

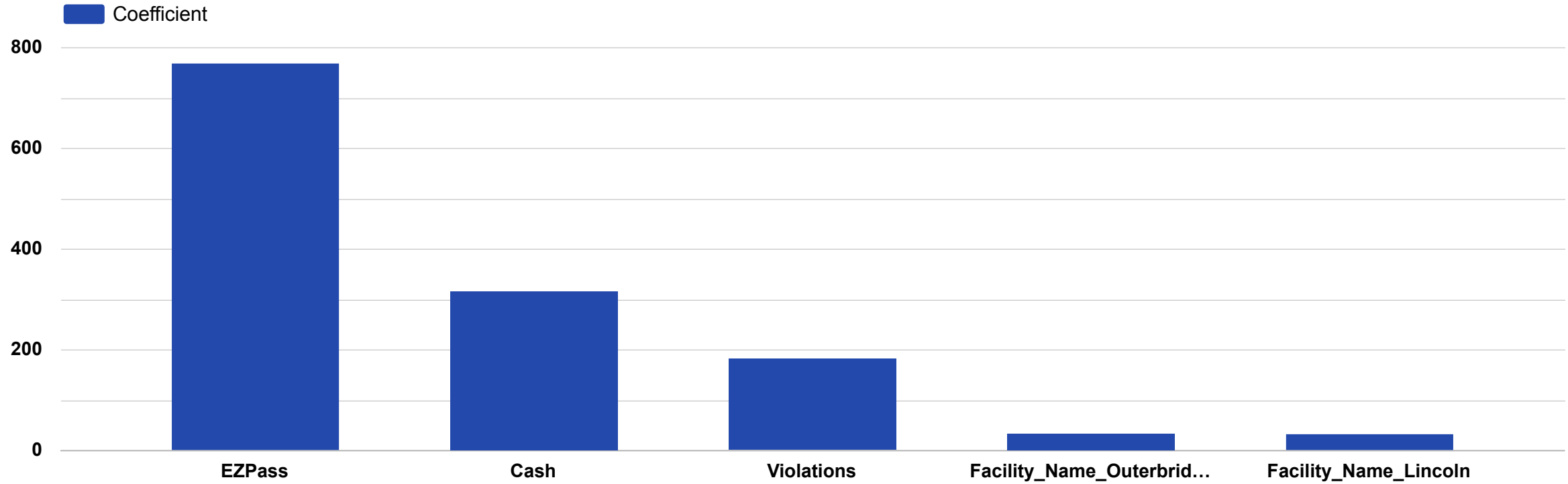


University of
New Haven

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

27.6M

Total Violations

986.7K

Violation Rate

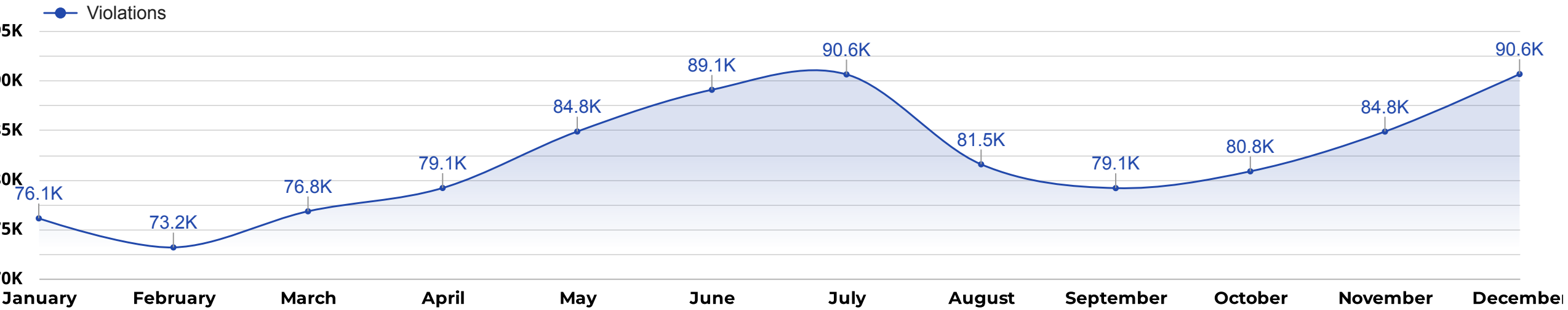
3.58%

Year

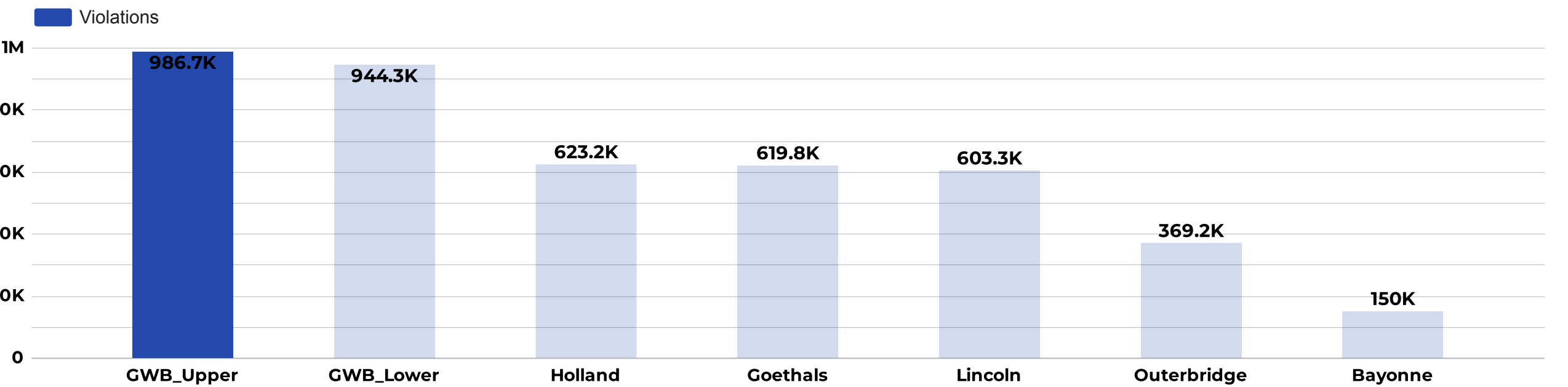
2024

Jan 1, 2024 - Dec 31, 2024

