

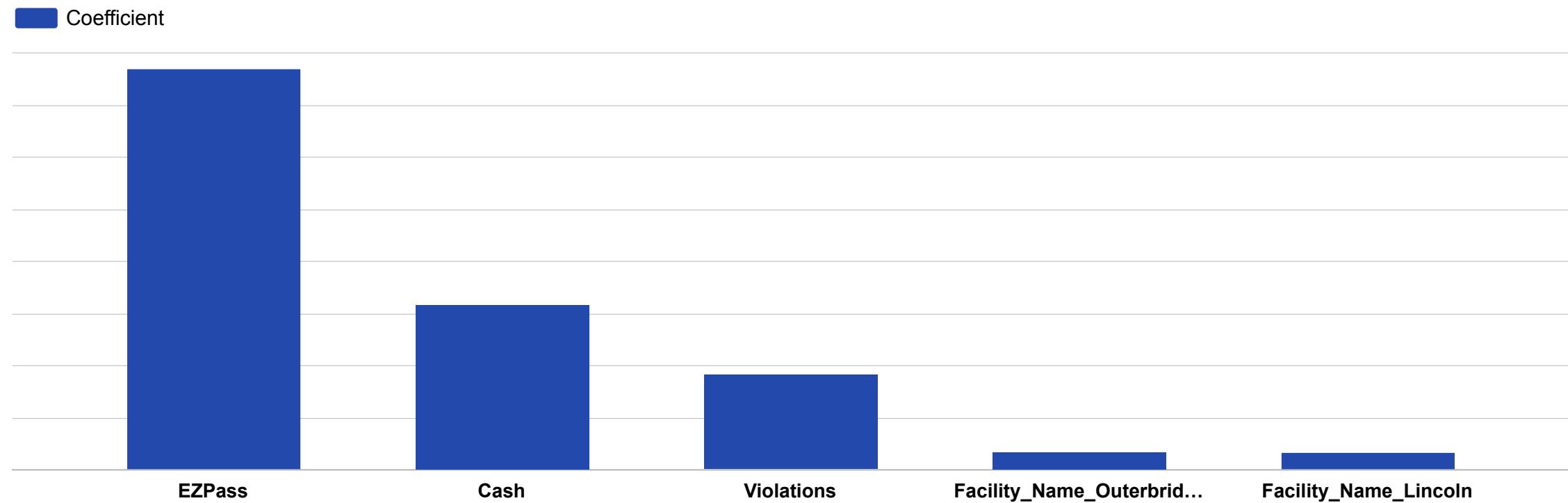


University of
New Haven

Port Authority Traffic Insights Dashboard

Group 5

Goal 1: Top 5 Factors Affecting Bridge & Terminal Usage



Regression results show that EZPass usage, Cash payments, and Violations are the strongest predictors of bridge and terminal traffic. This means that payment behavior and driver compliance have a larger influence on traffic volume than facility characteristics.

