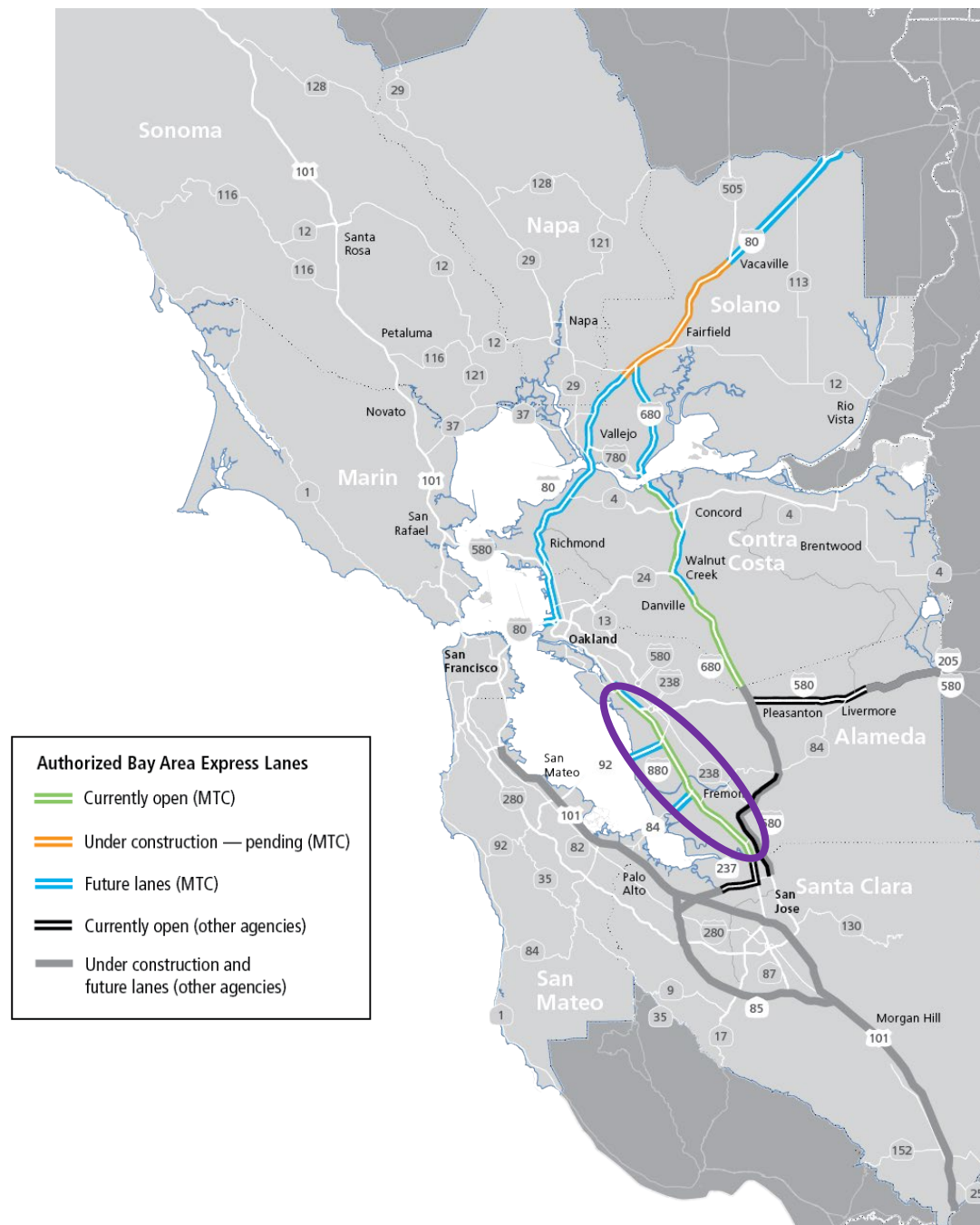
I-880 Express Lanes Early Performance

Pre-tolling (August 2020)

Post-tolling (March 2021 – June 2021)



I-880 Express Lanes



BAIFA Express Lanes Operational Goal

Provide a reliable, congestion-free lane for buses, carpools and toll-paying single-occupant vehicles