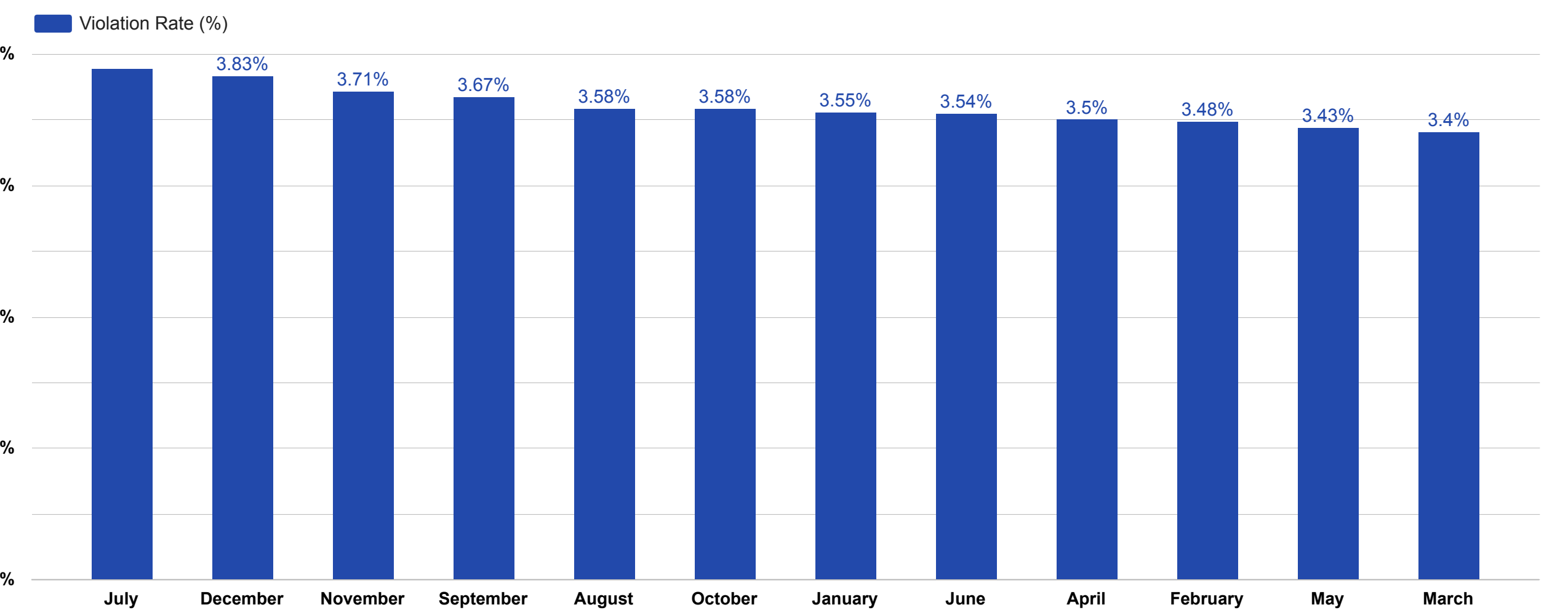
Toll Violations Trend by Yearly, Monthly, Weekly



Violations by Facility



Violation Rate by Month and Facility Names



Goal 3: Factors Affecting Bridge and Tunnel Usage

Total Traffic

12.3M

Total Violations

470.8K

Violation Rate (%)