Goal 2: Toll Violations by Time and Facility

Total Traffic

122.4M

Total Violations

4.3M

Violation Rate

3.51%

Year

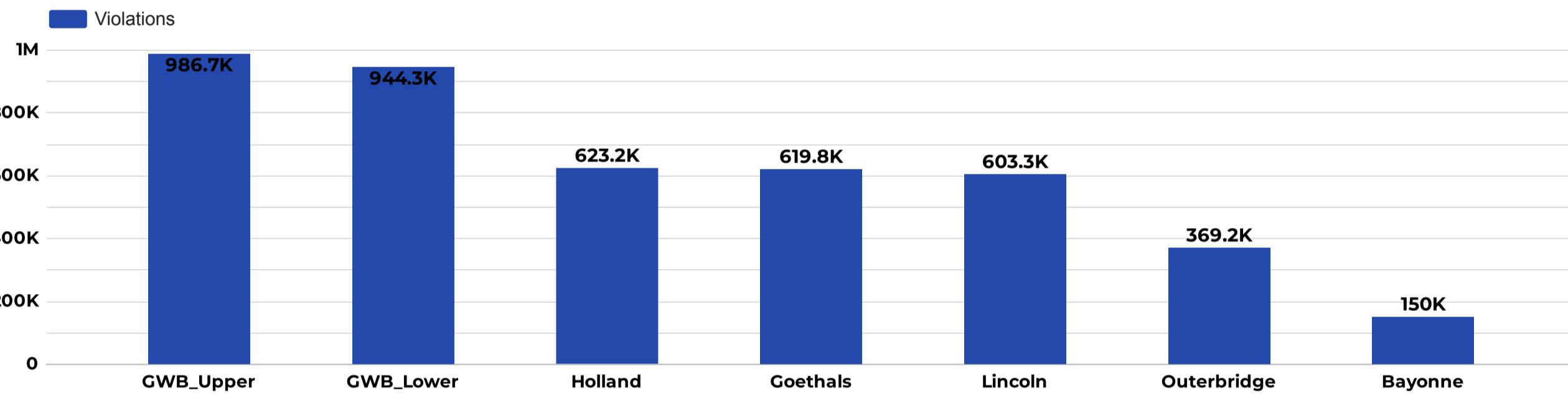
2024

Jan 1, 2024 - Dec 31, 2024

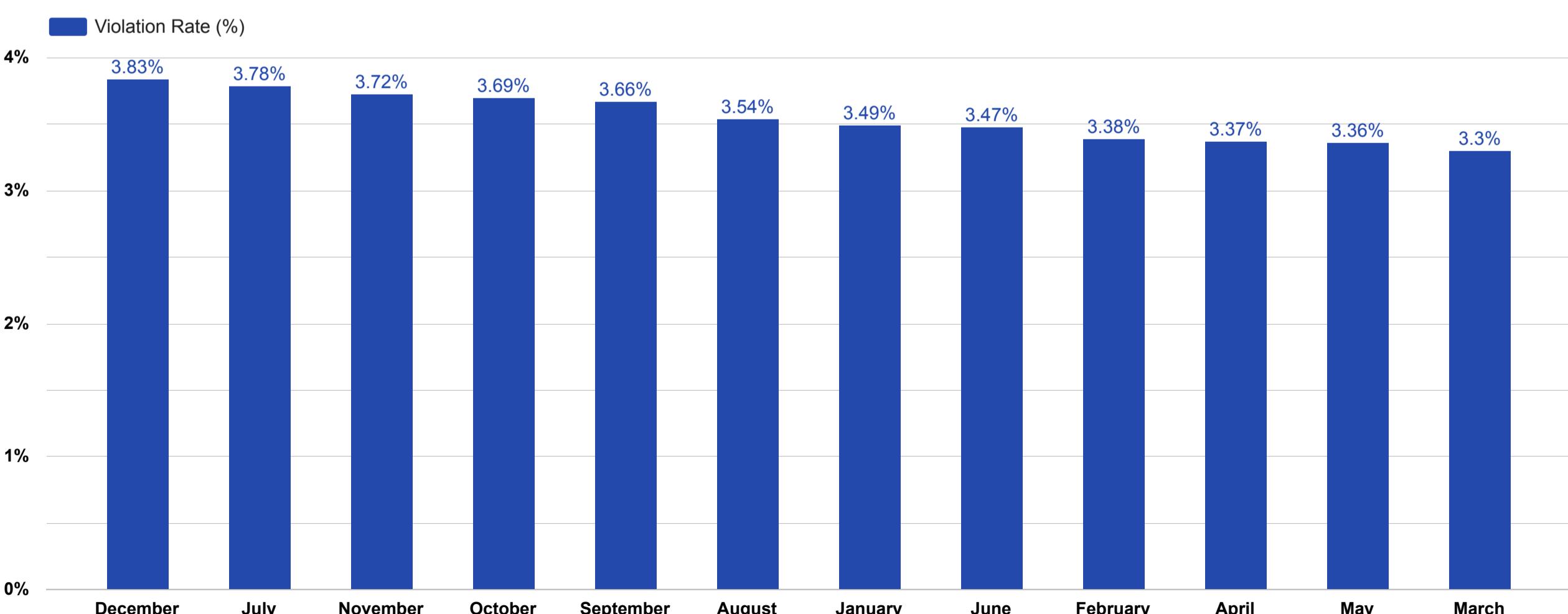
Toll Violations Trend by Yearly, Monthly, Weekly



