

# BAIFA Express Lanes Operations Report 1st Quarter 2024: January - March

## I-680 Contra Costa and I-880 Express Lanes



Bay Area Infrastructure Financing Authority Network and Operations Committee  
July 12, 2024

# I-680 Contra Costa Express Lanes

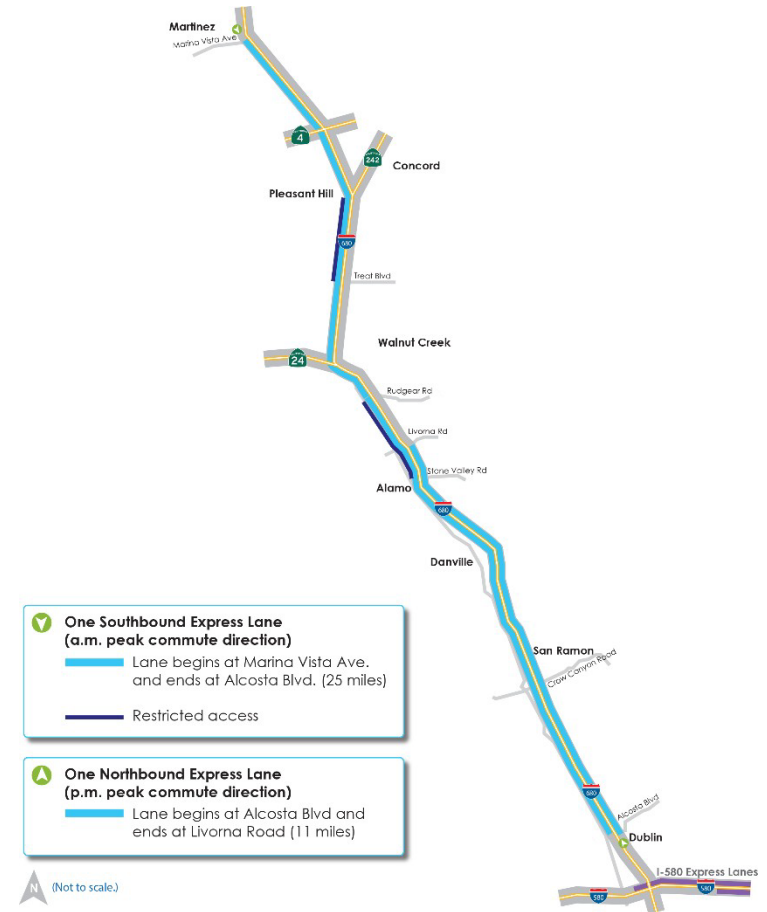




# I-680 Contra Costa Express Lanes Policies

- Tolling Hours are 5 a.m. to 8 p.m. Monday – Friday.
- All drivers must have a FasTrak® account to avoid penalties.
  - Solo drivers can carry a standard FasTrak tag\* or a FasTrak Flex® tag set to 1 or pay tolls via license plate.
  - Carpools (2+) travel toll-free with FasTrak Flex toll tags set to 2 or 3+.
  - Motorcycles travel toll-free with FasTrak Flex toll tags set to 3+.
  - Solo-drivers in eligible clean-air vehicles (CAV) pay half-price tolls with FasTrak CAV toll tags set to 1.

\*Standard FasTrak tags do not have a switch and were issued prior to January 2020.



Carpools		All Drivers	
Must Have FasTrak Flex®		Must Have FasTrak®	
<p><b>FREE</b></p>	<p><b>HALF TOLL</b></p>	<p><b>FULL TOLL</b></p>	<p><b>FULL TOLL</b></p>
<p>Motorcycles are <b>FREE</b> with FasTrak Flex toll tag set to 3+.</p>		<p>Clean Air Vehicles pay half-price tolls with FasTrak CAV toll tag.</p>	

# I-680 Contra Costa Express Lanes – Q1 2024 Highlights

- 2.2 million express lane trips were made in Q1 2024. The Average Daily Trip count (ADT) decreased 7% from the prior quarter (Q4 2023), which led to a 4% decrease in total trips. Compared to a year ago (Q1 2023), total trips and ADT increased by 4%.
- The share of toll-free HOV 2+ trips was 42%, the same as Q4 2023 but up 2% from Q1 2023. This share has ranged between 30% and 46% per quarter over the history of the lanes and was at its highest in Q1 2020.
- 11% of express lane trips were violations – unpaid trips made without a FasTrak account – the same as Q4 2023 and Q1 2023.
- Q1 2024 toll revenue was \$3.2M, down 14% from Q4 2023 but up 11% from Q1 2023. Tolloed trips decreased 3% from Q4 2023 and decreased 1% from Q1 2023. The average toll paid decreased 12% from Q3 2023 but increased 12% from Q1 2023.

The goal of express lanes is to maximize lane use while keeping traffic moving to encourage carpooling and transit ridership.

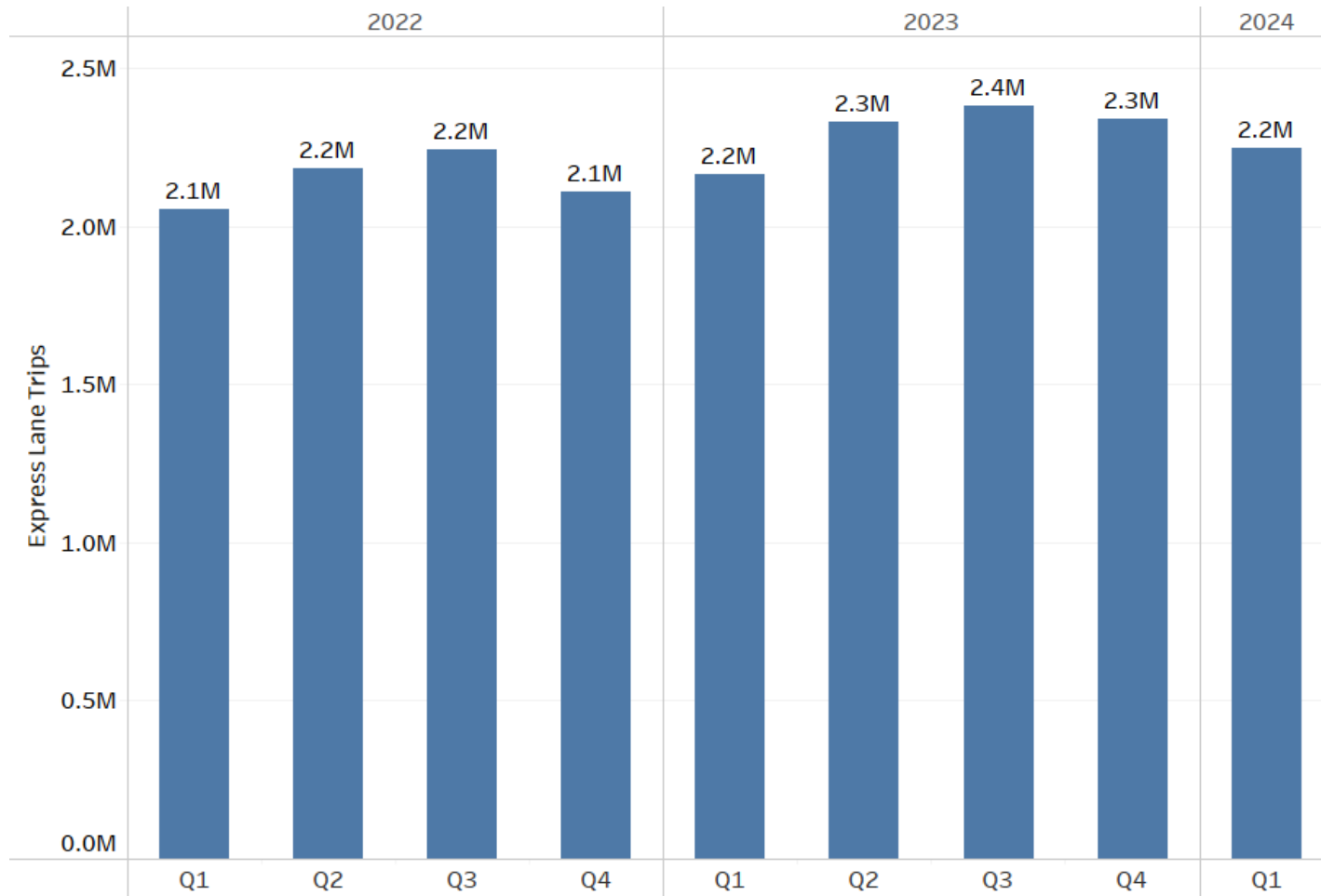
# I-680 Contra Costa Express Lanes – Q1 2024

## Performance Highlights, continued

- Corridor-length northbound travel was slowest between 4:00 p.m. and 5:00 p.m. when express lane speed averaged 66 mph (10 mph faster than the general-purpose lanes) and the average toll paid peaked at \$7.10.
- Corridor-length southbound travel was slowest between 8:00 a.m. and 9:00 a.m. when express lane speed averaged 67 mph (11 mph faster than the general-purpose lanes) and the average toll paid peaked at \$6.70.
- CHP made 1,232 enforcement contacts, of which 35% resulted in citations related to carpool occupancy. Enforcement contacts were up 35% and occupancy citations were up 72% compared to Q1 2023.