I-880 Managed Lanes Policies

	Before October 2, 2020	Present Condition
Managed Lane Status	HOV Lanes	Express Lanes
Occupancy Policy	2+ carpools	3+ toll free; 2-person: half toll; Solo drivers: full toll
Clean Air Vehicle (CAV) Policy	CAV – allowed	CAV must use FasTrak; Solo CAV driver: half toll
Hours	Monday – Friday: 5 – 9 AM and 3 – 7 PM	Monday – Friday: 5 AM – 8 PM
FasTrak Policy	No FasTrak tag requirements	Discounted travelers require FasTrak Flex or FasTrak CAV tag
Lane Access Restrictions	None – dashed line	Double white lines for approximately half the corridor length

880 Lane Performance Measures

Measure	Data Source	Data Notes
1. Traffic Speed	Toll System Data (Wavetronix)	System data – Reliable
2. Vehicle Throughput	Toll System Data	System data – Reliable
3. Vehicle Occupancy & Vehicle Type (observed)	Manual Vehicle Occupancy Counts	Challenging to collect with 100% accuracy
4. Vehicle Occupancy (declared)	Toll System Data	System data – Reliable Declaration itself relies on driver honesty

Before Data: August 2020

After Data: March 2021 – June 2021

Northbound Managed Lane Speed Increased

Managed Lane

General Purpose Lanes

May 2019

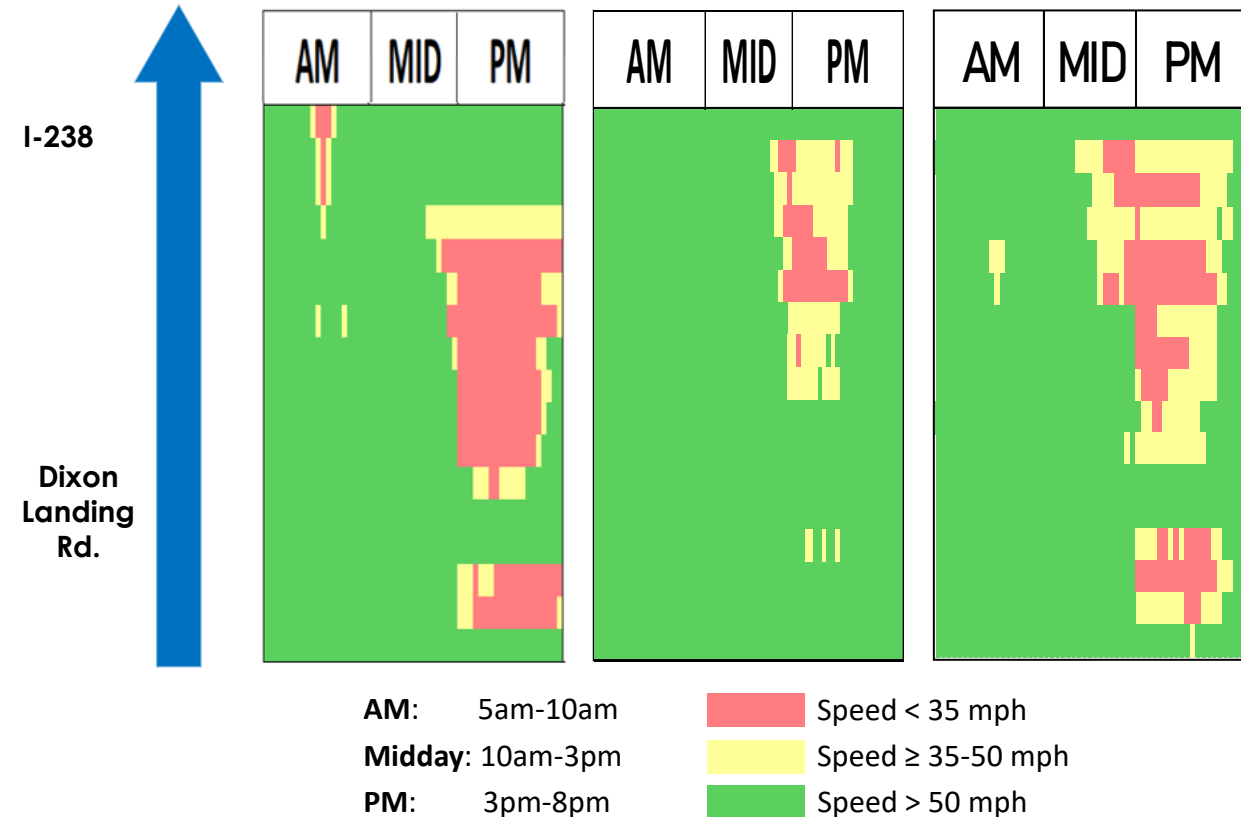
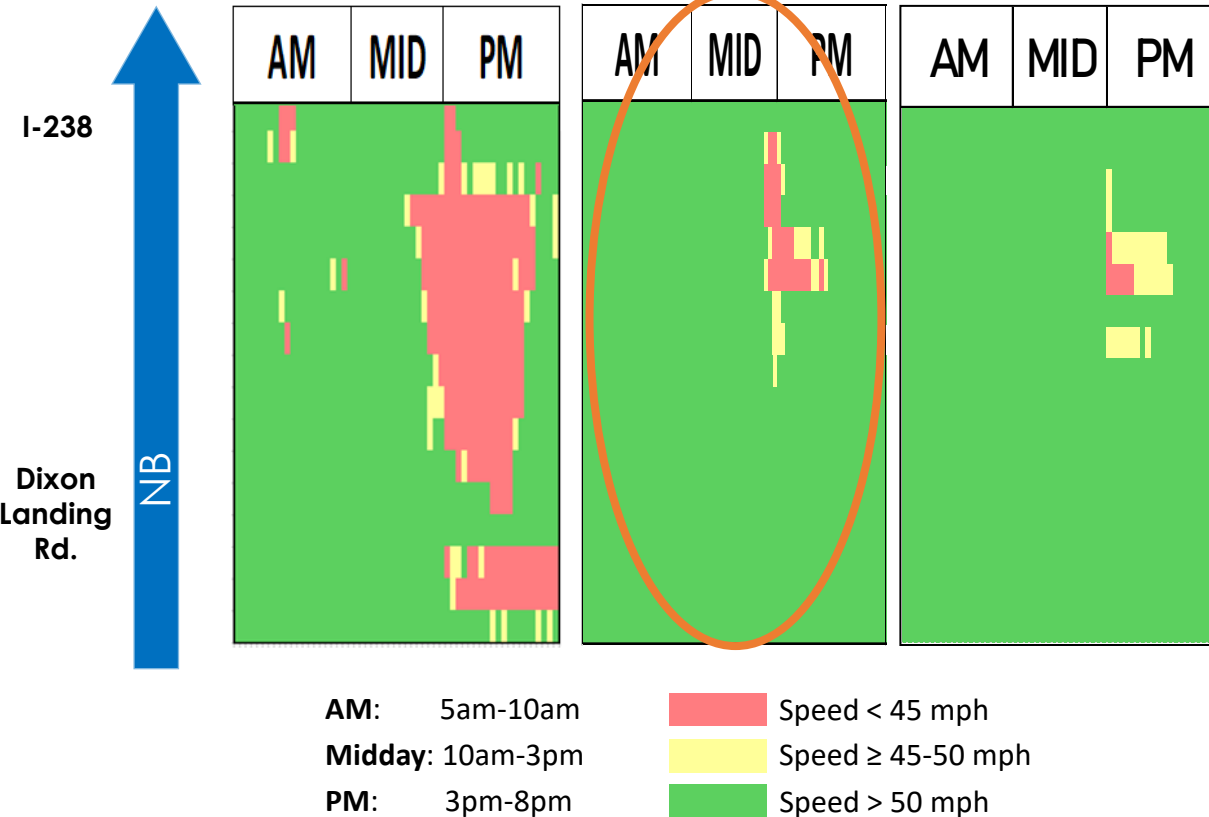
Aug 2020

