

BAIFA Express Lanes Operations Report 2nd Quarter 2024: April - June

I-680 Contra Costa and I-880 Express Lanes



Bay Area Infrastructure Financing Authority Network and Operations Committee
November 8, 2024

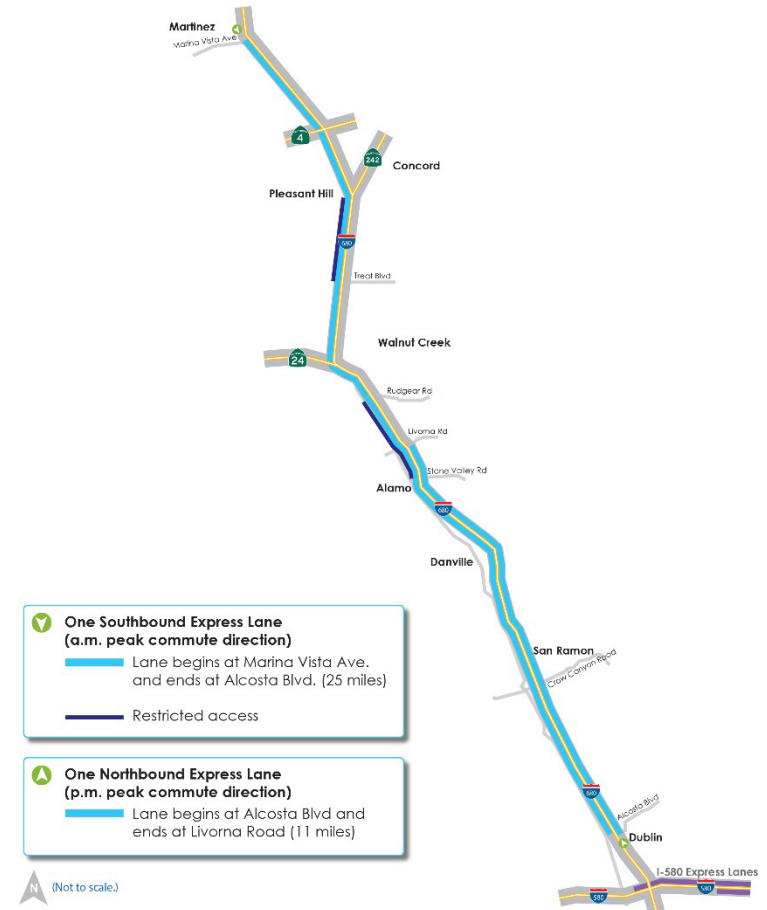
I-680 Contra Costa Express Lanes



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.



The infographic is divided into two main sections: 'Carpools' and 'All Drivers'.
Carpools: Must Have FasTrak Flex®. A carpool of 2+ people is FREE. A FasTrak Flex tag with a car icon and '2+' is shown.
All Drivers: Must Have FasTrak®. A solo driver in a carpool of 2+ people pays a HALF TOLL. A FasTrak Flex tag with a car icon and 'CAV' is shown. A solo driver in a carpool of 1 person pays a FULL TOLL. A FasTrak tag with a car icon and '1' is shown.
Motorcycles: are FREE with FasTrak Flex toll tag set to 3+.
Clean Air Vehicles: pay half-price tolls with FasTrak CAV toll tag.

I-680 Contra Costa Express Lanes – Q2 2024 Highlights

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

- 2.4 million express lane trips were made in Q2 2024. The Average Daily Trip count (ADT) and total trips increased 8% from the prior quarter (Q1 2024). Compared to a year ago (Q2 2023), total trips increased 4% and ADT increased by 2%.
- The share of toll-free HOV 2+ trips was 41%, down 1% from Q1 2024 and the same as Q2 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.
- 9% of express lane trips were violations – unpaid trips made without a FasTrak account – down 2% from Q1 2024 and Q2 2023.
- Q2 2024 toll revenue was \$3.9M, up 22% from Q1 2024, and up 9% from Q2 2023. Tolloed trips increased 14% from Q1 2024 and increased 8% from Q2 2023. The average toll paid increased 7% from Q1 2024 and increased 1% from Q2 2023.

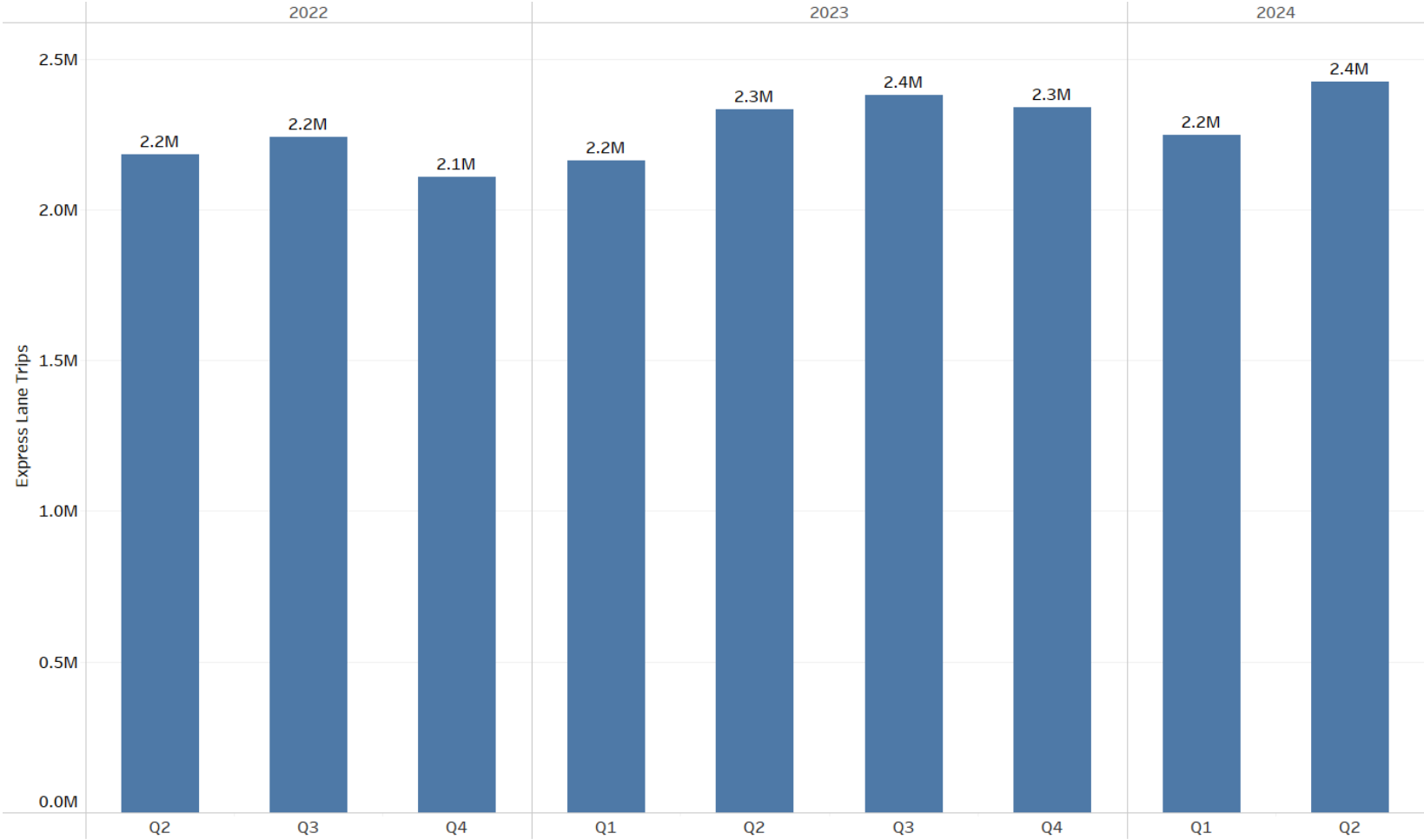
I-680 Contra Costa Express Lanes – Q2 2024

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 \$8.50.
- Corridor-length southbound travel was slowest between 8:00 a.m. and 9:00 a.m. when express lane speed averaged 67 mph (10 mph faster than the general-purpose lanes) and the average toll paid peaked at \$6.90.
- CHP made 1,439 enforcement contacts, of which 42% resulted in citations related to carpool occupancy. Enforcement contacts were up 1.5% and occupancy citations were up 18% compared to Q2 2023.

