



Supporting Document #2

Aggregated Trip Data

San Mateo County 101 Express Lanes Initial Performance Evaluation Study

March 2026

1 Purpose

This memorandum documents the trip and occupancy data used in the San Mateo County 101 Express Lanes Initial Performance Evaluation Study, available on the 101 Express Lanes website under '[Documents](#).' The trip data have been aggregated from the express lanes toll system in accordance with California Streets and Highways Code §31490. The data provided below present the number of trips by period (e.g., Mar 2024), corridor (e.g., SM-101 SB), and type (e.g., SOV, HOV2).

2 Aggregated Trip Data

2.1 Data Description

Below is a description of the fields and how this aggregation compares to the data used in the Study.

1. Period – Month-Year – ex. Mar-2024 – The Study aggregates the trips to a quarterly level with Q1 matching fiscal year starting in July.
2. Corridor – ex. SM-101 SB – The table below shows trips by corridor direction while the Study aggregates them together.
3. Type – ex. SOV, HOV2 – The table below shows breakdown for various trip types. For the Study, HOV3+ and HOV2 are retained as 3-person and 2-person carpools, while SOV, CAV and IBT are aggregated as single-occupant vehicles.
 - a. SOV – Single Occupant Vehicle – declared by Toll Tag setting
 - b. HOV2 – 2-person Carpool – declared by Toll Tag setting
 - c. HOV3+ - 3 or More Person Carpool – declared by Toll Tag setting
 - d. IBT – Image based trips identified through License Plate and considered as vehicles with a single occupant.

To estimate the occupancy, the counts of each trip type are multiplied by the expected occupancy; ex. SOV trip count is multiplied by 1 and HOV3+ trip count is multiplied by 3 to estimate occupancy.

2.2 Dataset

| Period | Corridor | HOV3+ | HOV2 | CAV | IBT | SOV |
|----------|-----------|---------|--------|--------|---------|---------|
| Apr-2023 | SM-101 NB | 175,360 | 39,880 | 6,903 | 199,510 | 125,557 |
| Apr-2023 | SM-101 SB | 154,594 | 34,301 | 6,594 | 171,068 | 113,469 |
| May-2023 | SM-101 NB | 207,567 | 45,321 | 8,322 | 216,363 | 137,554 |
| May-2023 | SM-101 SB | 188,367 | 39,946 | 7,901 | 195,097 | 128,663 |
| Jun-2023 | SM-101 NB | 220,173 | 44,027 | 7,843 | 217,613 | 131,992 |
| Jun-2023 | SM-101 SB | 197,634 | 38,931 | 7,511 | 194,241 | 123,509 |
| Jul-2023 | SM-101 NB | 190,688 | 36,823 | 6,772 | 187,320 | 111,026 |
| Jul-2023 | SM-101 SB | 181,122 | 33,009 | 6,521 | 170,249 | 104,827 |
| Aug-2023 | SM-101 NB | 240,199 | 46,714 | 9,469 | 230,275 | 142,696 |
| Aug-2023 | SM-101 SB | 222,433 | 41,196 | 9,080 | 207,473 | 131,416 |
| Sep-2023 | SM-101 NB | 223,972 | 42,926 | 8,952 | 202,701 | 126,537 |
| Sep-2023 | SM-101 SB | 201,189 | 36,706 | 8,291 | 179,197 | 113,713 |
| Oct-2023 | SM-101 NB | 245,400 | 44,713 | 9,620 | 215,232 | 133,963 |
| Oct-2023 | SM-101 SB | 227,508 | 39,945 | 9,117 | 194,454 | 122,434 |
| Nov-2023 | SM-101 NB | 229,642 | 40,260 | 8,695 | 192,845 | 116,307 |
| Nov-2023 | SM-101 SB | 212,918 | 36,013 | 8,185 | 177,909 | 108,623 |
| Dec-2023 | SM-101 NB | 223,116 | 37,287 | 7,327 | 186,889 | 105,330 |
| Dec-2023 | SM-101 SB | 197,102 | 32,245 | 6,735 | 165,429 | 96,254 |
| Jan-2024 | SM-101 NB | 241,243 | 41,018 | 8,295 | 197,244 | 118,637 |
| Jan-2024 | SM-101 SB | 219,738 | 34,735 | 7,446 | 175,137 | 106,320 |
| Feb-2024 | SM-101 NB | 247,134 | 40,804 | 8,407 | 195,962 | 119,238 |
| Feb-2024 | SM-101 SB | 221,986 | 35,146 | 7,676 | 174,904 | 107,067 |
| Mar-2024 | SM-101 NB | 261,067 | 42,808 | 9,127 | 202,266 | 123,012 |
| Mar-2024 | SM-101 SB | 238,336 | 37,047 | 8,597 | 182,373 | 110,651 |
| Apr-2024 | SM-101 NB | 269,924 | 43,627 | 9,815 | 204,888 | 124,177 |
| Apr-2024 | SM-101 SB | 242,740 | 36,711 | 8,980 | 181,624 | 108,892 |
| May-2024 | SM-101 NB | 295,736 | 46,159 | 11,072 | 220,923 | 129,837 |
| May-2024 | SM-101 SB | 268,359 | 39,547 | 9,966 | 201,181 | 114,802 |
| Jun-2024 | SM-101 NB | 266,668 | 39,347 | 9,341 | 197,075 | 110,161 |
| Jun-2024 | SM-101 SB | 239,903 | 33,818 | 8,324 | 82,523 | 98,433 |
| Jul-2024 | SM-101 NB | 276,253 | 40,765 | 9,537 | 214,792 | 113,635 |
| Jul-2024 | SM-101 SB | 253,863 | 34,776 | 8,620 | 196,323 | 100,790 |
| Aug-2024 | SM-101 NB | 288,058 | 42,353 | 10,862 | 221,118 | 118,755 |
| Aug-2024 | SM-101 SB | 261,470 | 34,948 | 9,595 | 196,671 | 102,867 |