Violations by Facility



Violation Rate by Month and Facility Names



Goal 3: Factors Affecting Bridge and Tunnel Usage

Total Traffic
125.7M

Total Violations
6.0M

Violation Rate (%)
4.74%

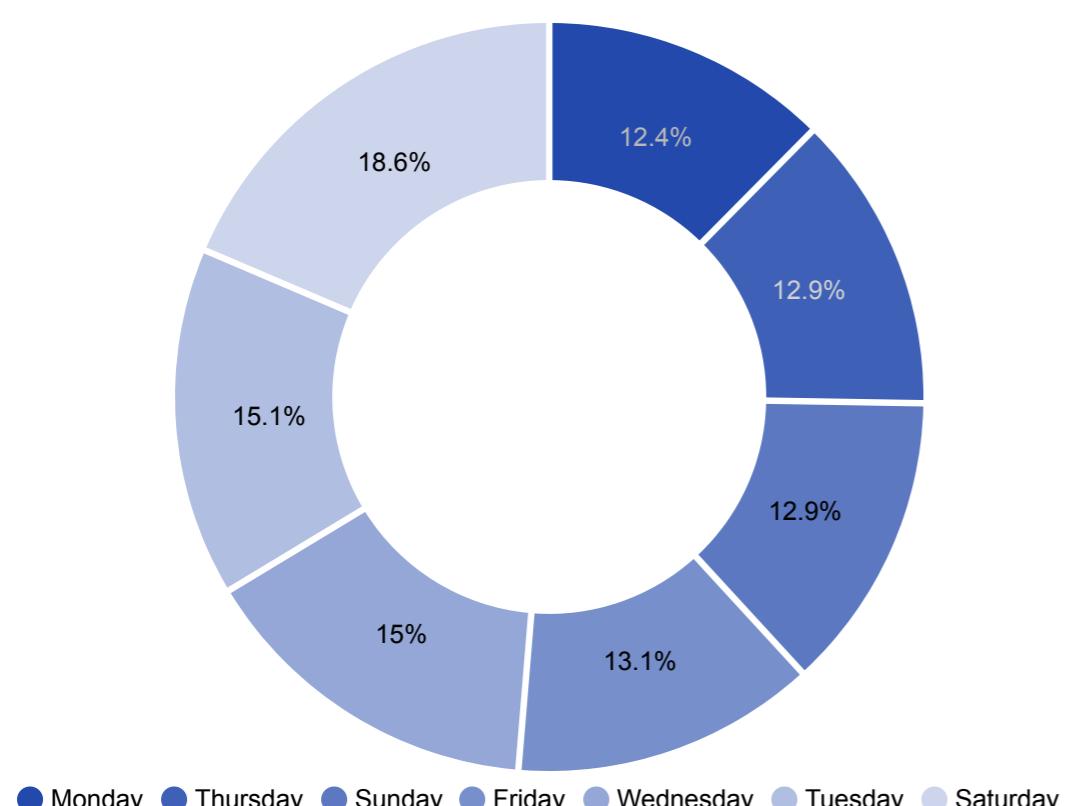
Year
2025

Jan 1, 2025 - Dec 1, 2025

Yearly, Monthly, Weekly Traffic Volume



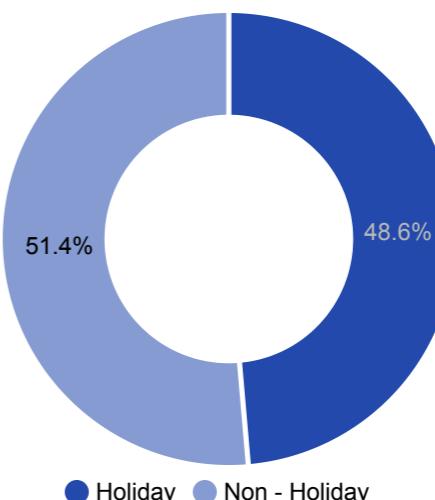
Traffic % by Day of Week



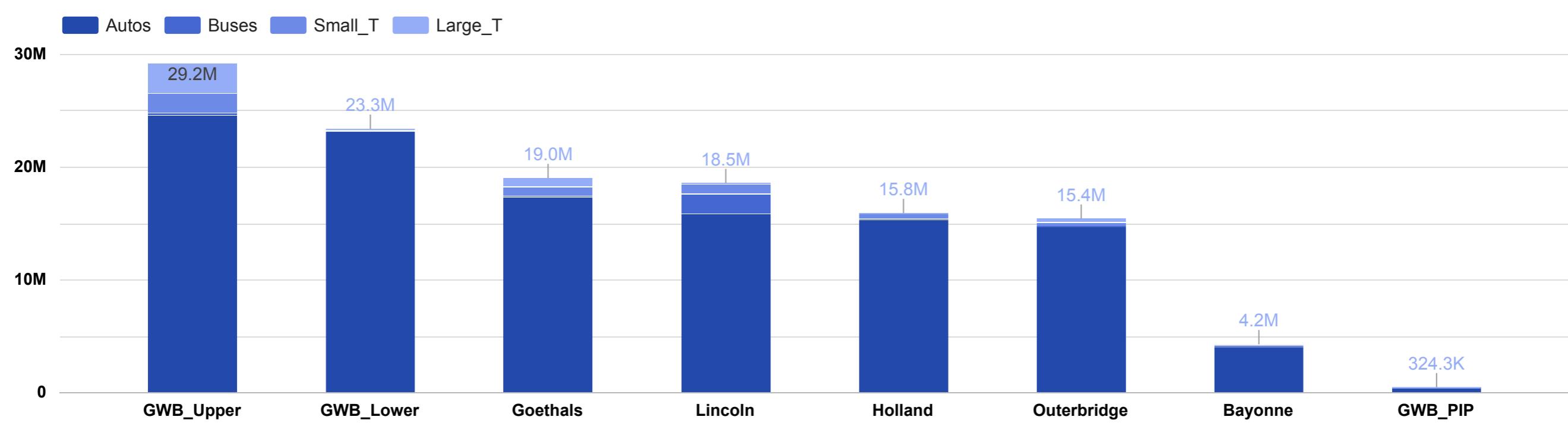
Holiday Status

Holiday	Day	Status
New Year's Day	Wednesday	Holiday
Eastern Easter	Sunday	Holiday
Western Easter	Sunday	Holiday