# I-680 Express Lane Trips

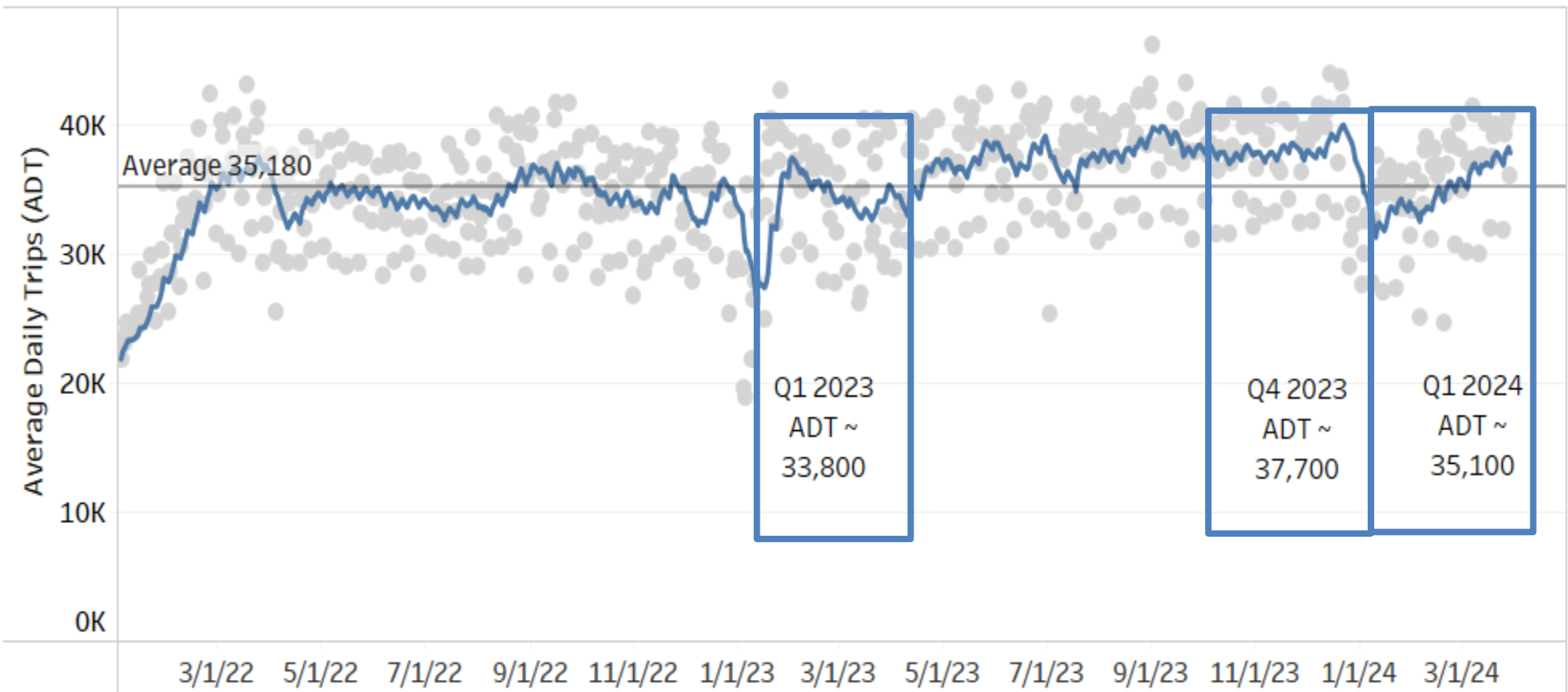
2.2 million express lane trips were made in Q1 2024. Trips were down 4% from the prior quarter (Q4 2023) and up 4% from Q1 2023.



# I-680 Average Daily Express Lane Trips

The Average Daily Trip (ADT) count from January 1, 2022 through March 31, 2024 was about 35,180. Q1 2024 ADT was about 35,100, a 6.9% decrease from the prior quarter and an 3.8% increase from a year ago (Q1 2023).

Average Daily Trips (ADT) (grey dots) with 10-day Moving Average (blue line) (Northbound & Southbound)



# I-680 Express Lanes Trip Type

## Share of Trips:

### Toll-free trips (HOV 2+) = 42%

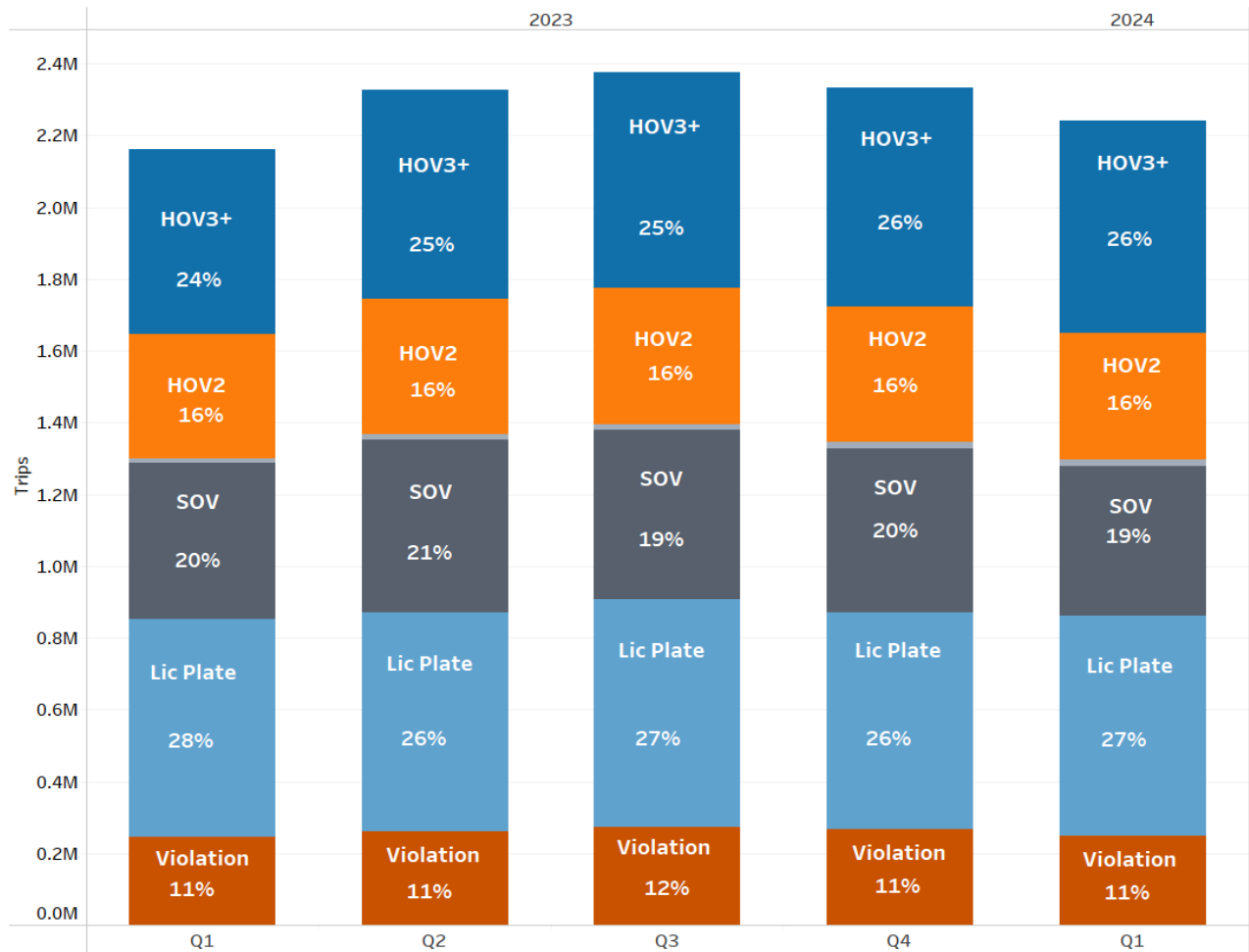
- Same as Q4 2023 and 2% more than Q1 2023