Jun 2021

May 2019

Aug 2020

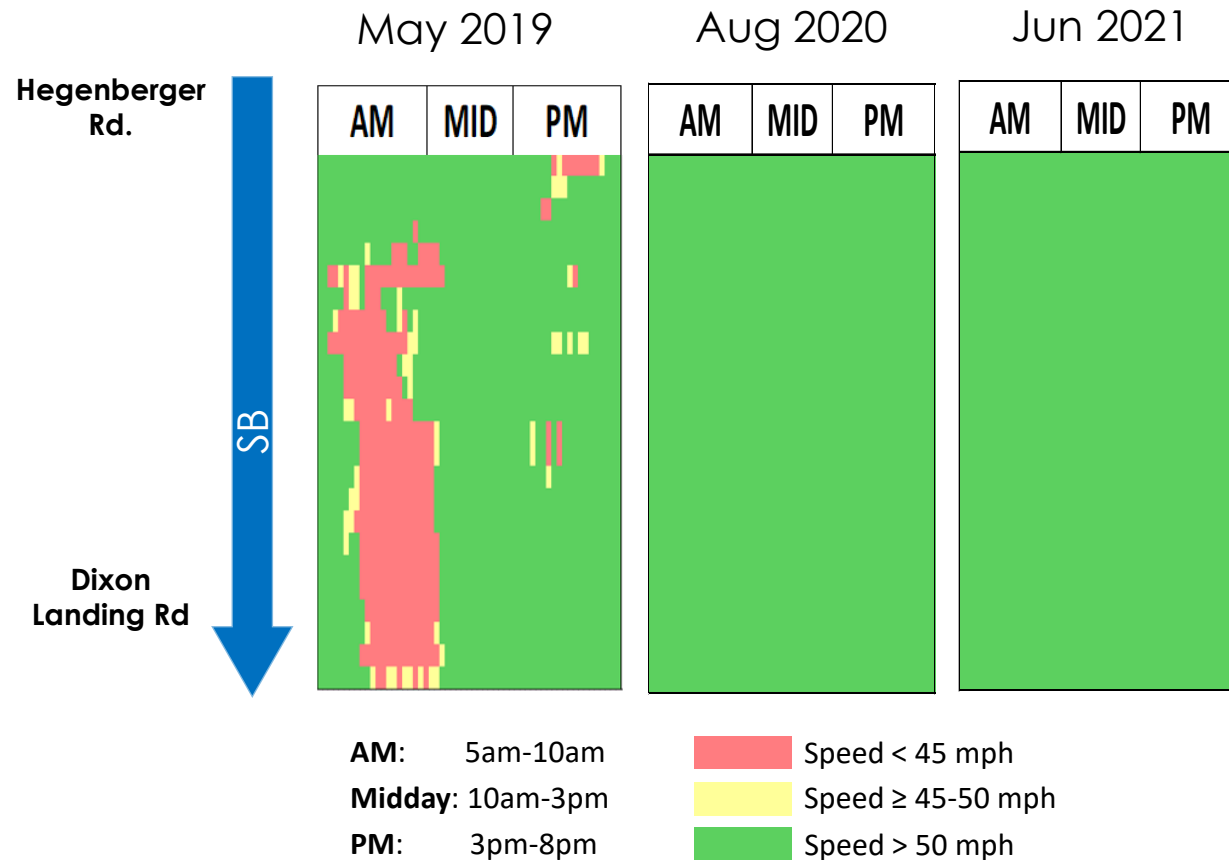
Jun 2021