I-680 Express Lane Trips

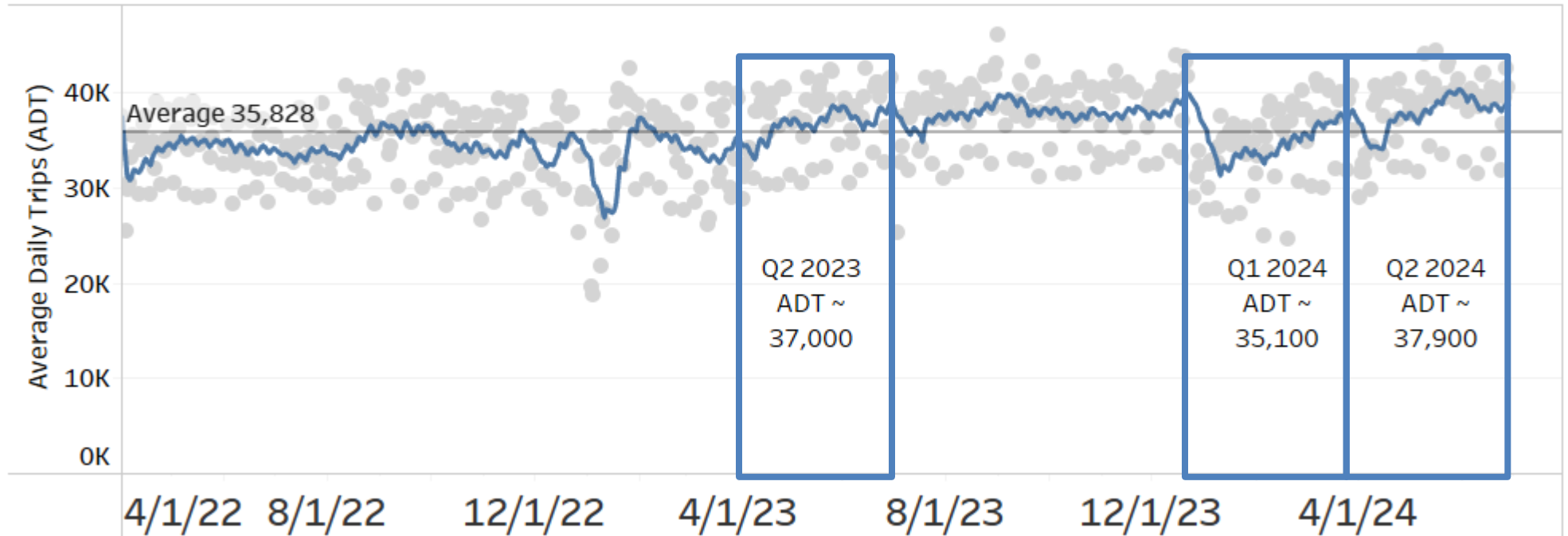
2.4 million express lane trips were made in Q2 2024. Trips were up 8% from the prior quarter (Q1 2024) and up 4% from Q2 2023.



I-680 Average Daily Express Lane Trips

The Average Daily Trip (ADT) count from April 1, 2022 through June 30, 2024 was 35,828. Q2 2024 ADT was about 37,900, an 8% increase from the prior quarter and a 2% increase from a year ago (Q2 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+) = 41%

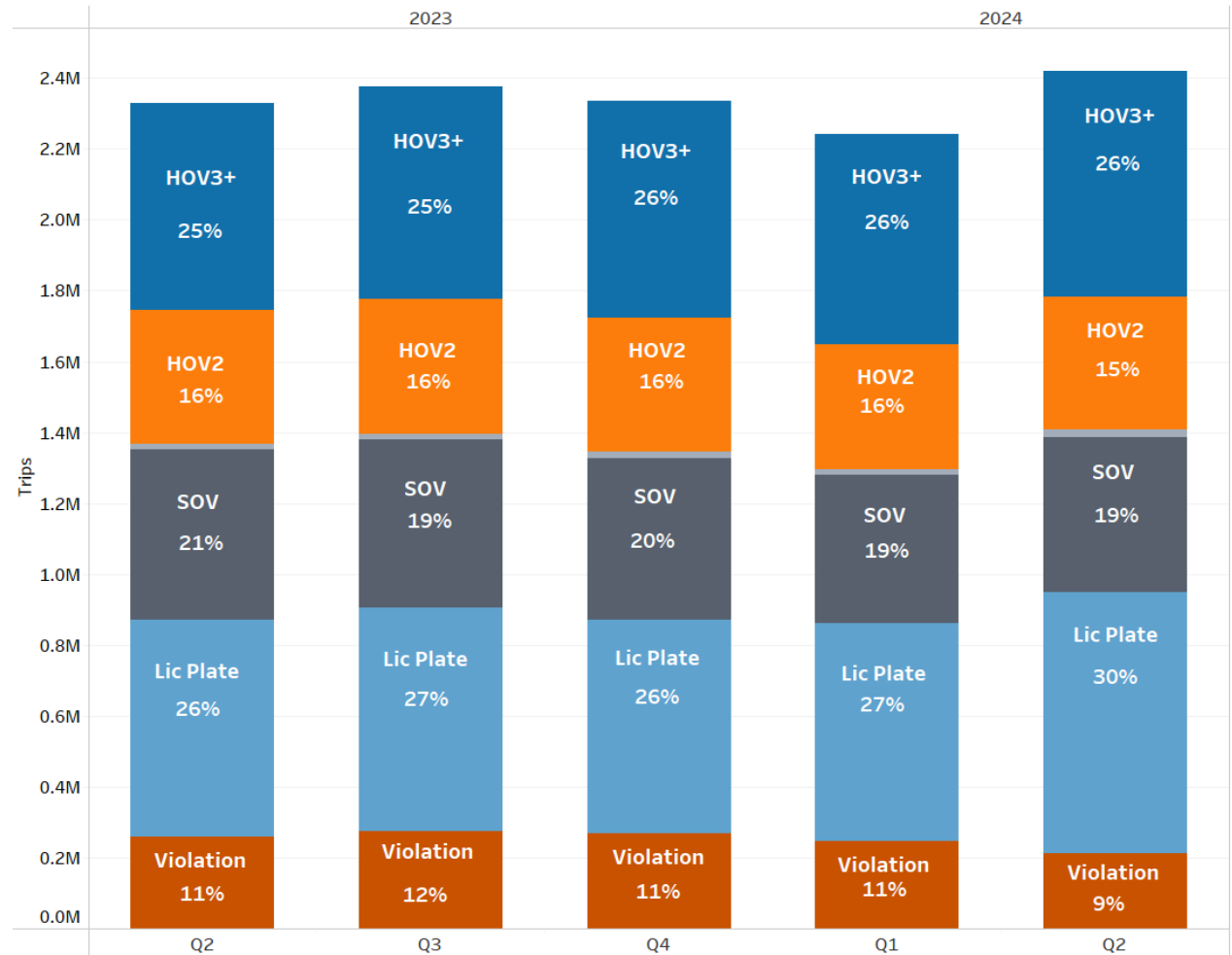
- 1% less than Q1 2024 and the same as Q2 2023