3.82%

Year

2025

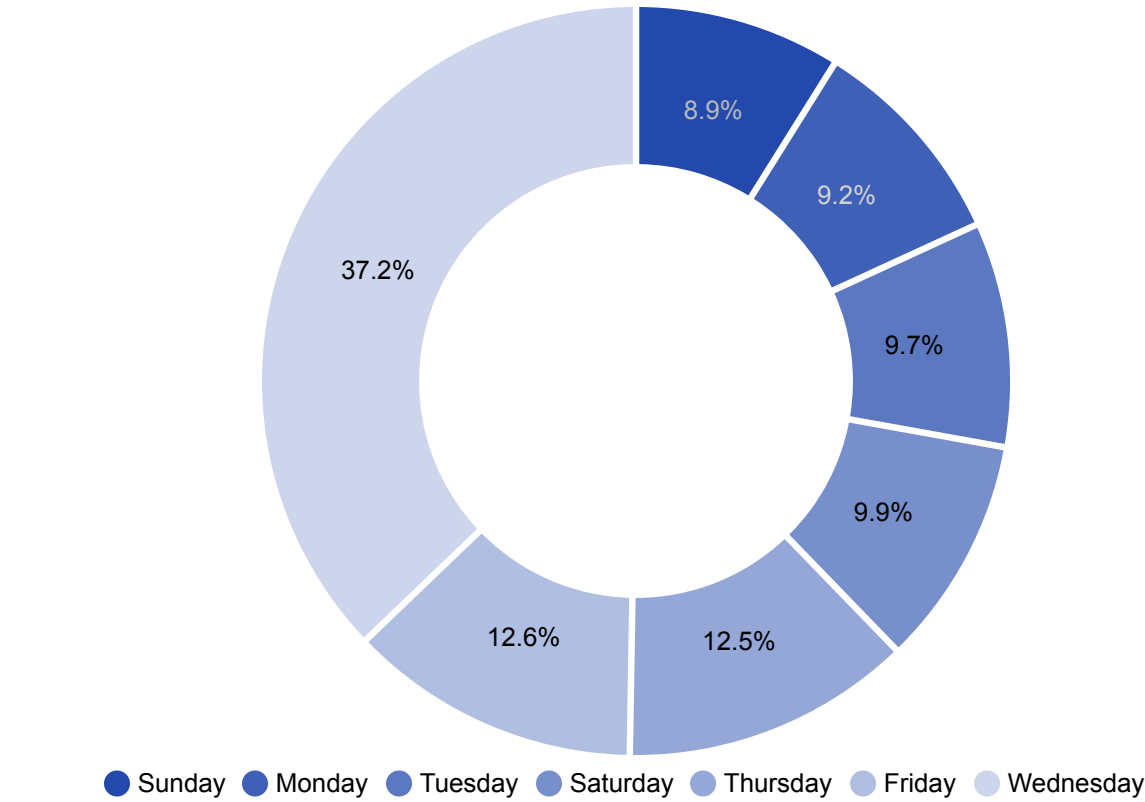
Jan 1, 2025 - Jan 31, 2025

▼

Yearly, Monthly, Weekly Traffic Volume



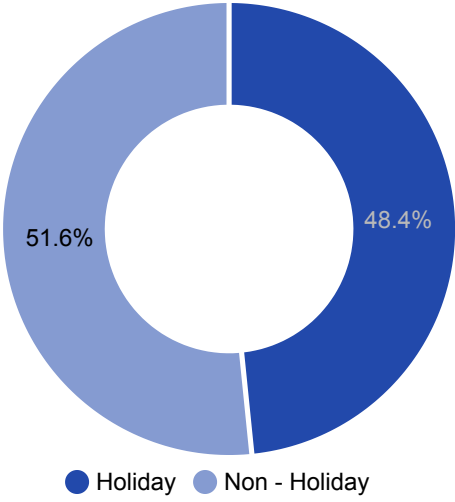