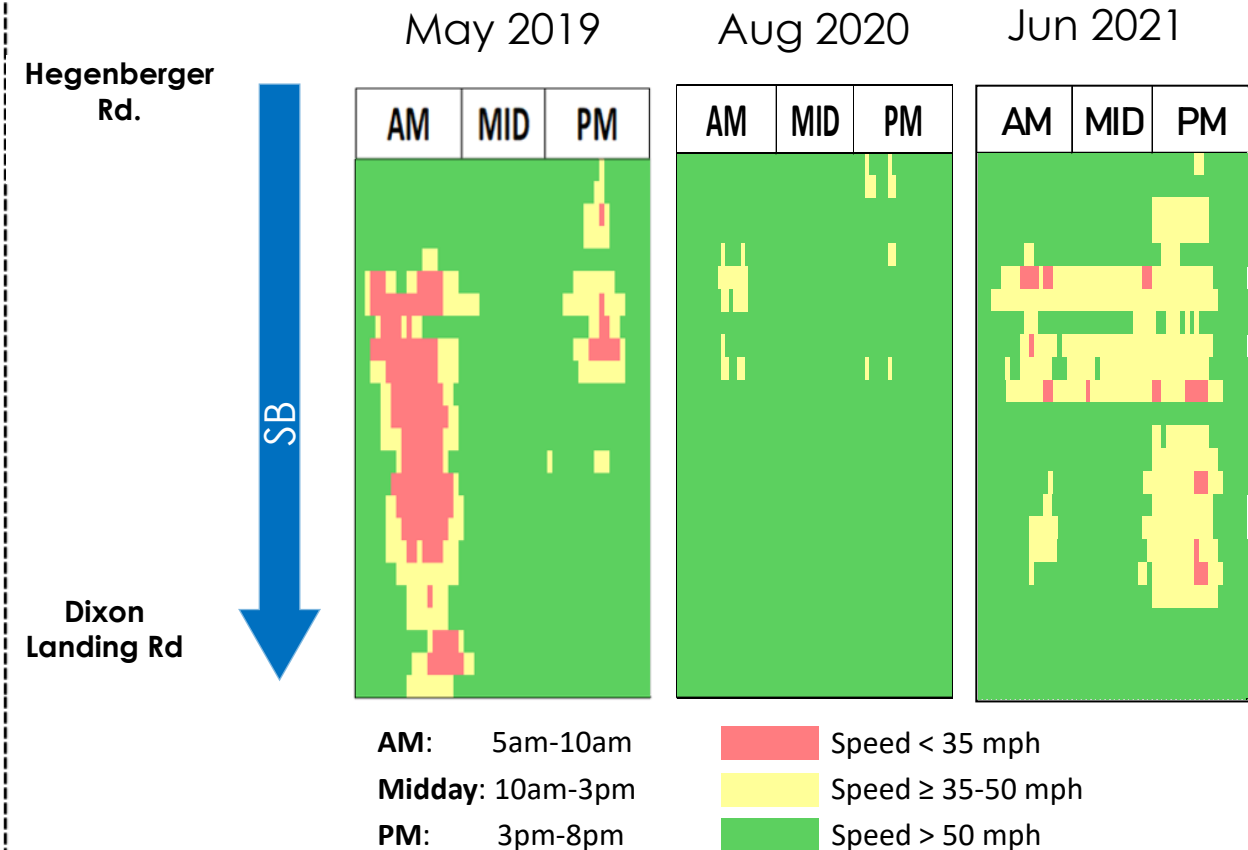
* Based on Wavetrax toll system data for typical weekdays (Tuesdays-Thursdays)