Tolled trips (full toll + half-toll) = 50%

- 49% full toll (SOV toll tag + license plate match) + 1% half toll (Clean Air Vehicles)
- Up 3% from Q1 2024
- Up 2% from Q2 2023

Violation trips = 9%

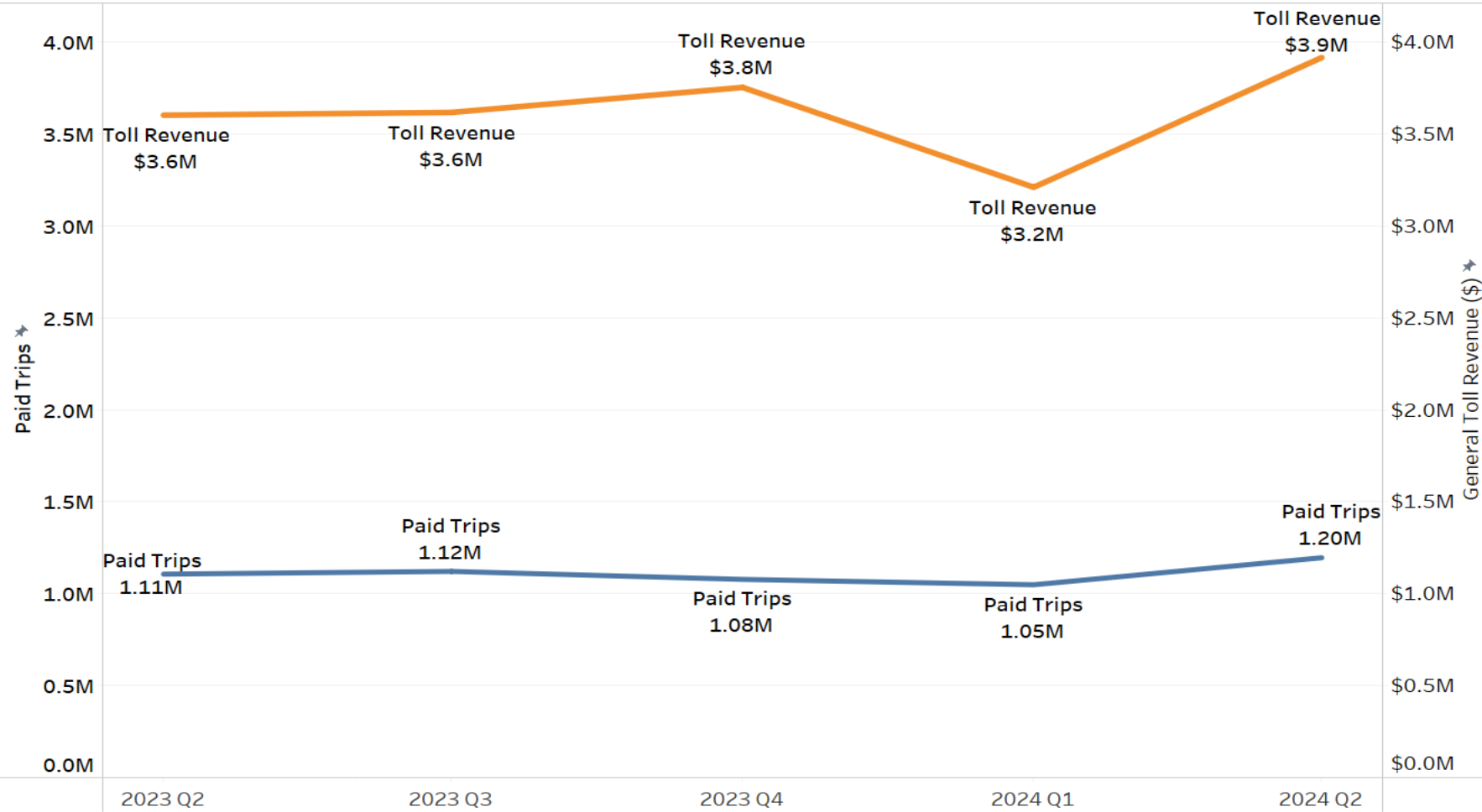
- No toll account
- Down 2% from Q1 2024
- Down 2% from Q2 2023



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

Q2 2024 Change	Toll Revenue	Tolled Trips	Average Toll Paid
from Prior Quarter (Q1 2024)	Up 22%	Up 14%	Up 7%
Year over Year (Q2 2023)	Up 9%	Up 8%	Up 1%



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

Peak Traffic

Time	3 p.m. – 5 p.m.
Location	Approaching El Cerro Blvd
Express Lane Speed	67 mph
GP Lane Speed	57 mph
Speed Differential	10 mph
Express Lane Volume	894 vehicles
GP Lane Volume	1,308 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

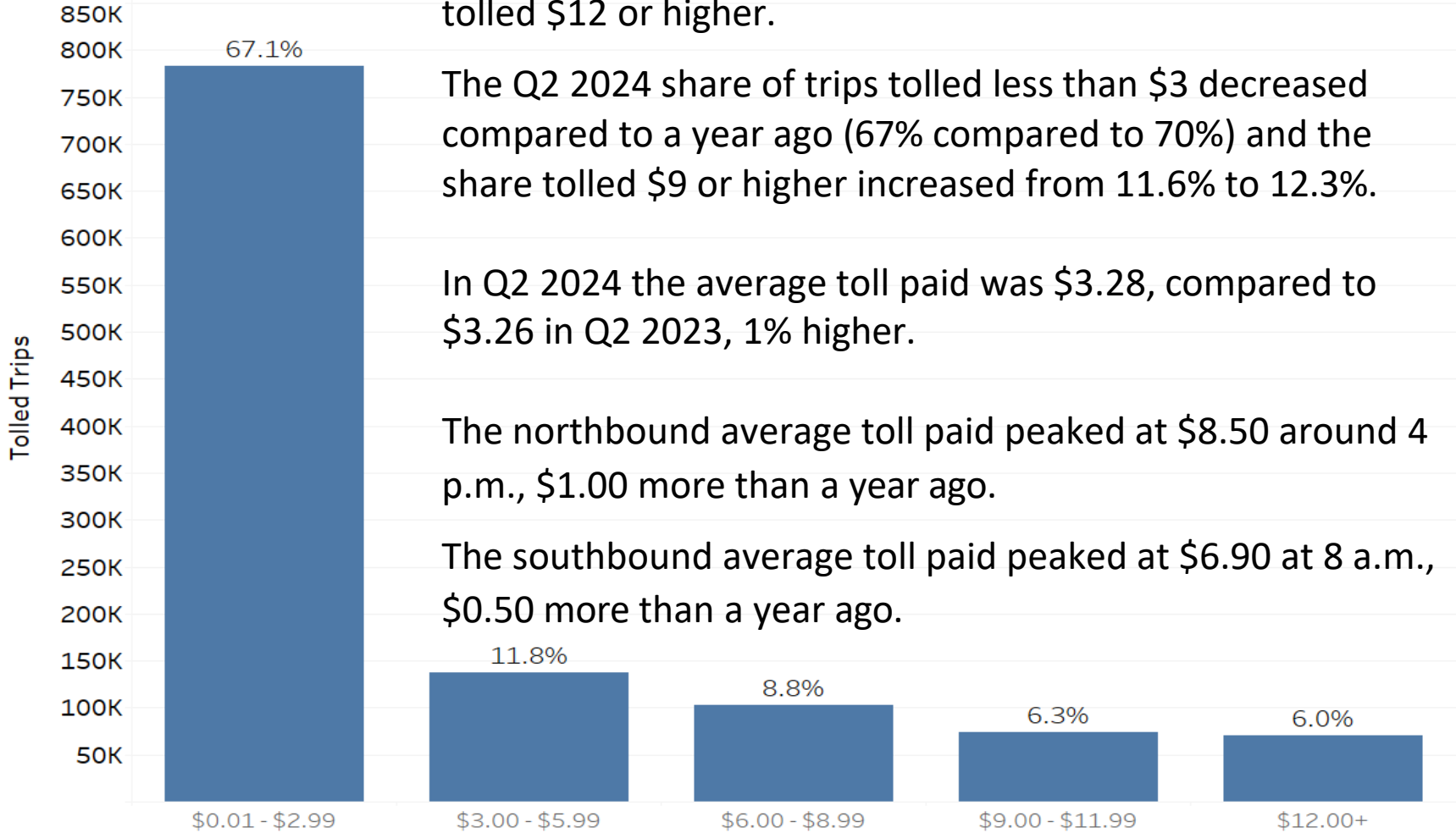
Time	7 a.m. - 9 a.m.
Location	Approaching Treat Blvd
Express Lane Speed	68 mph
GP Lane Speed	58 mph
Speed Differential	10 mph
Express Lane Volume	580 vehicles
GP Lane Volume	1,272 vehicles