### Tolled trips (full toll + half-toll) = 47%

- 46% full toll (SOV toll tag + license plate match) + 1% half toll (Clean Air Vehicles)
- Same as Q4 2023
- Down 2% from Q1 2023

### Violation trips = 11%

- No toll account
- Same as Q4 2023
- Same as Q1 2023

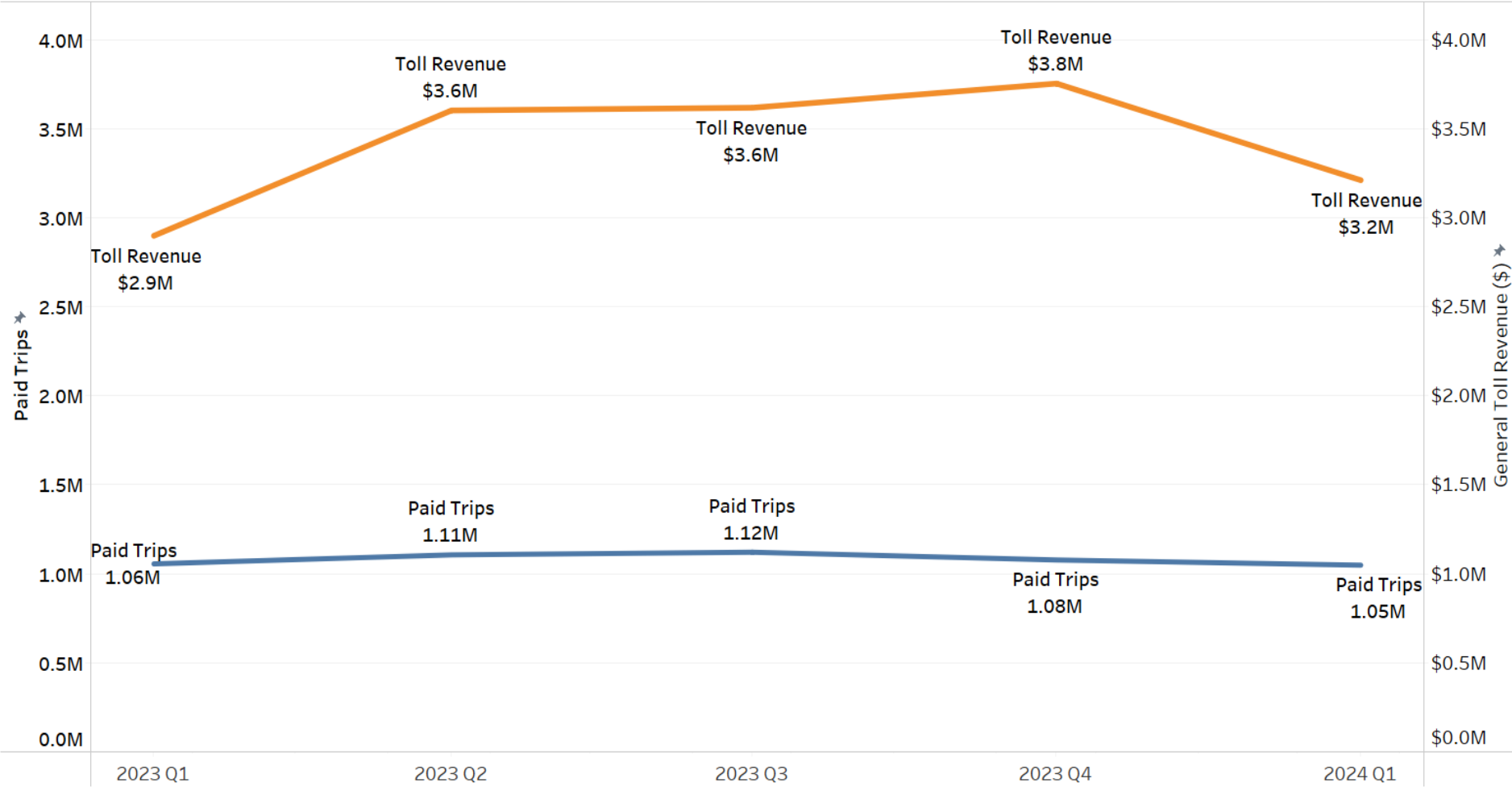


In each quarter, <1% to 1% of trips were made with Clean Air Vehicle Tags set to “1”, represented by the thin grey segments in the above bar chart.



# I-680 Express Lanes General Toll Revenue and Tolled Trips

Q1 2024 Change	Toll Revenue	Tolled Trips	Average Toll Paid
from Prior Quarter (Q4 2023)	Down 14%	Down 3%	Down 12%
Year over Year (Q1 2023)	Up 11%	Down 1%	Up 12%



# I-680 Express Lanes Northbound Peak Traffic and Corridor- Length Speed

## Peak Traffic

Time	3 p.m. – 5:30 p.m.
Location	Approaching El Cerro Blvd
Express Lane Speed	67 mph
GP Lane Speed	57 mph
Speed Differential	10 mph
Express Lane Volume	868 vehicles
GP Lane Volume	1,305 vehicles

## Corridor-Length Slowest Travel

Time	4 p.m. – 5 p.m.
Express Lane Speed	66 mph
GP Lane Speed	56 mph
Speed Differential	10 mph

# I-680 Express Lanes Southbound Peak Traffic and Corridor- Length Speed

## Peak Traffic

Time	7 a.m. - 9 a.m.
Location	Approaching Treat Blvd
Express Lane Speed	68 mph
GP Lane Speed	58 mph
Speed Differential	10 mph
Express Lane Volume	543 vehicles
GP Lane Volume	1,242 vehicles

## Corridor-Length Slowest Travel

Time	8 a.m. – 9 a.m.
Express Lane Speed	67 mph
GP Lane Speed	56 mph
Speed Differential	11 mph

# I-680 Express Lanes Tolls

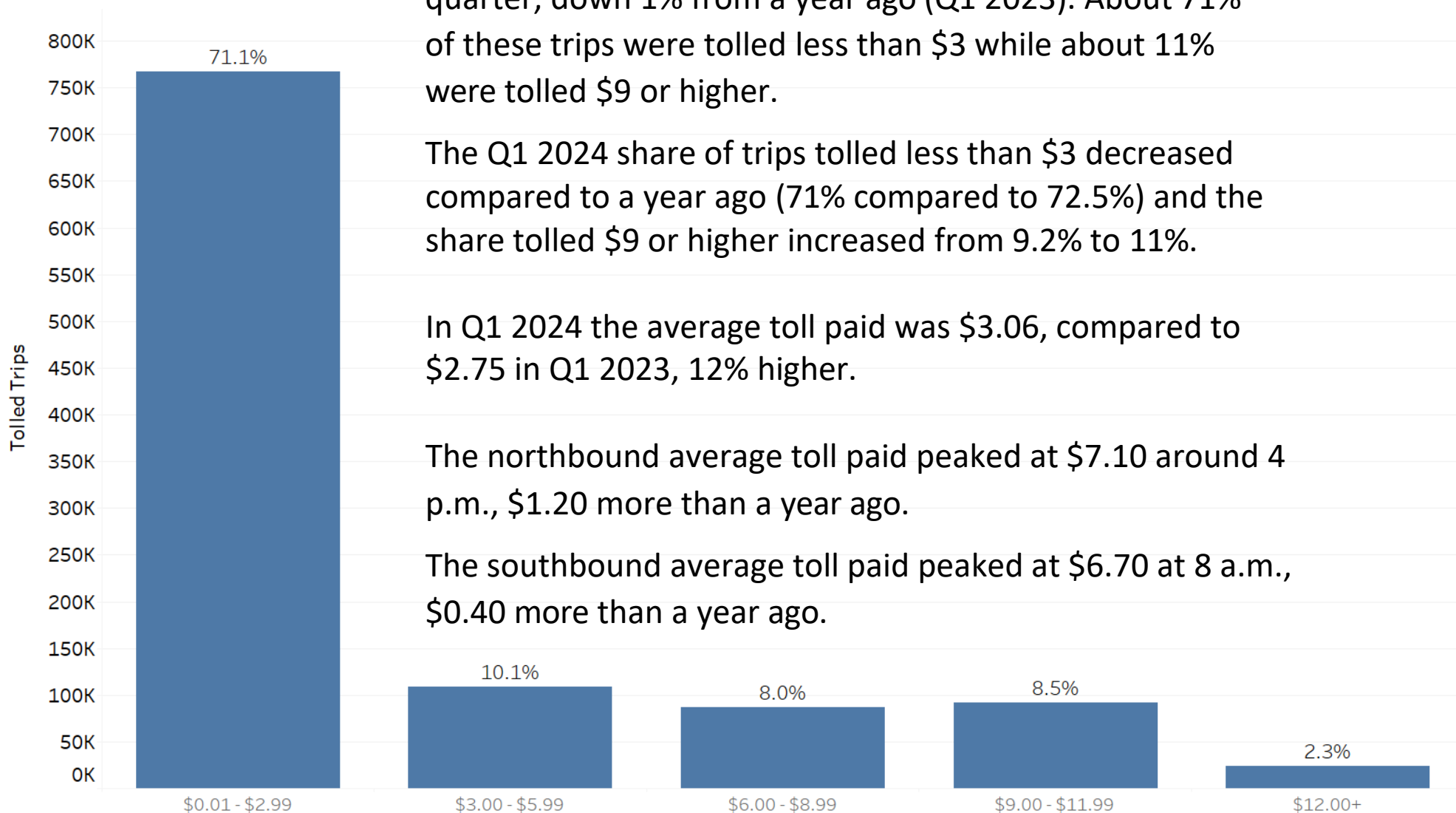
Drivers made 1,048,336 tolled express lane trips in the quarter, down 1% from a year ago (Q1 2023). About 71% of these trips were tolled less than \$3 while about 11% were tolled \$9 or higher.