Traffic % by Day of Week



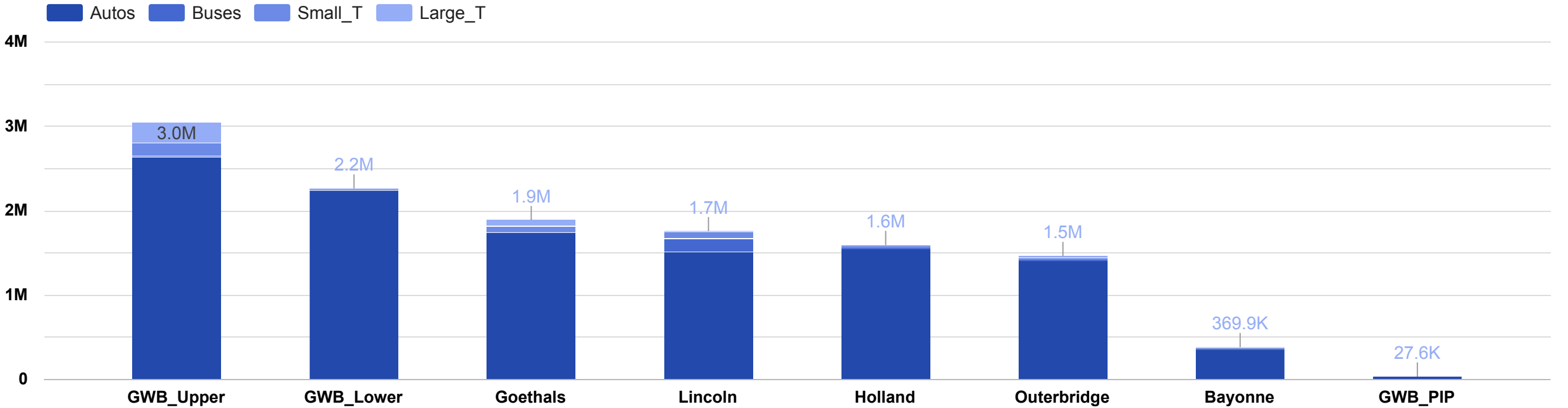
Holiday Status

Holiday	Day	Status
New Year's Day	Wednesday	Holiday
Martin Luther King, Jr. Day	Monday	Holiday