Corridor-Length Slowest Travel

Time	8 a.m. – 9 a.m.
Express Lane Speed	67 mph
GP Lane Speed	57 mph
Speed Differential	10 mph

I-680 Express Lanes Tolls

Drivers made 1,195,179 tolled express lane trips in the quarter, up 8% from a year ago (Q2 2023). About 67% of these trips were tolled less than \$3 while about 6% were tolled \$12 or higher.



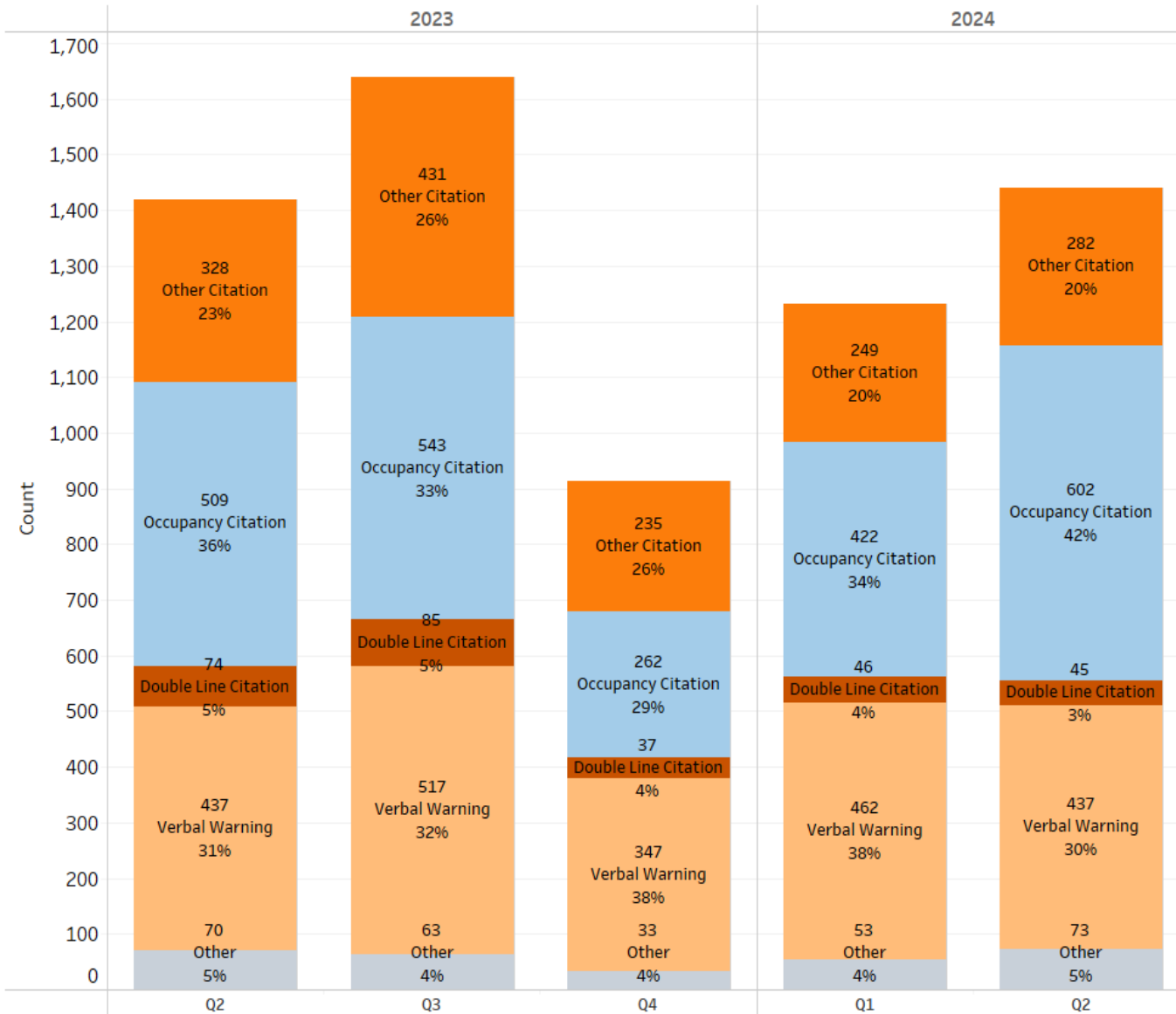
The Q2 2024 share of trips tolled less than \$3 decreased compared to a year ago (67% compared to 70%) and the share tolled \$9 or higher increased from 11.6% to 12.3%.

In Q2 2024 the average toll paid was \$3.28, compared to \$3.26 in Q2 2023, 1% higher.

The northbound average toll paid peaked at \$8.50 around 4 p.m., \$1.00 more than a year ago.

The southbound average toll paid peaked at \$6.90 at 8 a.m., \$0.50 more than a year ago.

I-680 Express Lanes CHP Enforcement

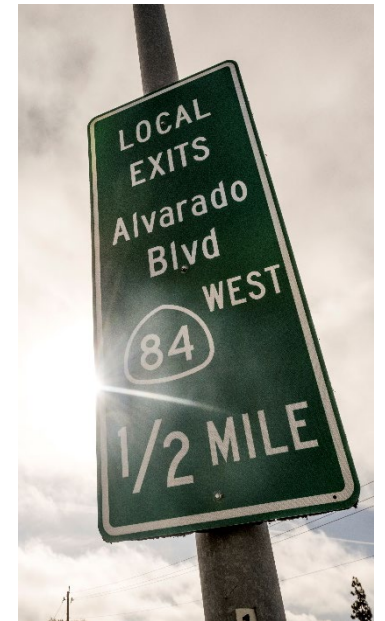


CHP provided 1,224 enforcement hours in the quarter, filling 95% of requested hours and resulting in 1,439 enforcement contacts.

42% of Q2 2024 contacts were related to carpool occupancy violations.

The average cost to BAIFA per enforcement contact was \$125.

I-880 Express Lanes



Bay Area Infrastructure Financing Authority Network and Operations Committee
October 11, 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.