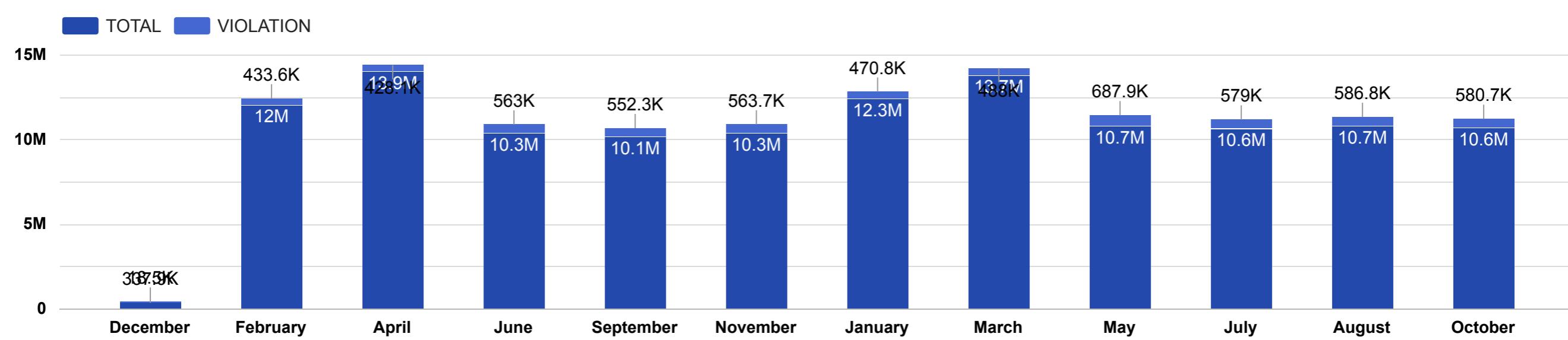
Average Traffic % Holiday vs Non - Holiday



Total Vehicles Types by Facility



Traffic vs Violations by Month & Year



Goal 4: Traffic Congestion and Toll Pricing Impact (2025)