The Q1 2024 share of trips tolled less than \$3 decreased compared to a year ago (71% compared to 72.5%) and the share tolled \$9 or higher increased from 9.2% to 11%.

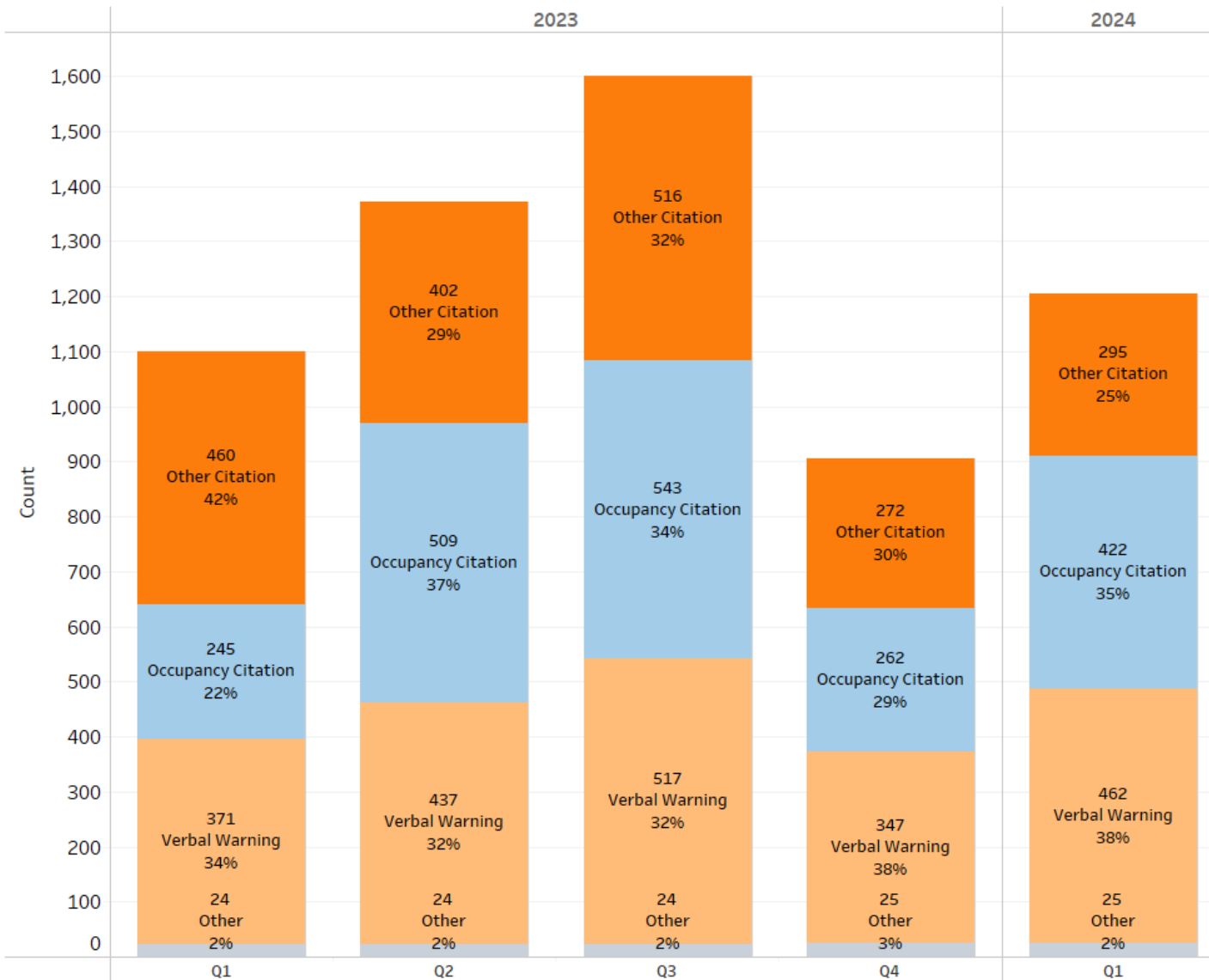
In Q1 2024 the average toll paid was \$3.06, compared to \$2.75 in Q1 2023, 12% higher.

The northbound average toll paid peaked at \$7.10 around 4 p.m., \$1.20 more than a year ago.

The southbound average toll paid peaked at \$6.70 at 8 a.m., \$0.40 more than a year ago.



# I-680 Express Lanes CHP Enforcement



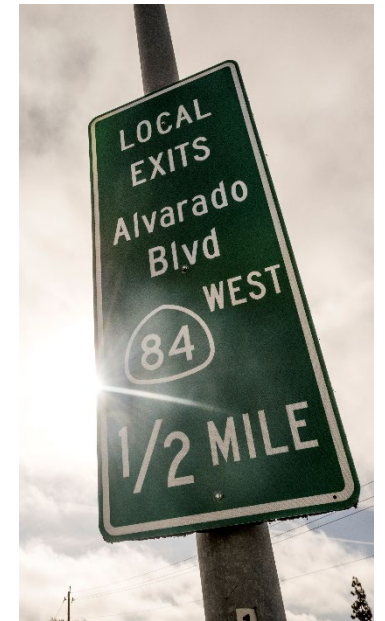
CHP provided 1,129 enforcement hours in the quarter, filling 89% of requested hours and resulting in 1,232 enforcement contacts. CHP's performance was affected by general staffing shortages and the holidays.

35% of Q1 2024 contacts were related to carpool occupancy violations.

The average cost to BAIFA per enforcement contact was \$130.



# I-880 Express Lanes



Bay Area Infrastructure Financing Authority Network and Operations Committee  
July 12, 2024

# I-880 Express Lanes Policies

- Tolling Hours are 5 a.m. to 8 p.m. Monday – Friday.
- All drivers must have a FasTrak® account to avoid penalties.
  - Solo drivers can carry a standard FasTrak tag\* or a FasTrak Flex® tag set to 1 or pay tolls via license plate.
  - Carpools (3+) travel toll-free with FasTrak Flex toll tags set to 3+.
  - Carpools (2) pay half-price tolls with FasTrak Flex toll tags set to 2.
  - Motorcycles travel toll-free with FasTrak Flex toll tags set to 3+.
  - Solo-drivers in eligible clean-air vehicles (CAV) pay half-price tolls with FasTrak CAV toll tags set to 1.

\*Standard FasTrak tags do not have a switch and were issued prior to January 2020.