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

I-880 Express Lanes – Q2 2024 Performance Highlights

- 4.5 million express lane trips were made in Q2 2024. The Average Daily Trip count (ADT) of 69,600 was up 7% from the prior quarter (Q1 2024) and up 5% from a year ago (Q2 2023).
- The share of toll-free HOV 3+ trips was 43%, down 1% from Q1 2024 and up 3% from Q2 2023. The share of half-price HOV 2 trips was 6%, down 1% from the prior quarter (Q1 2024) and last year (Q2 2023).
- 10% of express lane trips were violations - trips made without a FasTrak account. The share was down 2% from the prior quarter (Q1 2024) and 2% from the prior year (Q2 2023).
- Quarterly toll revenue was up 29% from the last quarter and up 9% from a year ago (Q2 2023). Tolloed trips were up 10% and 4% from Q1 2024 and Q2 2023, respectively. The average toll paid was up 17% from Q1 2024 and up 5% from Q2 2023.

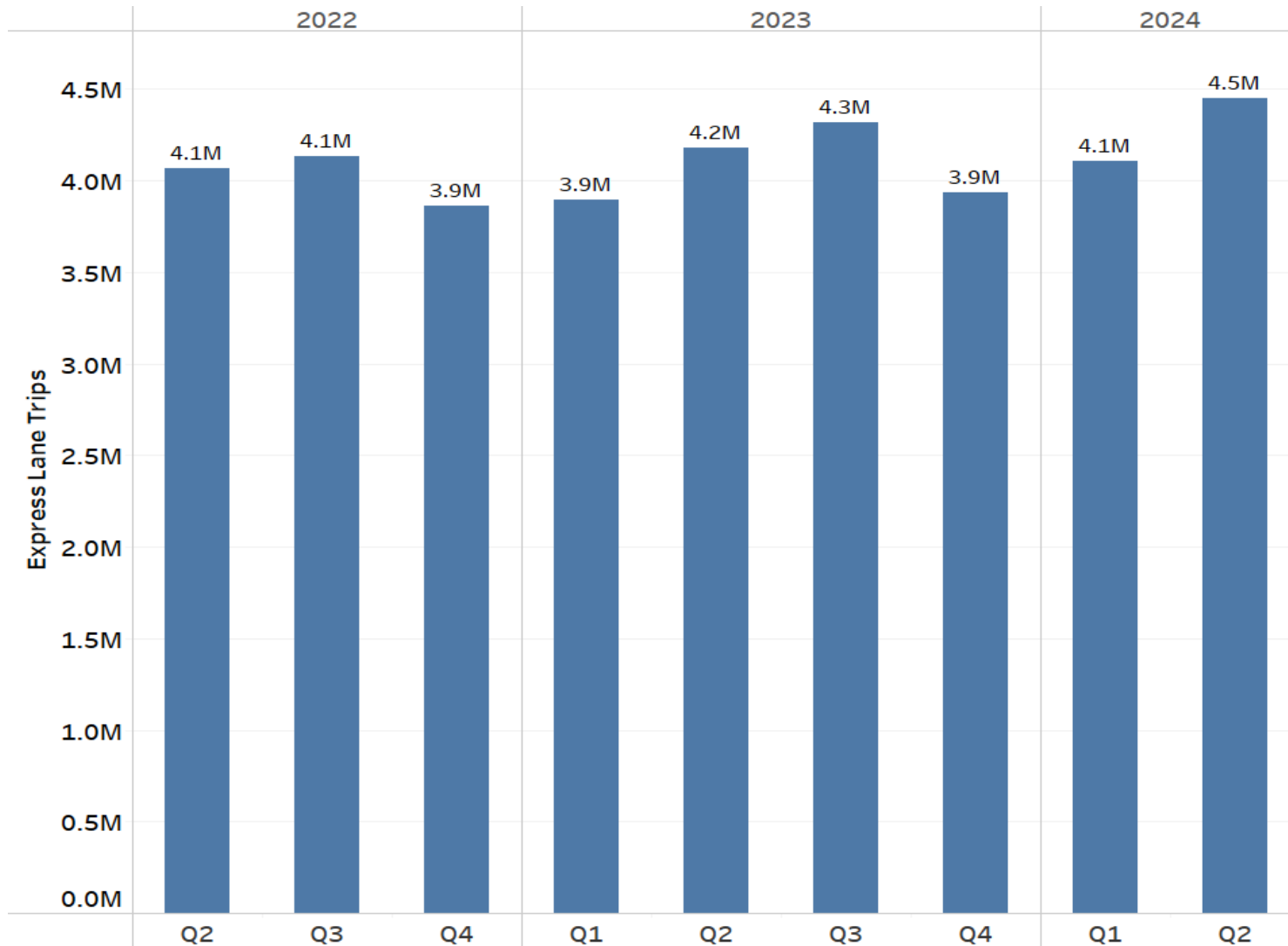
The goal of express lanes is to maximize lane use while keeping traffic moving to encourage carpooling and transit ridership.

I-880 Express Lanes – Q2 2024 Performance Highlights, continued

- Corridor-length northbound travel was slowest between 5 p.m. and 6 p.m. when express lane speed averaged 49 mph (15 mph faster than the general-purpose lanes). The northbound average toll paid peaked at \$14.90 around 4 p.m.
- Corridor-length southbound travel was slowest between 8 a.m. and 9 a.m. when express lane speed averaged 58 mph (14 mph faster than the general-purpose lanes). The southbound average toll paid peaked at \$11.90 around 7 a.m.
- CHP spent 2,390 hours patrolling the I-880 express lanes, resulting in 2,541 enforcement contacts. Of those, 16% resulted in citations for crossing double white lines and 36% in citations related to carpool occupancy.

I-880 Express Lane Trips

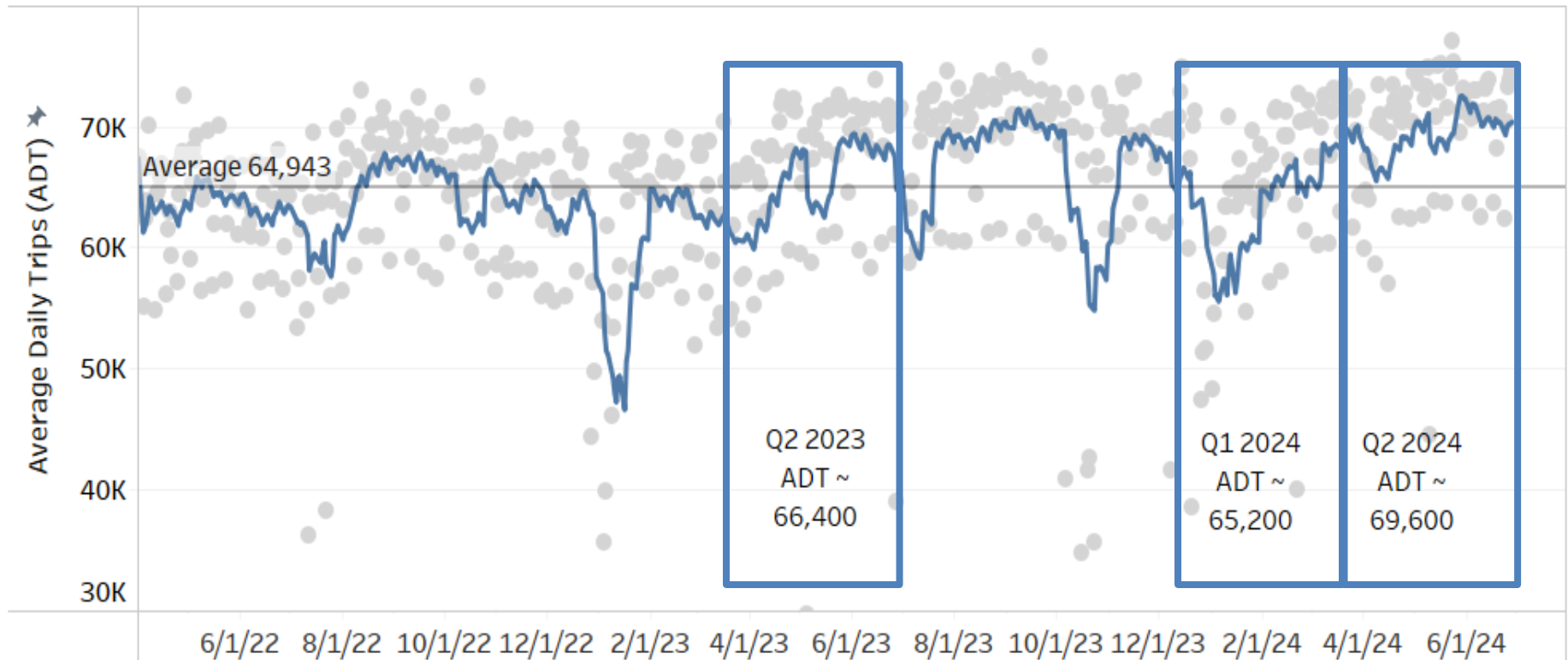
4.5 million express lane trips were made in Q2 2024. Trips were up 8% from the prior quarter (Q1 2024) and up 7% from a year ago (Q2 2023).