Auto Toll Rate
\$16.06

Buses Toll Rate
\$18.00

Total Traffic 2025

170.9M

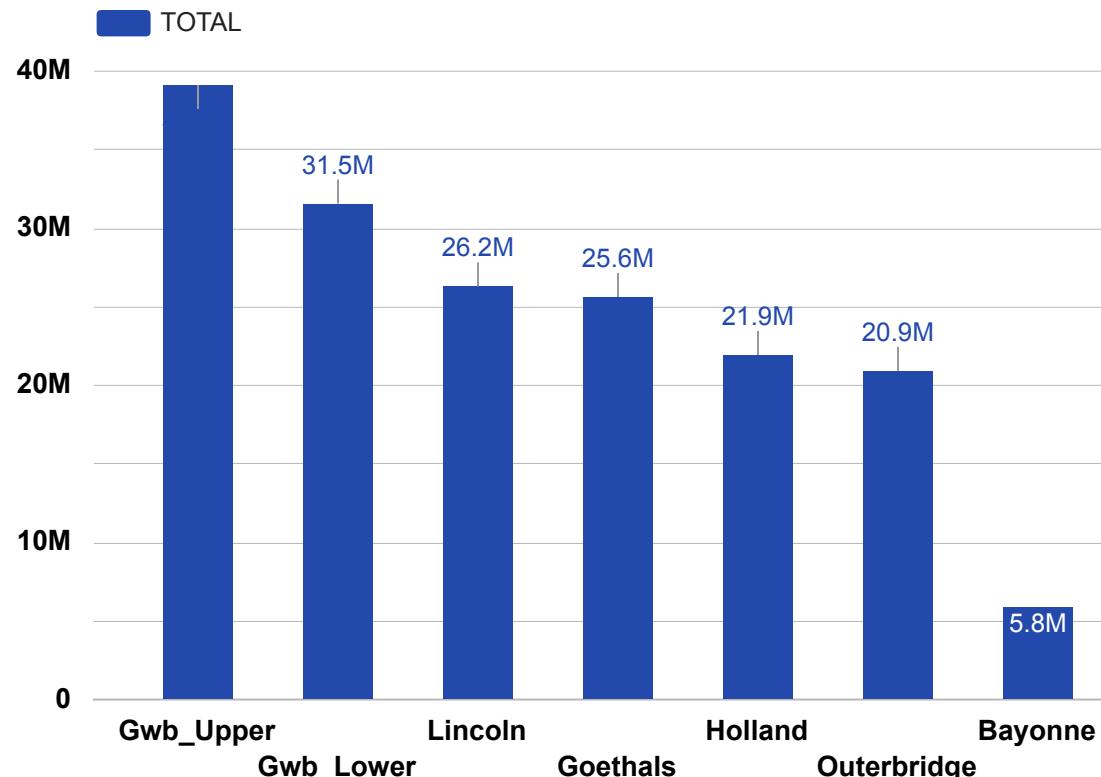
Total Traffic 2024

195.7M

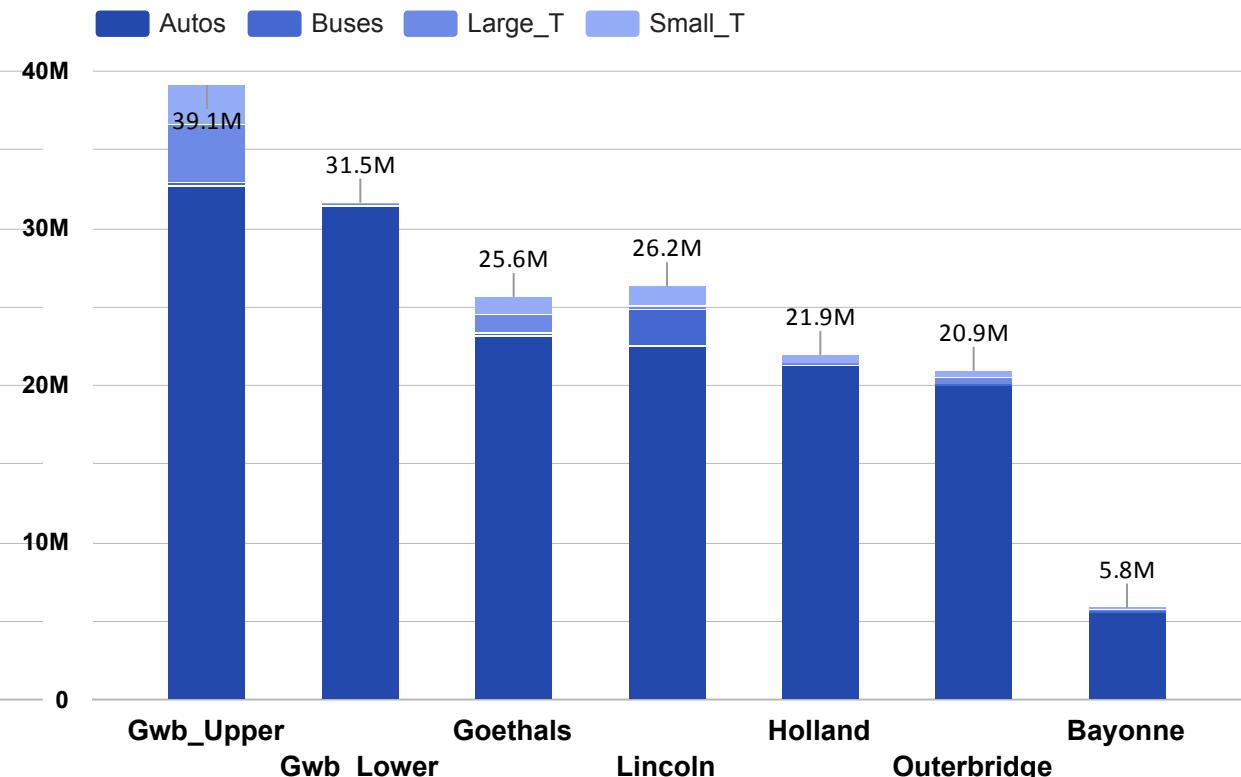
Small Trucks Toll Rate
\$65.04

Large Trucks Toll Rate
\$108.40

Total Traffic by Facility Name (2025)



Total Vehicles by Facility Name (2025)



Goal 5: Facility Usage Forecast (2025-2030)