## I-880 Express Lanes – Q1 2024 Performance Highlights

- 4.1 million express lane trips were made in Q1 2024. The Average Daily Trip count (ADT) of 65,200 was up 3% from the prior quarter (Q4 2023) and up 7% from a year ago (Q1 2023).
- The share of toll-free HOV 3+ trips was 44%, the same as Q4 2023 and up 4% from Q1 2023. The share of half-price HOV 2 trips was 7%, the same as last quarter (Q4 2023) and last year (Q1 2023).
- 12% of express lane trips were violations - trips made without a FasTrak account. The share was down 2% from the prior quarter (Q4 2023) and 1% from the prior year (Q1 2023).
- Quarterly toll revenue was down 15% from the last quarter but up 10% from a year ago (Q1 2023). Tolloed trips were up 2% and 5% from Q4 2023 and Q1 2023, respectively. The average toll paid was down 16% from Q4 2023 but up 5% from Q1 2023.

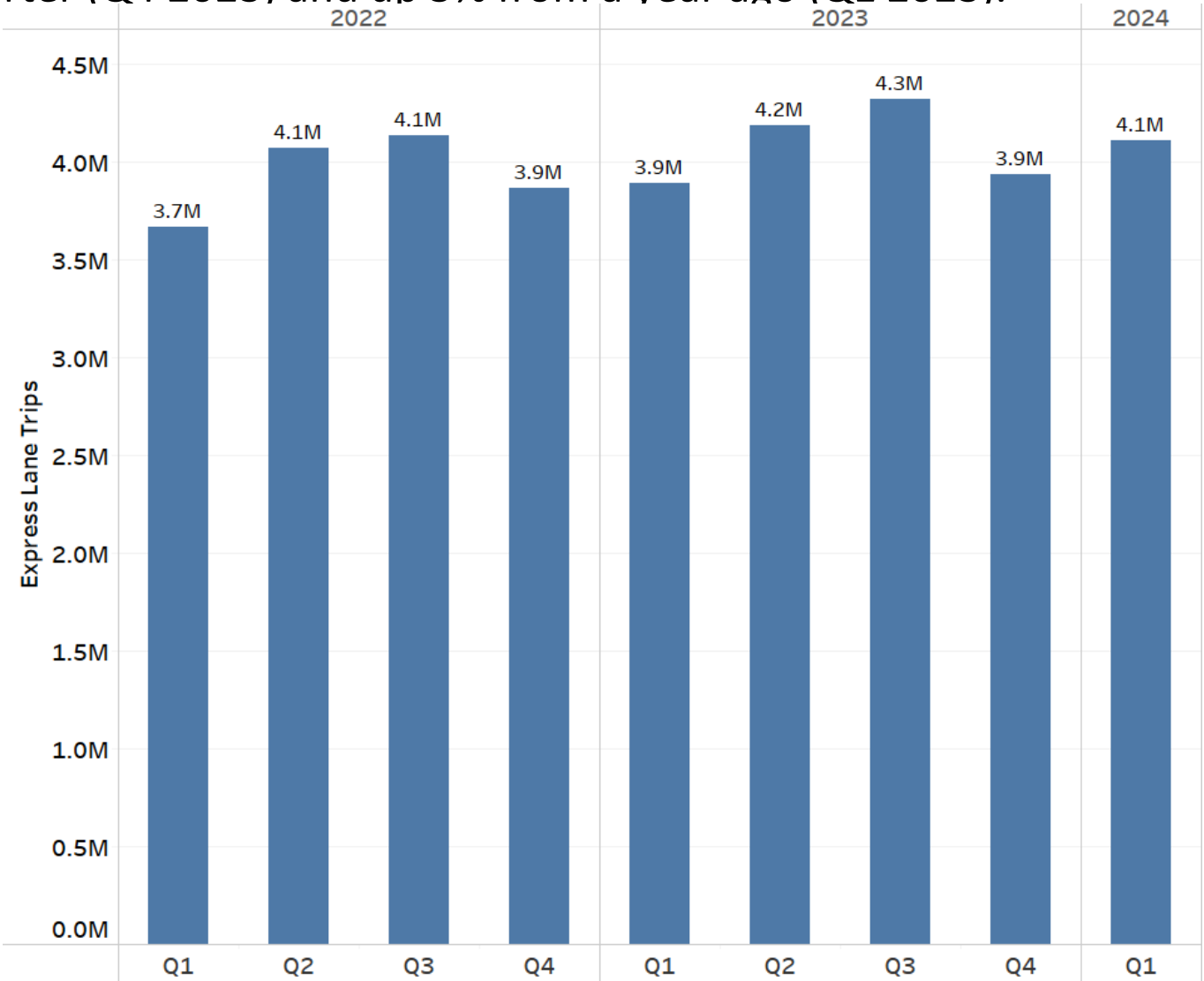
The goal of express lanes is to maximize lane use while keeping traffic moving to encourage carpooling and transit ridership.

## I-880 Express Lanes – Q1 2024 Performance Highlights, continued

- Corridor-length northbound travel was slowest between 5 p.m. and 6 p.m. when express lane speed averaged 50 mph (17 mph faster than the general-purpose lanes). The northbound average toll paid peaked at \$13.00 around 4 p.m.
- Corridor-length southbound travel was slowest between 8 a.m. and 9 a.m. when express lane speed averaged 56 mph (12 mph faster than the general-purpose lanes). The southbound average toll paid peaked at \$11.20 around 7 a.m.
- CHP spent 2,504 hours patrolling the I-880 express lanes, resulting in 2,597 enforcement contacts. Of those, 17% resulted in citations for crossing double white lines and 26% in citations related to carpool occupancy.

# I-880 Express Lane Trips

4.1 million express lane trips were made in Q1 2024. Trips were up 4% from the prior quarter (Q4 2023) and up 5% from a year ago (Q1 2023).

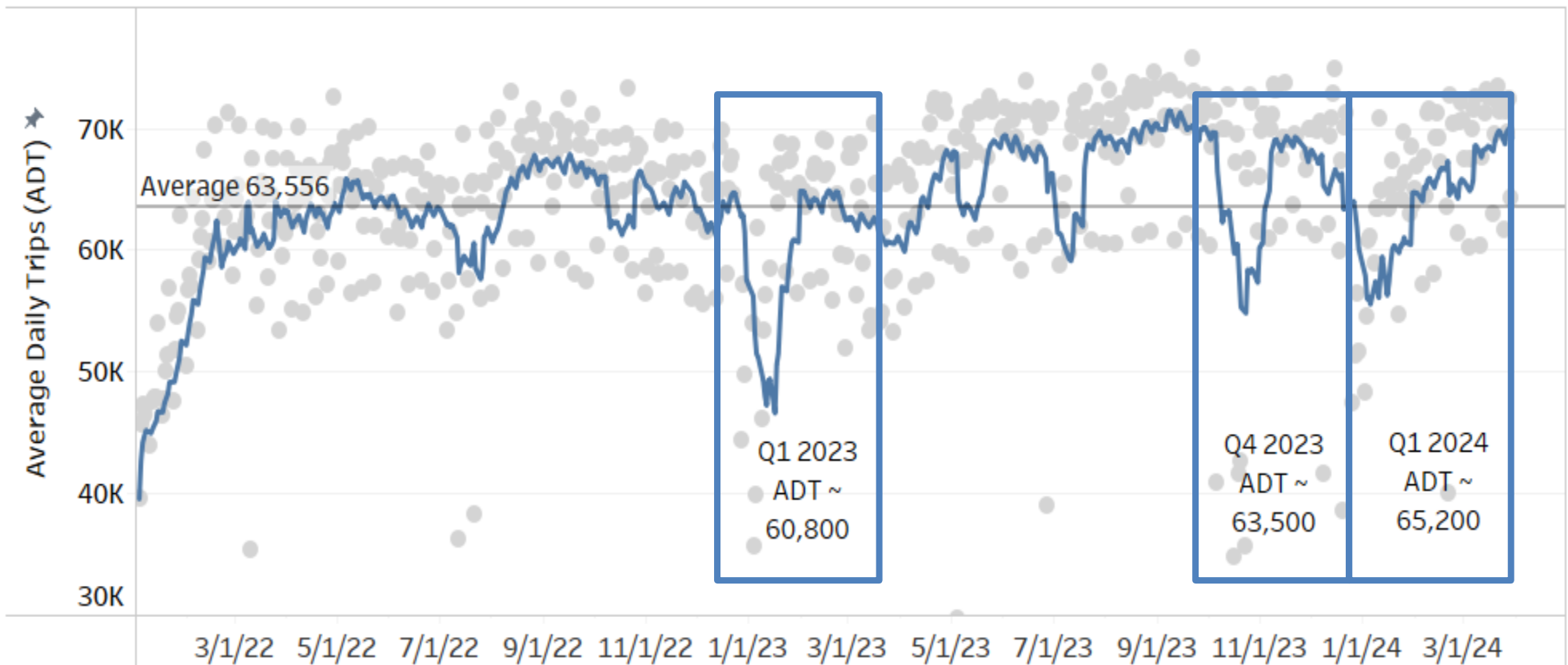




# I-880 Express Lane Average Daily Express Lane Trips

The Average Daily Trip (ADT) count from January 1, 2022 through March 31, 2024 was 63,556. Q1 2024 ADT was about 65,200, a 3% increase from the prior quarter and a 7% increase from a year ago (Q1 2023).