I-880 Express Lane Average Daily Express Lane Trips

The Average Daily Trip (ADT) count from April 1, 2022 through June 30, 2024 was 64,943. Q2 2024 ADT was about 69,600, a 7% increase from the prior quarter and a 5% increase from a year ago (Q2 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+) = 43%

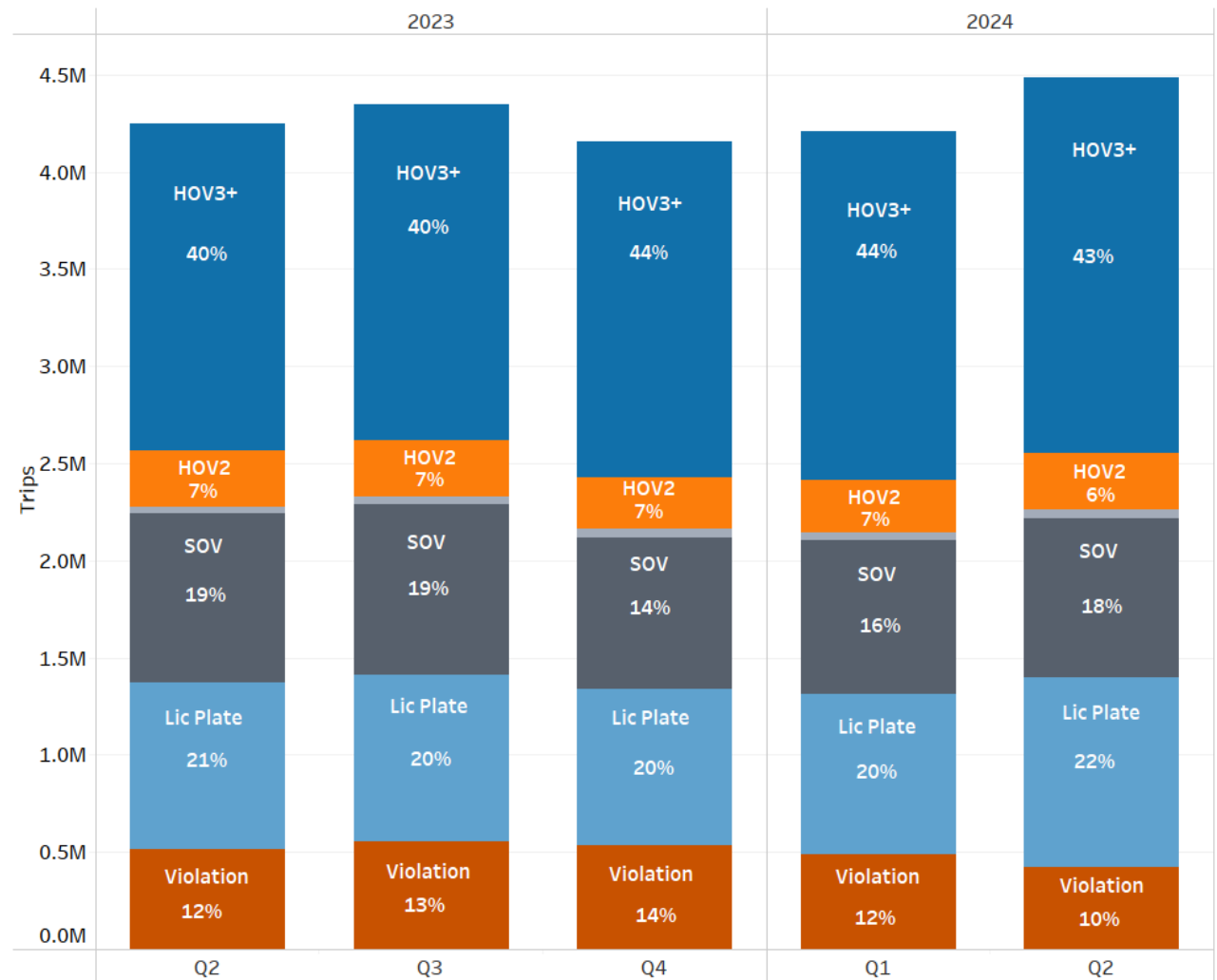
- Down 1% from Q1 2024 and up 3% from Q2 2023

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

- 40% full toll (SOV toll tag + license plate match)
- Full toll share up 4% from last quarter and the same as Q2 2023
- 7% half toll (HOV 2 + CAV (Clean Air Vehicle))
- Half toll share down 1% from a year ago and last quarter