Total Forecasted Traffic

Total Forecasted Violations

Violation Rate %

Year

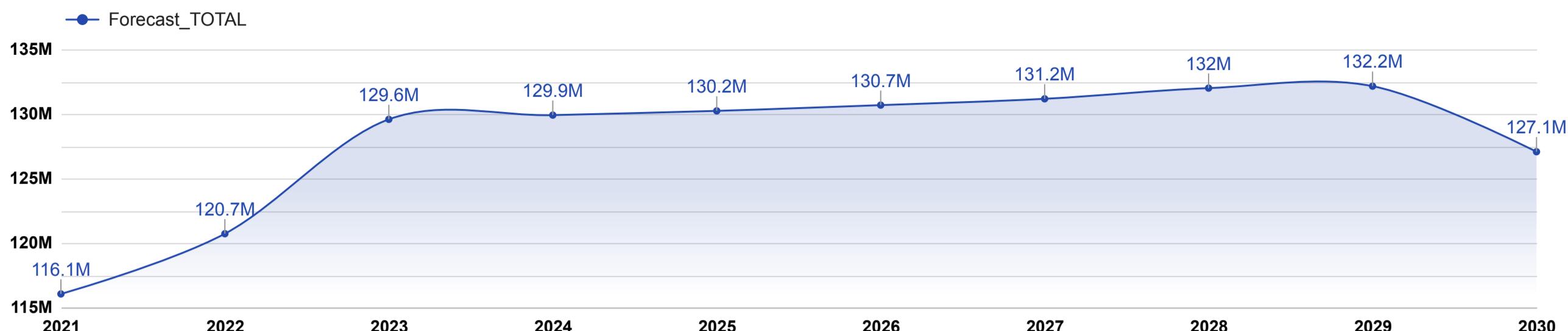
783.3M

43.2M

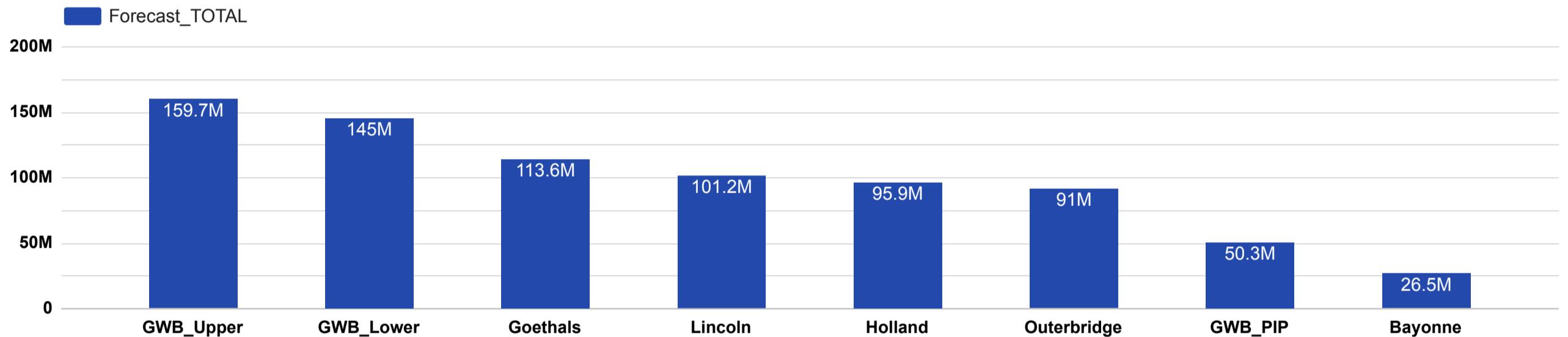
5.52%

2030

Historical vs Forecasted Traffic (2025-2030)



Forecasted Traffic by Facility (2025-2030)



Forecasted Traffic by Year, Month and Facility Names (2025-2030)