Southbound Managed Lane Speed Maintained

Managed Lane

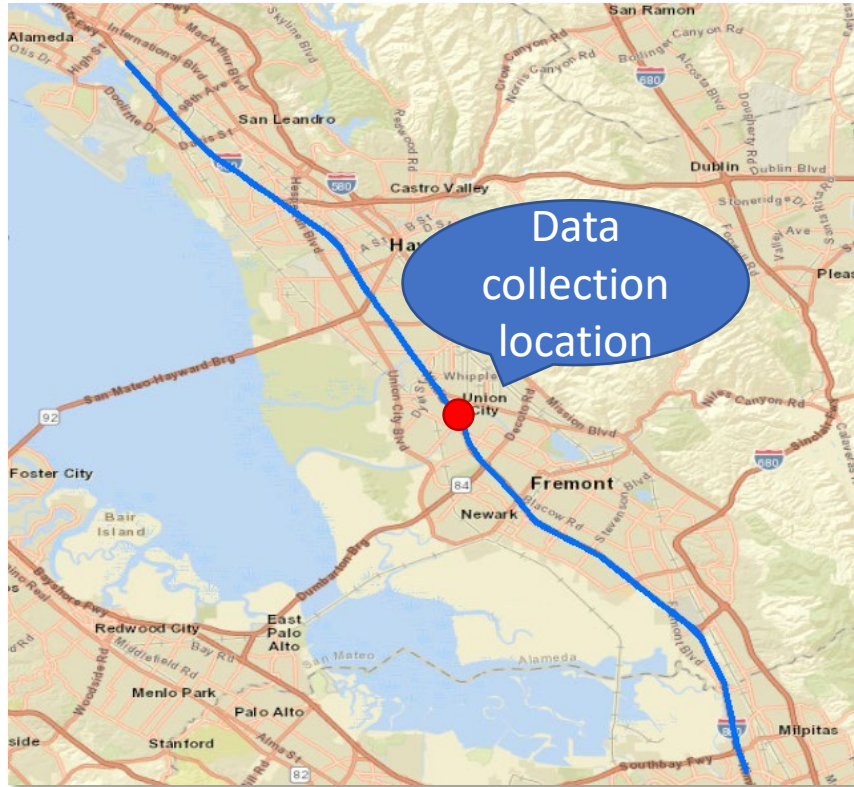


General Purpose Lanes



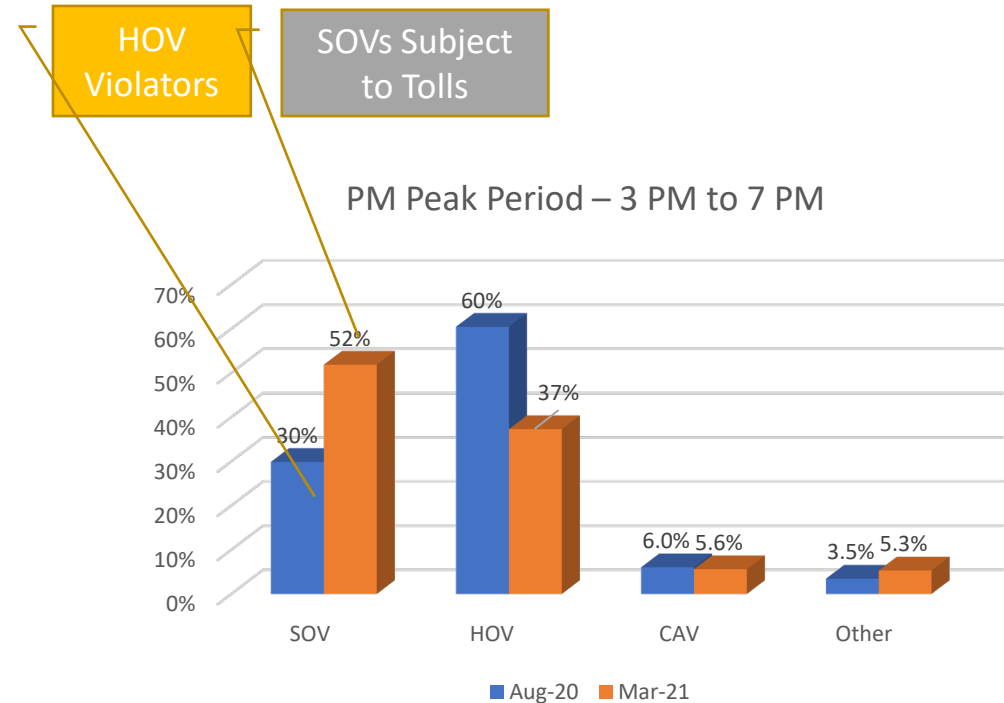