Violation trips = 10%

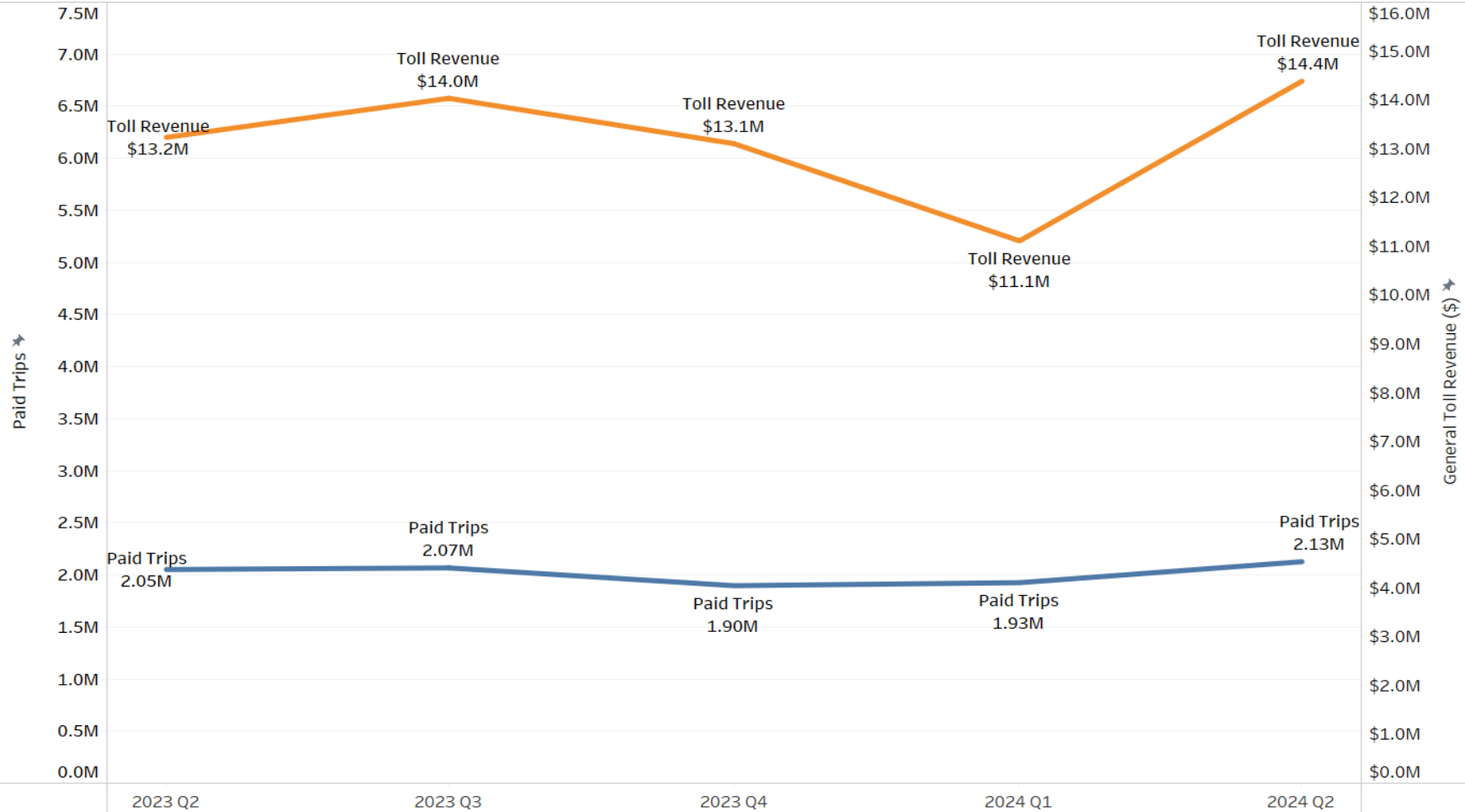
- No toll account
- Down 2% from a year ago and down 2% from last quarter



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

Q2 2024 Change	Toll Revenue	Tolled Trips	Average Toll Paid
from Prior Quarter (Q1 2024)	Up 29%	Up 10%	Up 17%
Year over Year (Q2 2023)	Up 9%	Up 4%	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	50 mph
GP Lane Speed	35 mph
Speed Differential	15 mph
Express Lane Volume	1,217 vehicles
GP Lane Volume	1,226 vehicles

Corridor Length Slowest Travel

Time	5 p.m. - 6 p.m.
Express Lane Speed	49 mph
GP Lane Speed	34 mph
Speed Differential	15 mph

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

Peak Traffic

Time	7 a.m. – 9 a.m.
Location	Approaching Thornton Ave.
Express Lane Speed	59 mph
GP Lane Speed	45 mph
Speed Differential	14 mph
Express Lane Volume	1,070 vehicles
GP Lane Volume	1,236 vehicles

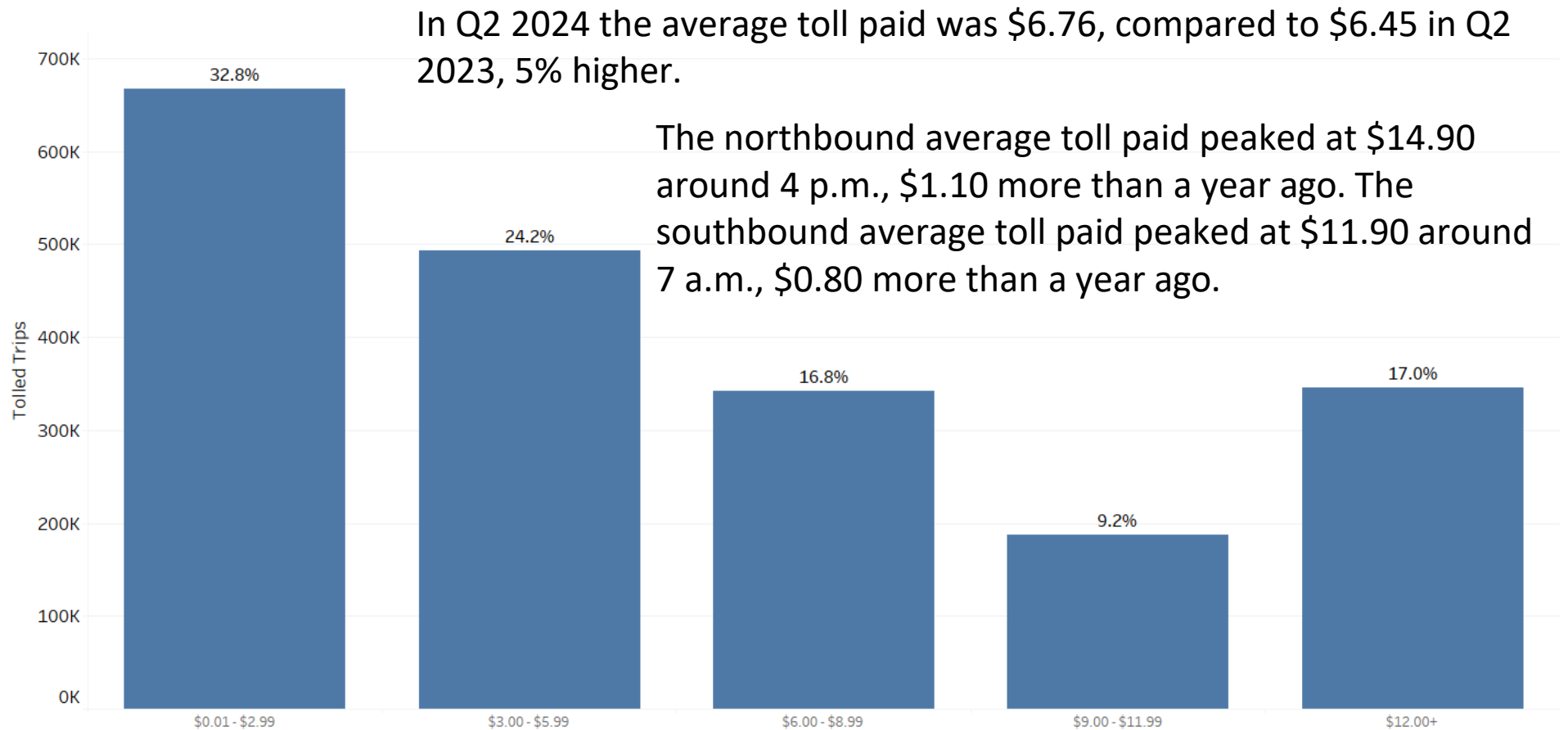
Corridor Length Slowest Travel

Time	8 a.m. – 9 a.m.
Express Lane Speed	58 mph
GP Lane Speed	44 mph
Speed Differential	14 mph