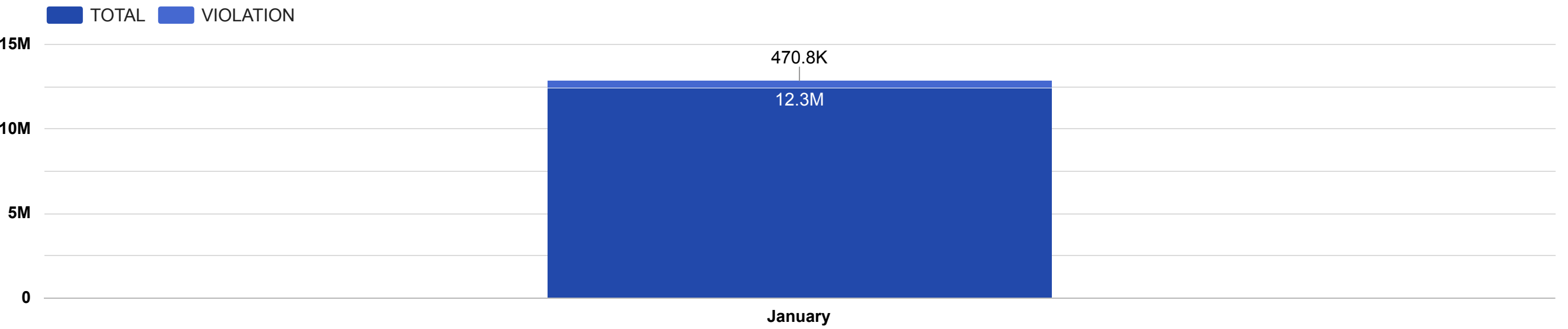
Average Traffic % Holiday vs Non - Holiday



Total Vehicles Types by Facility



Traffic vs Violations by Month & Year



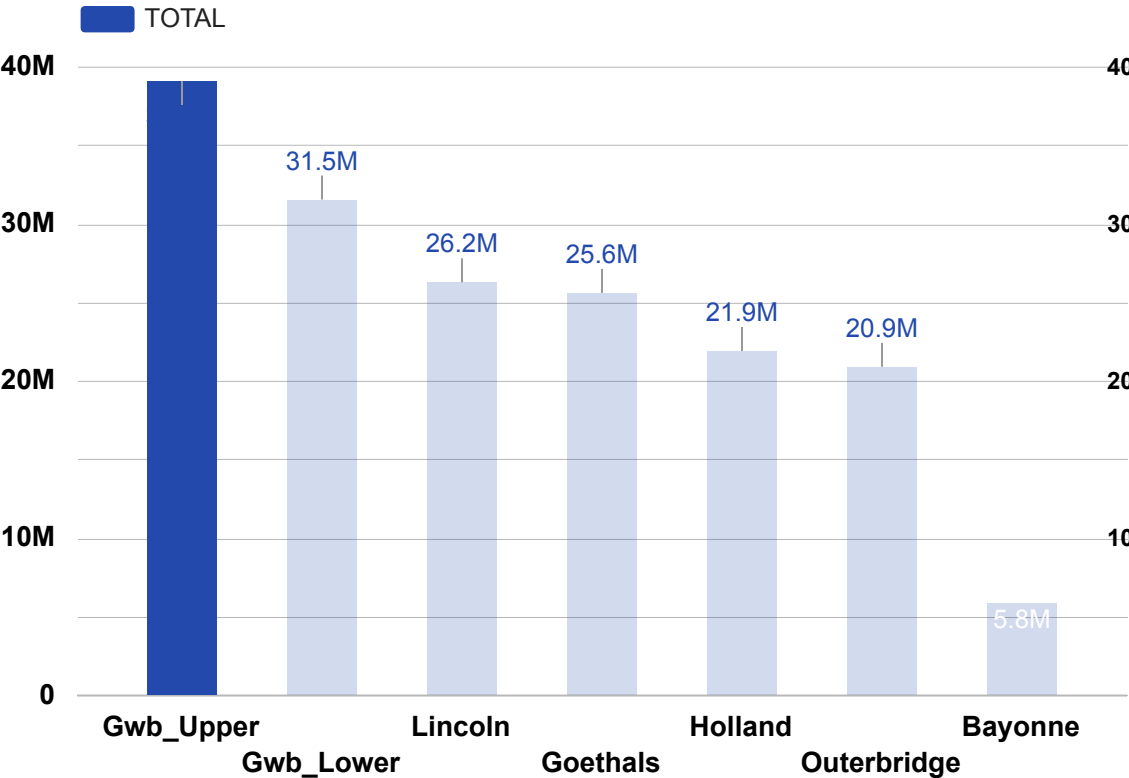
Goal 4: Traffic Congestion and Toll Pricing Impact (2025)