Average Daily Trips (ADT) (grey dots) with 10-day Moving Average (blue line) (Northbound & Southbound)



# I-880 Express Lane Trip Type

## Share of Trips:

### Toll-free trips (HOV 3+) = 44%

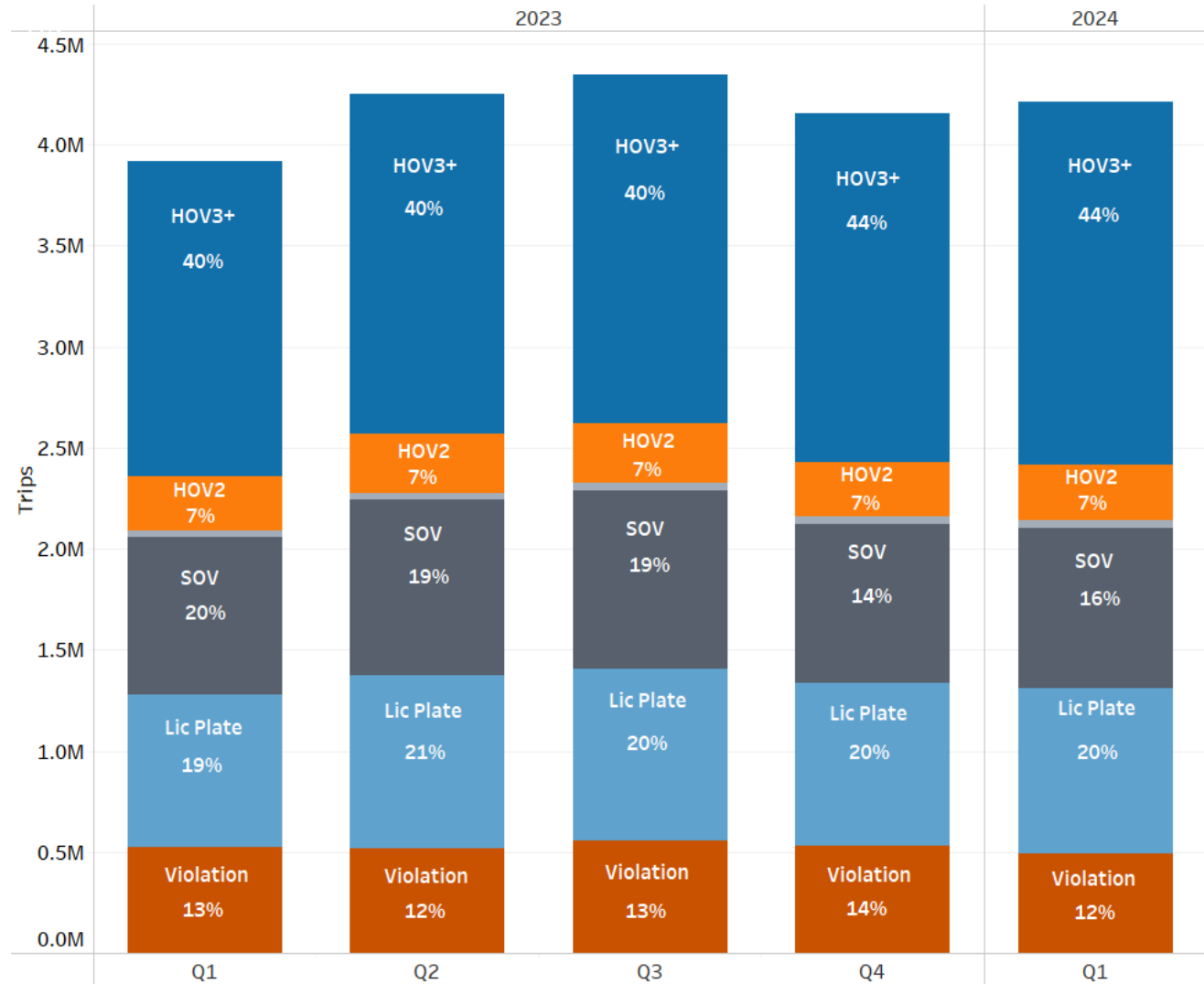
- Same as Q4 2023 and up 4% from Q1 2023

### Tolled trips (full toll + half-toll) = 44%

- 36% full toll (SOV toll tag + license plate match)
- Full toll share up 2% from last quarter and 3% down from last year
- 8% half toll (HOV 2 + CAV (Clean Air Vehicle))
- Half toll share same as a year ago and last quarter

### Violation trips = 12%

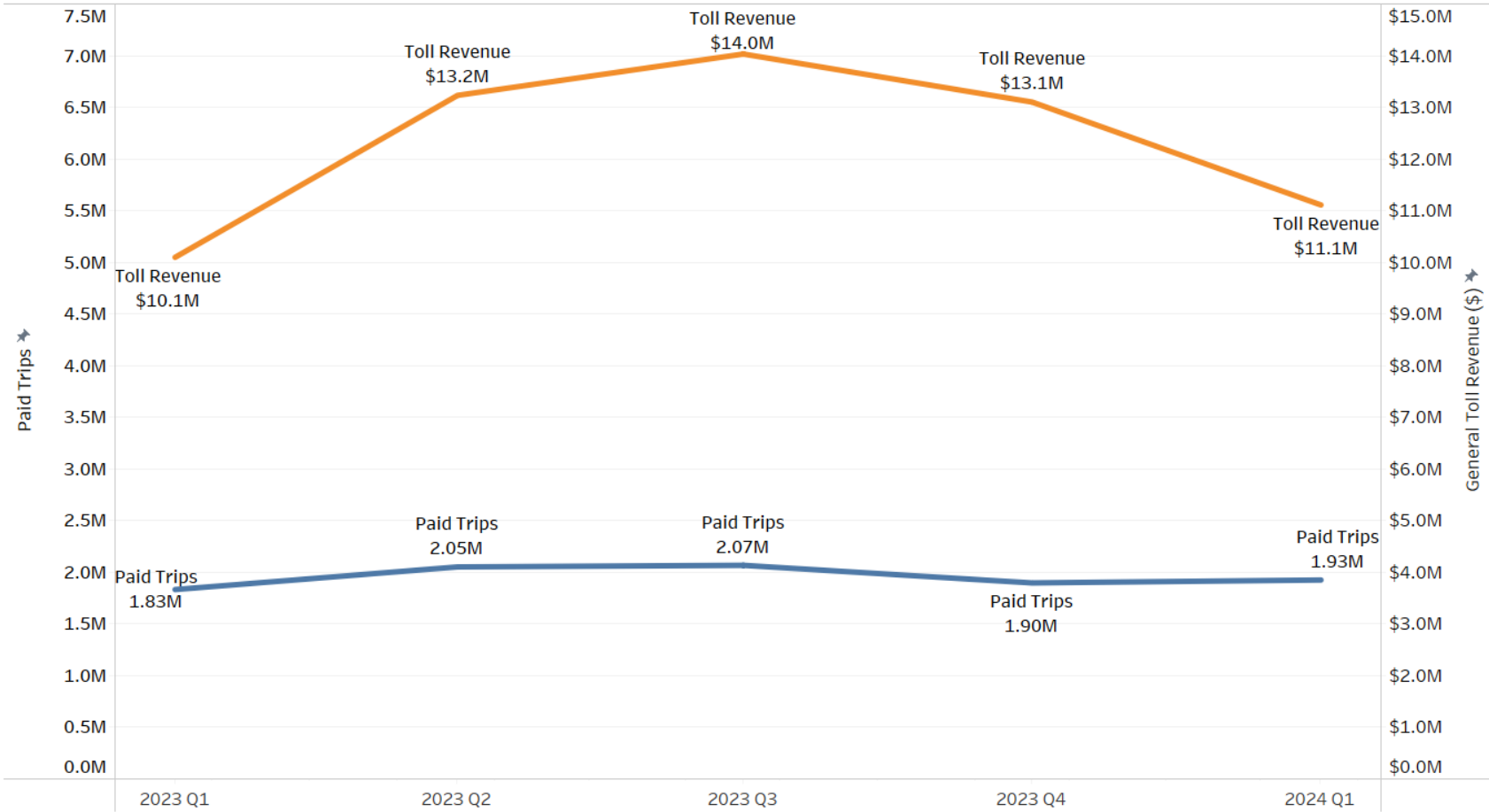
- No toll account
- Down 1% from a year ago and down 2% from last quarter



In each quarter, 1% of trips were made with Clean Air Vehicle Tags set to "1", represented by the thin grey segments in the above bar chart.