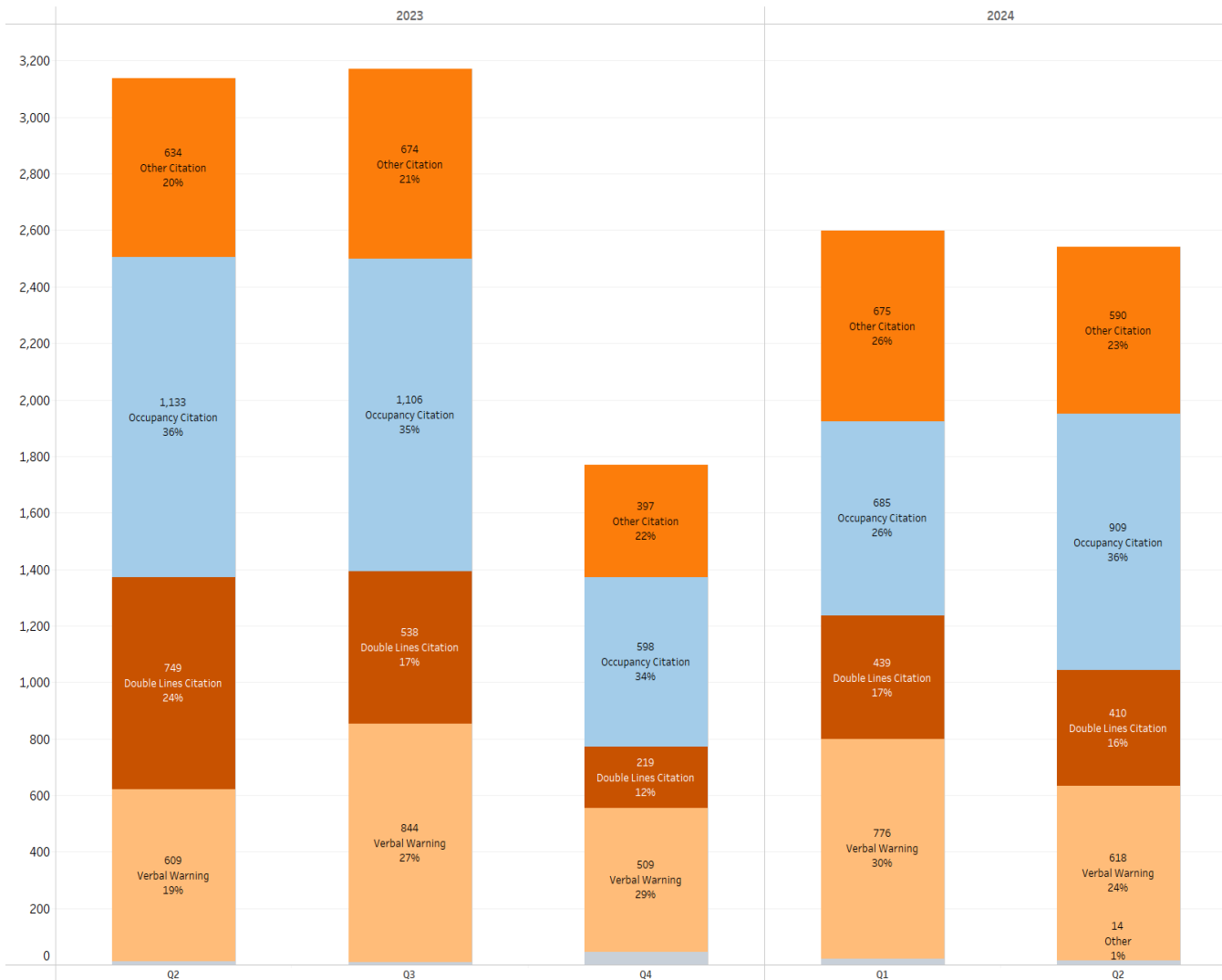
I-880 Express Lane Tolls

Drivers made 2,126,736 tolled express lane trips in the quarter, up 4% from a year ago (Q2 2023). Around 33% of these trips incurred a toll less than \$3 and 17% were for tolls \$12 or higher.

The share of trips tolled less than \$3 decreased from a year ago (36.5% compared to 33%) and the share tolled trips \$12 or higher increased from 15.1% to 17%.



I-880 Express Lanes CHP Enforcement



CHP provided 2,390 enforcement hours in the quarter, filling 94% of requested hours and resulting in 2,541 enforcement contacts.

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 \$136. 36% of Q2 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
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%
Q2	2024	2,425,050	8%

Express Lane Trips - Payment Type Share

	2023	2023	2023	2024	2024
Blank	Q2	Q3	Q4	Q1	Q2
Blank	25%	25%	26%	26%	26%
HOV3+	16%	16%	16%	16%	15%
HOV2	1%	1%	1%	1%	1%
CAV	21%	19%	20%	19%	19%
SOV-Tag	26%	27%	26%	27%	30%
LP Read	11%	12%	11%	11%	9%
Violations					

Appendix A, continued

Toll Revenue and Tolled Trips

Year & Quarter	Revenue	Tolled Trips
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
2024 Q2	\$3,915,316	1,195,179

Toll Distribution

Toll	\$0.01 - \$2.99	\$3.00 - \$5.99	\$6.00 - \$8.99	\$9.00 - \$11.99	\$12.00+
% Tolled Trips	67.1%	11.8%	8.8%	6.3%	6.0%

Appendix A, continued, 2

CHP Enforcement

Year	Quarter	Enforcement Type	Quarterly Share	Count
2023	Q2	Other Citation	23%	328
2023	Q2	Occupancy Citation	36%	509
2023	Q2	Double Line Citation	5%	74
2023	Q2	Verbal Warning	31%	437
2023	Q2	Other	5%	70
2023	Q3	Other Citation	26%	431
2023	Q3	Occupancy Citation	33%	543
2023	Q3	Double Line Citation	5%	85
2023	Q3	Verbal Warning	32%	517
2023	Q3	Other	4%	63
2023	Q4	Other Citation	26%	235
2023	Q4	Occupancy Citation	29%	262
2023	Q4	Double Line Citation	4%	37
2023	Q4	Verbal Warning	38%	347
2023	Q4	Other	4%	33

Appendix A, continued, 3

CHP Enforcement

Year	Quarter	Enforcement Type	Quarterly Share	Count
2024	Q1	Other Citation	20%	249
2024	Q1	Occupancy Citation	34%	422
2024	Q1	Double Line Citation	4%	46
2024	Q1	Verbal Warning	38%	462
2024	Q1	Other	4%	53
2024	Q2	Other Citation	20%	282
2024	Q2	Occupancy Citation	42%	602
2024	Q2	Double Line Citation	3%	45
2024	Q2	Verbal Warning	30%	437
2024	Q2	Other	5%	73

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

Quarterly Express Lane Trips and Percentage Change

Quarter	Year	Express Lane Trips	% Change
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%
Q2	2024	4,451,587	8%

Express Lane Trips - Payment Type Share

	2023	2023	2023	2024	2024
Blank	Q2	Q3	Q4	Q1	Q2
Blank	40%	40%	44%	44%	43%
HOV3+	7%	7%	7%	7%	6%
HOV2	1%	1%	1%	1%	1%
CAV	19%	19%	14%	16%	18%
SOV-Tag	21%	20%	20%	20%	22%
LP Read	12%	13%	14%	12%	10%
Violations					

Appendix B, continued

Toll Revenue and Tolled Trips

Year & Quarter	Revenue	Tolled Trips
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
2024 Q2	\$14,379,746	2,126,736

Toll Distribution

Toll	\$0.01 - \$2.99	\$3.00 - \$5.99	\$6.00 - \$8.99	\$9.00 - \$11.99	\$12.00+
% Tolled Trips	36.5%	24.6%	17.2%	6.5%	15.1%

Appendix B, continued, 2

CHP Enforcement

Year	Quarter	Enforcement Type	Quarterly Share	Count
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
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

Appendix B, continued, 3

CHP Enforcement, continued

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
2024	Q2	Double Lines Citation	16%	410
2024	Q2	Occupancy Citation	36%	909
2024	Q2	Other	1%	14
2024	Q2	Other Citation	23%	590
2024	Q2	Verbal Warning	24%	618

For more information, visit expresslanes.511.org or [MTC's express lanes page](https://mtc.ca.gov/operations/traveler-services/bay-area-express-lanes) (https://mtc.ca.gov/operations/traveler-services/bay-area-express-lanes)