Auto Toll Rate	Buses Toll Rate
\$16.06	\$18.00
Small Trucks Toll Rate	Large Trucks Toll Rate
\$65.04	\$108.40

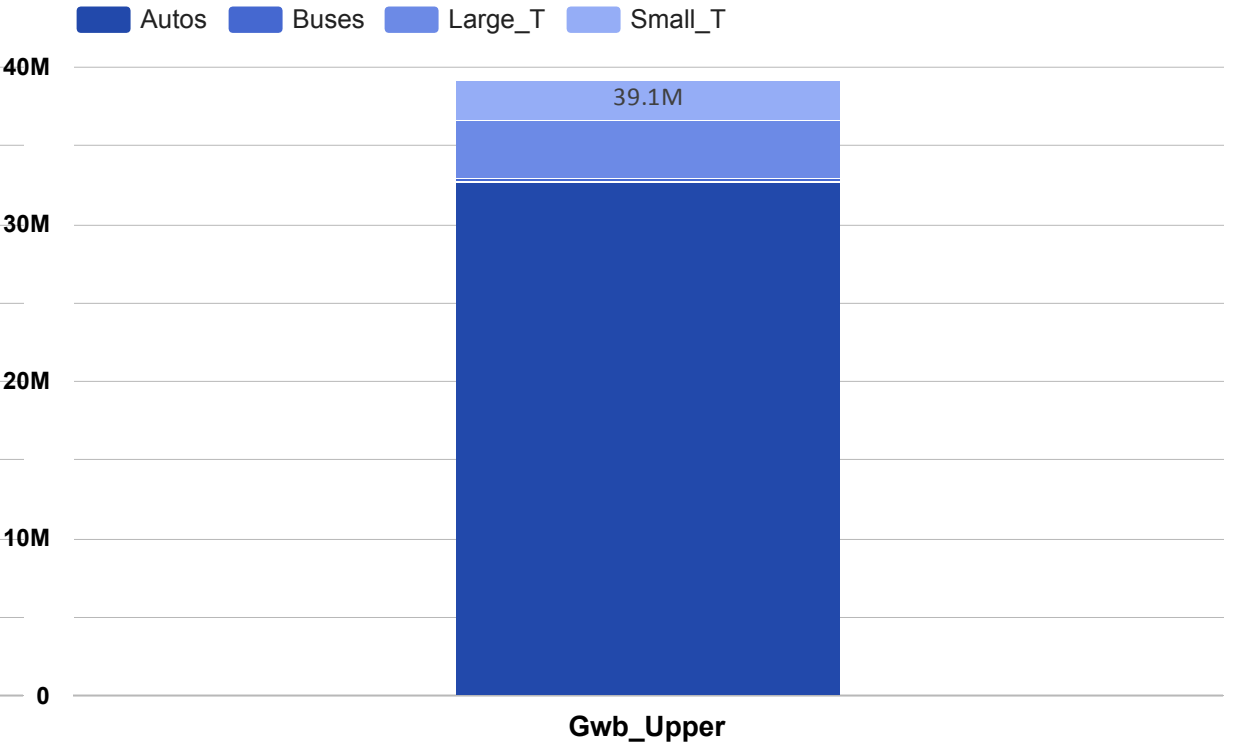
Total Traffic 2025
39.1M

Total Traffic 2024
45.7M

Total Traffic by Facility Name (2025)