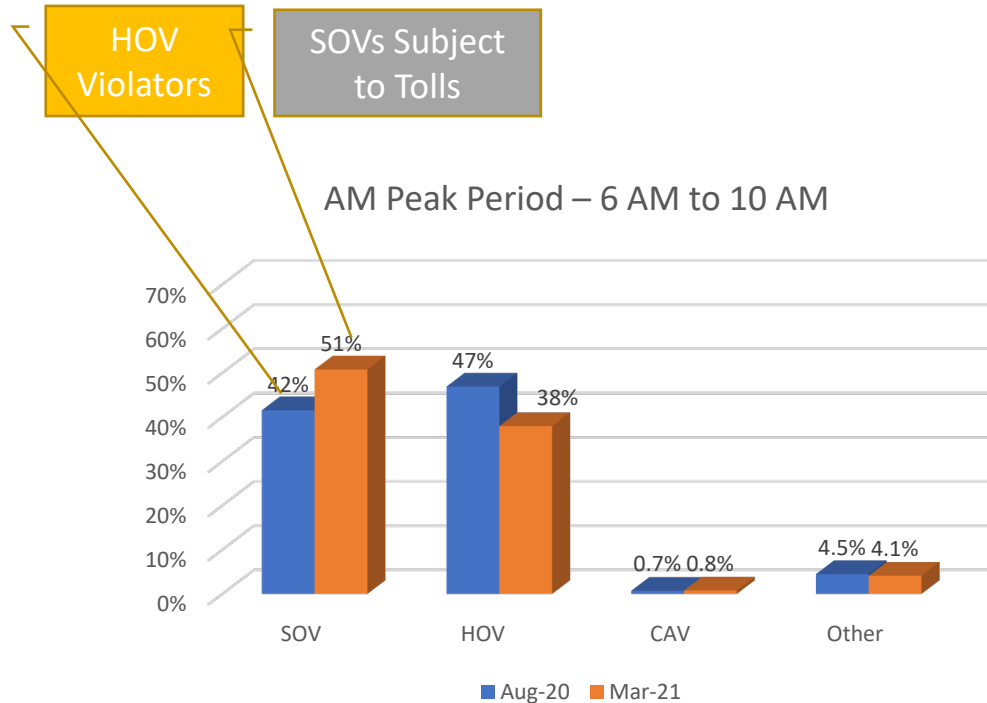
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Vehicle Throughput Maintained; Vehicle Shift in Lanes