# I-880 Express Lane General Toll Revenue and Tolled Trips

Q1 2024 Change	Toll Revenue	Tolled Trips	Average Toll Paid
from Prior Quarter (Q4 2023)	Down 15%	Up 2%	Down 16%
Year over Year (Q1 2023)	Up 10%	Up 5%	Up 5%



# I-880 Express Lane Northbound Peak Traffic and Corridor- Length Speed

## Peak Traffic

Time	3 p.m. - 6 p.m.
Location	Around Whipple Rd.
Express Lane Speed	52 mph
GP Lane Speed	35 mph
Speed Differential	17 mph
Express Lane Volume	1,170 vehicles
GP Lane Volume	1,213 vehicles

## Corridor Length Slowest Travel

Time	5 p.m. - 6 p.m.
Express Lane Speed	50 mph
GP Lane Speed	33 mph
Speed Differential	17 mph

# I-880 Express Lane Southbound: Peak Traffic and Corridor-Length Speed

## Peak Traffic

Time	7 a.m. – 9 a.m.
Location	Approaching Alvarado-Niles Rd.
Express Lane Speed	56 mph
GP Lane Speed	45 mph
Speed Differential	11 mph
Express Lane Volume	1,029 vehicles
GP Lane Volume	1,198 vehicles

## Corridor Length Slowest Travel

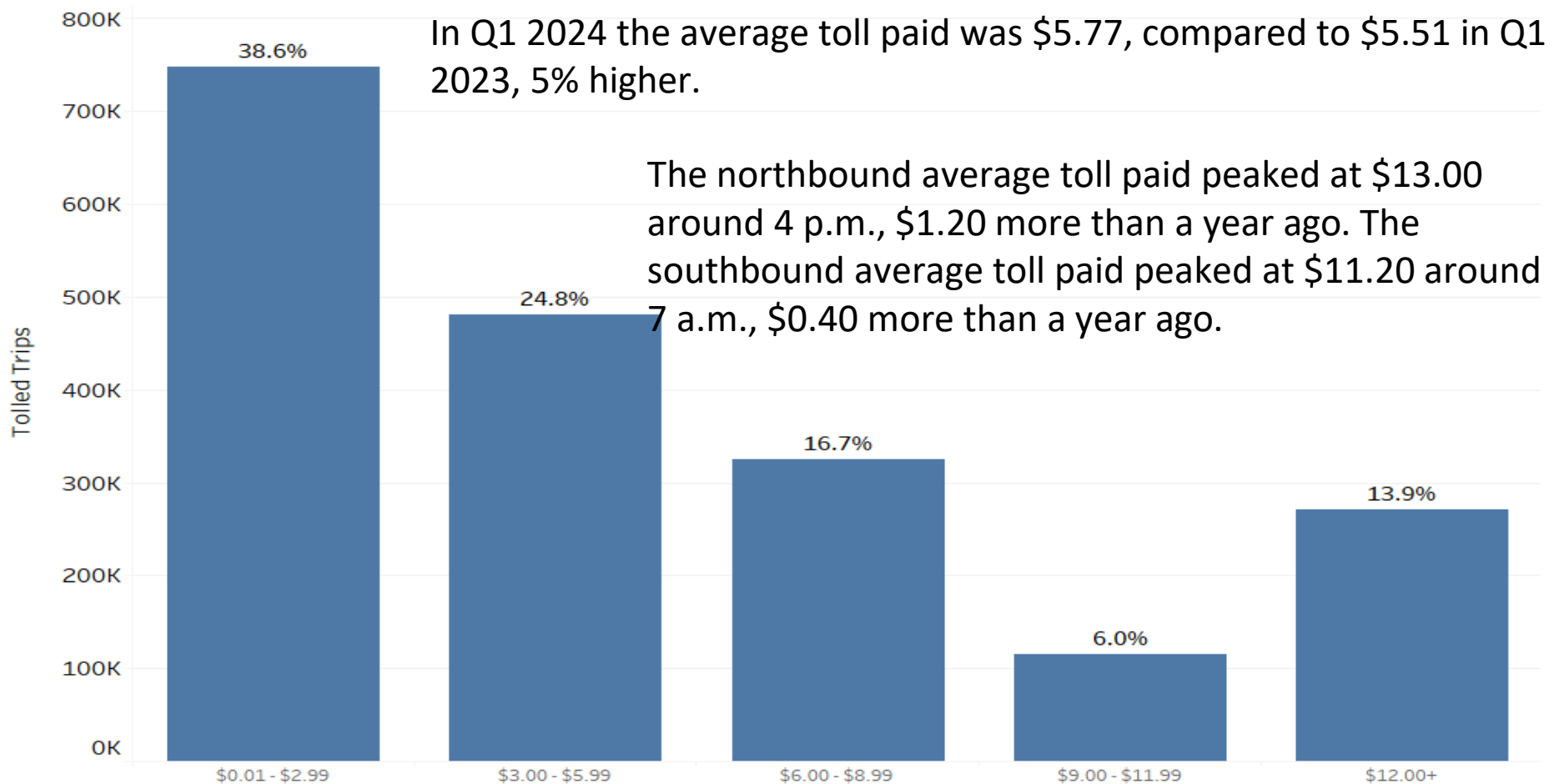
Time	8 a.m. – 9 a.m.
Express Lane Speed	56 mph
GP Lane Speed	44 mph
Speed Differential	12 mph



# I-880 Express Lane Tolls

Drivers made 1,925,508 tolled express lane trips in the quarter, up 5% from a year ago (Q1 2023). Around 39% of these trips incurred a toll less than \$3 and 14% were for tolls \$12 or higher.

The share of trips tolled less than \$3 decreased from a year ago (42% compared to 39%) and the share tolled trips \$12 or higher increased from 12.3% to 13.9%.