| | | | | | | |
|----------|-----------|---------|--------|--------|---------|---------|
| Sep-2024 | SM-101 NB | 277,009 | 40,490 | 10,863 | 207,924 | 109,183 |
| Sep-2024 | SM-101 SB | 250,693 | 34,080 | 9,914 | 185,392 | 96,289 |
| Oct-2024 | SM-101 NB | 322,618 | 46,895 | 12,792 | 237,071 | 129,526 |
| Oct-2024 | SM-101 SB | 293,549 | 40,055 | 11,631 | 213,286 | 115,704 |
| Nov-2024 | SM-101 NB | 256,973 | 36,851 | 9,893 | 184,110 | 100,718 |
| Nov-2024 | SM-101 SB | 230,166 | 31,420 | 8,826 | 165,600 | 88,531 |
| Dec-2024 | SM-101 NB | 272,812 | 37,650 | 9,315 | 196,787 | 100,284 |
| Dec-2024 | SM-101 SB | 248,830 | 32,957 | 8,432 | 183,489 | 92,069 |
| Jan-2025 | SM-101 NB | 283,490 | 40,191 | 9,975 | 197,659 | 108,950 |
| Jan-2025 | SM-101 SB | 263,244 | 34,639 | 9,108 | 182,351 | 98,182 |
| Feb-2025 | SM-101 NB | 268,427 | 37,656 | 9,669 | 181,233 | 100,822 |
| Feb-2025 | SM-101 SB | 242,820 | 32,083 | 8,630 | 164,034 | 89,571 |
| Mar-2025 | SM-101 NB | 299,903 | 42,588 | 10,801 | 198,640 | 113,621 |
| Mar-2025 | SM-101 SB | 276,219 | 37,074 | 9,911 | 182,756 | 102,768 |
| Apr-2025 | SM-101 NB | 317,914 | 43,738 | 11,112 | 207,849 | 117,438 |
| Apr-2025 | SM-101 SB | 289,162 | 37,476 | 9,983 | 188,714 | 103,431 |
| May-2025 | SM-101 NB | 325,798 | 45,238 | 11,276 | 211,551 | 116,348 |
| May-2025 | SM-101 SB | 292,487 | 38,268 | 10,167 | 188,299 | 102,571 |
| Jun-2025 | SM-101 NB | 320,844 | 42,825 | 10,571 | 200,876 | 109,696 |
| Jun-2025 | SM-101 SB | 283,602 | 36,519 | 9,367 | 179,335 | 95,431 |
| Jul-2025 | SM-101 NB | 322,490 | 43,776 | 10,590 | 204,349 | 113,573 |
| Jul-2025 | SM-101 SB | 292,834 | 37,020 | 9,428 | 184,941 | 98,567 |
| Aug-2025 | SM-101 NB | 320,627 | 45,804 | 9,306 | 203,373 | 113,890 |
| Aug-2025 | SM-101 SB | 282,852 | 37,586 | 8,106 | 179,472 | 97,264 |
| Sep-2025 | SM-101 NB | 325,900 | 48,097 | 6,206 | 202,501 | 116,450 |
| Sep-2025 | SM-101 SB | 291,846 | 40,377 | 5,269 | 181,032 | 101,179 |