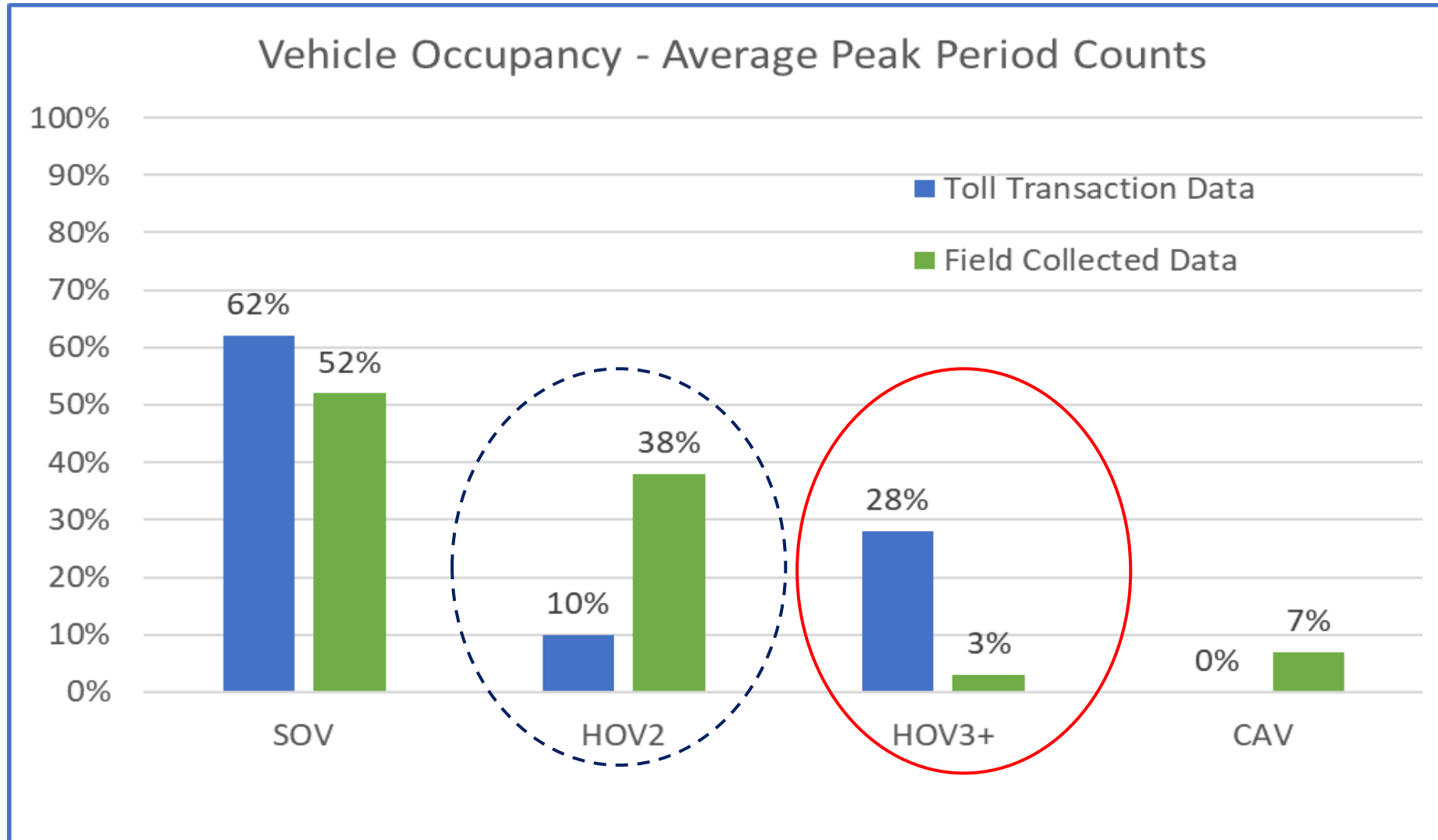


AM Peak Period (6-10a)				
	Lane Group	Throughput (Veh/Hr)		Difference
		Aug-20	Mar-21	
Northbound	HOV/EL	2.4 K	1.6 K	-34%
	GP	18.0 K	19.7 K	9%
	Corridor	20.4 K	21.2 K	4%
Southbound (peak dir)	HOV/EL	4.6 K	4.3 K	-7%
	GP	21.7 K	22.2 K	2%
	Corridor	26.3 K	26.5 K	1%
PM Peak Period (3-8p)				
	Lane Group	Throughput (Veh/Hr)		Difference
		Aug-20	Mar-21	
Northbound (peak dir)	HOV/EL	5.6 K	4.7 K	-16%
	GP	22.0 K	22.3 K	1%
	Corridor	27.6 K	27.0 K	-2%
Southbound	HOV/EL	3.8 K	3.2 K	-16%
	GP	20.8 K	21.0 K	1%
	Corridor	24.6 K	24.2 K	-2%

Managed Lane Vehicle Occupancy - High HOV violations before tolling and carpool decline after tolling



Express Lane Vehicle Occupancy - More claim toll-free status than observed



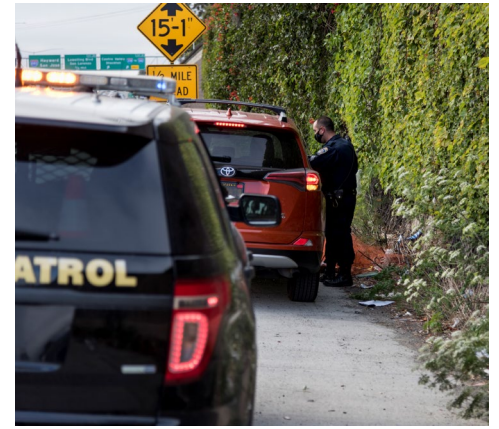
Note: License Plate trips registered by the toll system are counted as SOV trips

Express Lane Performance Findings

- I-880 Express Lanes are
 - Largely congestion free
 - Faster than general purpose lanes
- Vehicle throughput maintained
- Tag rule compliance needs to be improved



Action Items



- On-corridor messaging
- Marketing: GET, SET, GO!
- CHP Partnership





I-880 BAIFA Express Lanes Performance