Total Vehicles by Facility Name (2025)



Goal 5: Facility Usage Forecast (2025-2030)

Total Forecasted Traffic

159.7M

Total Forecasted Violations

9.7M

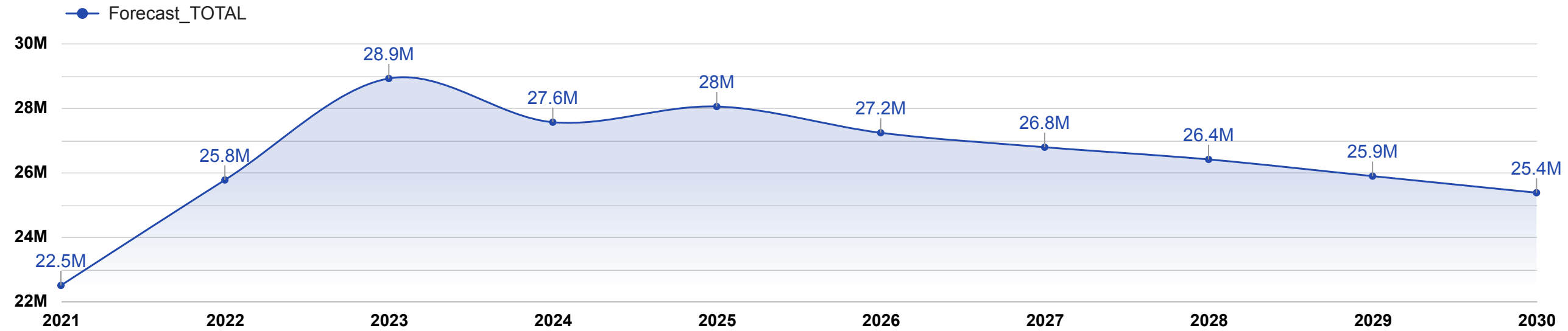
Violation Rate %

6.09%

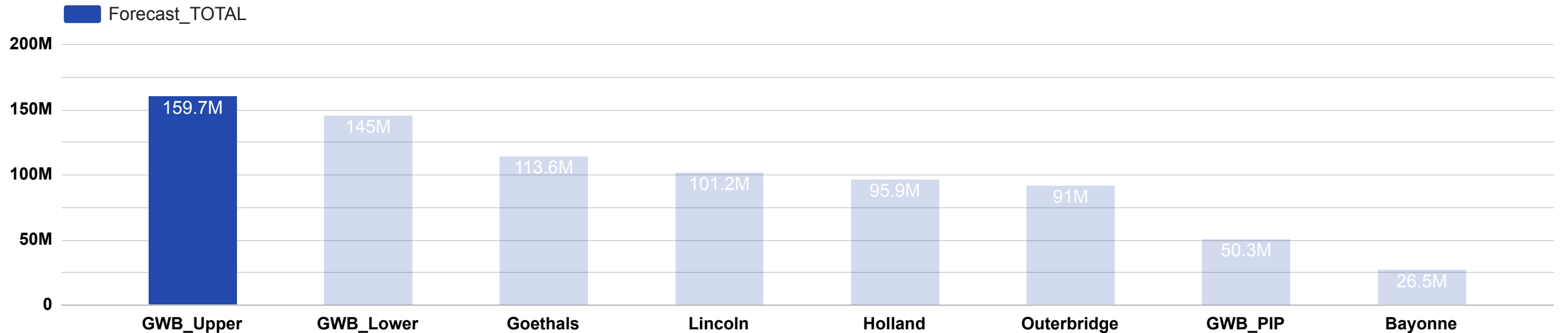
Year

2030

Historical vs Forecasted Traffic (2025-2030)



Forecasted Traffic by Facility (2025-2030)



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