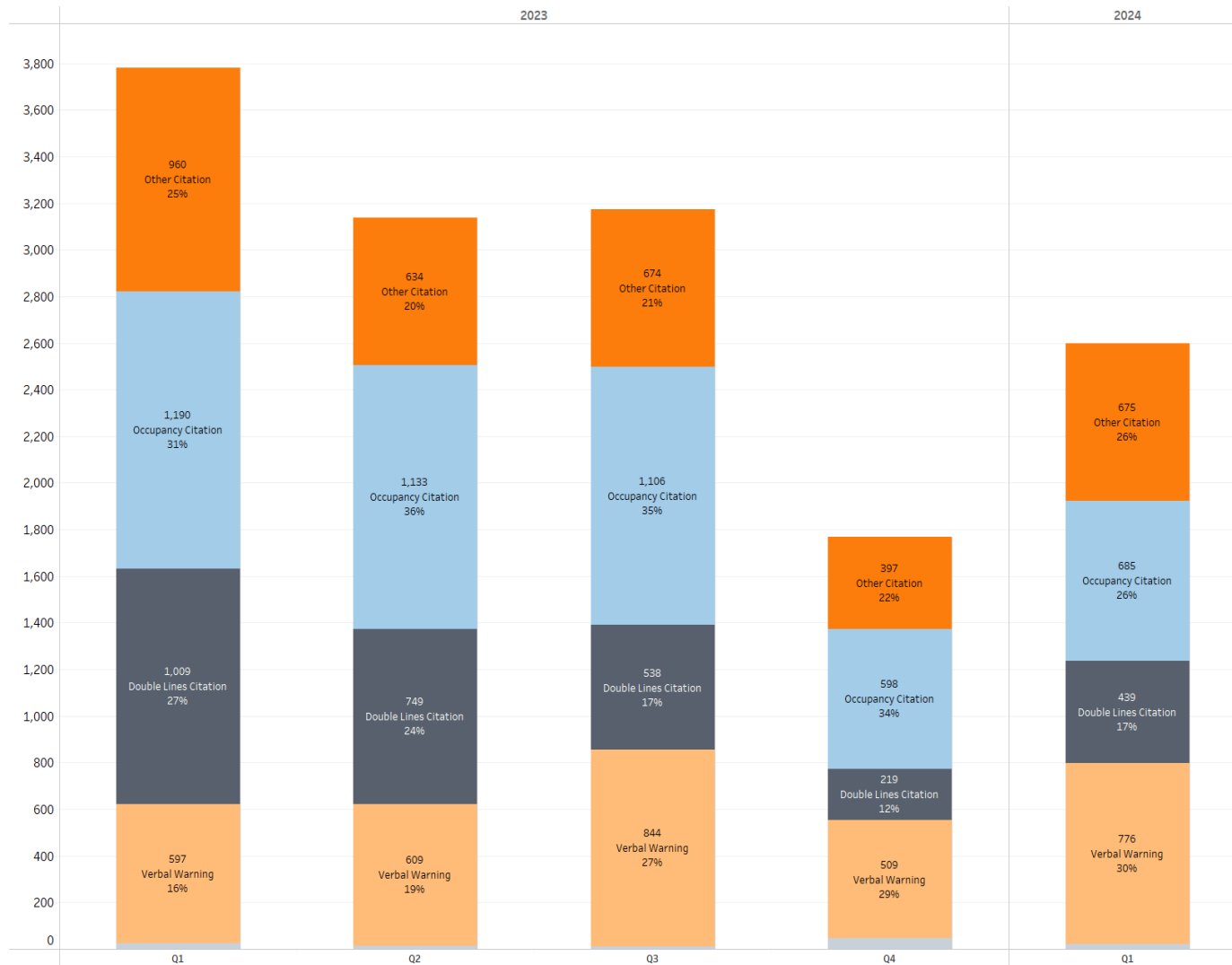


# I-880 Express Lanes CHP Enforcement

CHP provided 2,504 enforcement hours in the quarter, filling 99% of requested hours and resulting in 2,597 enforcement contacts.

CHP's performance was affected by general staffing shortages and the holidays. Per MTC request, CHP officers spend more time stationed in the observation areas instead of roaming the corridor, acting as a deterrent but resulting in fewer enforcement contacts.

The average cost to BAIFA per enforcement contact was \$124. 26% of Q1 2024 enforcement contacts were related to carpool occupancy violations.



# Appendix A: Select Chart Data – I-680 Express Lanes

## Quarterly Express Lane Trips and Quarter-to-Quarter Percentage Change

Quarter	Year	Express Lane Trips	% Change
Q1	2022	2,055,790	-5%
Q2	2022	2,184,416	6%
Q3	2022	2,242,421	3%
Q4	2022	2,106,882	-6%
Q1	2023	2,164,166	3%
Q2	2023	2,331,921	8%
Q3	2023	2,381,431	2%
Q4	2023	2,339,130	-2%
Q1	2024	2,246,597	-4%

### Express Lane Trips - Payment Type Share

	2023	2023	2023	2023	2024
	Q1	Q2	Q3	Q4	Q1
Blank	24%	25%	25%	26%	26%
HOV3+	16%	16%	16%	16%	16%
HOV2	1%	1%	1%	1%	1%
CAV	20%	21%	19%	20%	19%
SOV-Tag	28%	26%	27%	26%	27%
LP Read	11%	11%	12%	11%	11%
Violations					

# Appendix A, continued

## Toll Revenue and Tolled Trips

Year & Quarter	Revenue	Tolled Trips
2023 Q1	\$2,898,120	1,055,664
2023 Q2	\$3,602,136	1,106,169
2023 Q3	\$3,617,308	1,121,047
2023 Q4	\$3,753,215	1,077,534
2024 Q1	\$3,210,361	1,048,336

## Toll Distribution

Toll	\$0.01 - \$2.99	\$3.00 - \$5.99	\$6.00 - \$8.99	\$9.00 - \$11.99	\$12.00+
% Tolled Trips	71.1%	10.1%	8.0%	8.5%	2.3%

# Appendix A, continued, 2

## CHP Enforcement

Year	Quarter	Enforcement Type	Quarterly Share	Count
2023	Q1	Other Citation	42%	460
2023	Q1	Occupancy Citation	22%	245
2023	Q1	Verbal Warning	34%	371
2023	Q1	Other	2%	24
2023	Q2	Other Citation	29%	402
2023	Q2	Occupancy Citation	37%	509
2023	Q2	Verbal Warning	32%	437
2023	Q2	Other	2%	24
2023	Q3	Other Citation	32%	516
2023	Q3	Occupancy Citation	34%	543
2023	Q3	Verbal Warning	32%	517
2023	Q3	Other	2%	24
2023	Q4	Other Citation	30%	272
2023	Q4	Occupancy Citation	29%	262
2023	Q4	Verbal Warning	38%	347
2023	Q4	Other	3%	25
2024	Q1	Other Citation	25%	295
2024	Q1	Occupancy Citation	35%	422
2024	Q1	Verbal Warning	38%	462
2024	Q1	Other	2%	25



# Appendix B: Select Chart Data – I-880 Express Lanes

## Quarterly Express Lane Trips and Percentage Change

Quarter	Year	Express Lane Trips	% Change
Q1	2022	3,662,880	-5%
Q2	2022	4,069,538	11%
Q3	2022	4,130,247	1%
Q4	2022	3,863,600	-6%
Q1	2023	3,892,636	0.75%
Q2	2023	4,181,145	7%
Q3	2023	4,320,592	3%
Q4	2023	3,936,751	-9%
Q1	2024	4,106,189	4%

### Express Lane Trips - Payment Type Share

	2023	2023	2023	2023	2024
Blank	Q1	Q2	Q3	Q4	Q1
Blank	40%	40%	40%	44%	44%
HOV3+	7%	7%	7%	7%	7%
HOV2	1%	1%	1%	1%	1%
CAV	20%	19%	19%	14%	16%
SOV-Tag	19%	21%	20%	20%	20%
LP Read	13%	12%	13%	14%	12%
Violations					

# Appendix B, continued

## Toll Revenue and Tolled Trips

Year & Quarter	Revenue	Tolled Trips
2023 Q1	\$10,096,118	1,832,961
2023 Q2	\$13,231,062	2,052,109
2023 Q3	\$14,030,802	2,067,341
2023 Q4	\$13,100,757	1,896,870
2024 Q1	\$11,109,532	1,925,508

## Toll Distribution

Toll	\$0.01 - \$2.99	\$3.00 - \$5.99	\$6.00 - \$8.99	\$9.00 - \$11.99	\$12.00+
% Tolled Trips	38.6%	24.8%	16.7%	6.0%	13.9%

# Appendix B, continued, 2

## CHP Enforcement

Year	Quarter	Enforcement Type	Quarterly Share	Count
2023	Q1	Double Lines Citation	27%	1,009
2023	Q1	Occupancy Citation	31%	1,190
2023	Q1	Other	1%	25
2023	Q1	Other Citation	25%	960
2023	Q1	Verbal Warning	16%	597
2023	Q2	Double Lines Citation	24%	749
2023	Q2	Occupancy Citation	36%	1,133
2023	Q2	Other	0.4%	13
2023	Q2	Other Citation	20%	634
2023	Q2	Verbal Warning	19%	609
2023	Q3	Double Lines Citation	17%	538
2023	Q3	Occupancy Citation	35%	1,106
2023	Q3	Other	0.3%	10
2023	Q3	Other Citation	21%	674
2023	Q3	Verbal Warning	27%	844

## Appendix B, continued, 3

### CHP Enforcement, continued

2023	Q4	Double Lines Citation	12%	219
2023	Q4	Occupancy Citation	34%	598
2023	Q4	Other	3%	45
2023	Q4	Other Citation	22%	397
2023	Q4	Verbal Warning	29%	509
2024	Q1	Double Lines Citation	17%	439
2024	Q1	Occupancy Citation	26%	685
2024	Q1	Other	1%	22
2024	Q1	Other Citation	26%	675
2024	Q1	Verbal Warning	30%	776

For more information, visit [expresslanes.511.org](https://expresslanes.511.org) or [MTC's express lanes page](#).

