NYC Bridge and Screenline Traffic Volumes Dashboard Metadata

Data Methodology

Vehicular traffic volumes are collected annually for a two week period either during the fall months of September, October, and November or during the spring months of March, April, May, and June. Most of these traffic volumes are collected using Automated Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A small percentage are collected using cameras. Average hourly volumes and an average daily volume are calculated from valid midweek days (Tuesday through Thursday).

Dashboard Visuals

The line graph on the *"Average Daily Traffic Volumes per Facility per Year"* page (page 1 of 2) represents a bidirectional (where applicable) average daily volume per location dating back to 1981 for most locations.

The line graph on the *"Average Hourly Traffic Volumes per Facility"* page (page 2 of 2) represents the average bidirectional (where applicable) hourly volumes per location. This graph displays the end of the hour for each traffic volume on the x axis. For example, in the year of 2019 for Brooklyn Bridge, the traffic volume of 7,931 occurs during the 11:00 PM to 12:00 AM time period. Similarly, the traffic volume of 5,333 occurs during the 12:00 AM to 1:00 PM time period, and so on.

The "Group" and the "Facility" filters will apply to both graphs. The "Year" filter will only alter the *"Average Hourly Traffic Volumes per Facility"* line graph.
Each graph can display a maximum of only 60 facilities (lines) due to a limitation with Power BI. There are a total of 99 facilities to choose from.
The line styles represent different facility types.

Line Style Definitions
- Solid line – Bridge or Tunnel
- Dashed line – Street or Boulevard
- Dotted line – Expressway or Parkway

Definitions

Group ‑ a collection of traffic volume locations grouped by similar geography.

Facility – Any physical transportation infrastructure that supports the movement of vehicles. This includes, local streets, boulevards, parkways, expressways, bridges and tunnels.

Screenline – An imaginary line on a map that roadways cross, used for data collection purposes. Example: the Queens – Nassau boundary can be considered a screenline.

Subregional – refers to the sub region of New York City.

Facility Attributes

The following attributes pertain only to the facilities listed.

One-way facilities in the dashboard include:
- Decatur Street
- Greene Avenue
- Cornelia Street
- Linden Street
- 3rd Avenue Bridge
- Carroll Street Bridge
- Union Street Bridge
- Willis Avenue Bridge

Facilities that include service roads in addition to the main roadway:
- Eastern Boulevard Bridge
- Major Deegan Expressway
- Long Island Expressway Queens-Nassau
- Grand Central Expressway
- Linden Boulevard Brooklyn-Queens

Disclaimer

The data presented in this dashboard underwent thorough Quality Assurance/Quality Control in order to remove any outliers and provide average volumes representative of usual traffic volumes during a mid-weekday period (Tuesday – Thursday). However, the numbers for some locations are significantly higher/lower than previous years, so please use your own discretion when using these numbers in any analysis. Additionally, some data was omitted due to faulty data being collected or data not yet being available.

Facilities per Group

The following table lists the facilities in each group which have traffic volumes visualized in the dashboard.

Group	Facility
Bronx	'City Island Bridge', 'East 174th Street Bridge', 'Eastchester Bridge', 'Eastern Boulevard Bridge', 'Hutchinson River Parkway Bridge', 'Pelham Bay Bridge', 'Unionport Bridge', 'Westchester Avenue Bridge'
Bronx-Westchester Screenline	'New England Thruway', 'Webster Avenue', 'Major Deegan Expressway', 'Riverdale Avenue', 'Boston Road', 'Hutchinson River Parkway', 'Broadway', 'White Plains Road', 'Henry Hudson Parkway', 'Bronx River Parkway', 'Van Cortlandt Park East'
Brooklyn	'Carroll Street Bridge', 'Cropsey Avenue Bridge', 'Hamilton Avenue Bridge', 'Metropolitan Avenue Bridge', 'Mill Basin Bridge', '9th Street Bridge', 'Stillwell Avenue Bridge', '3rd Avenue Bridge Brooklyn', '3rd Street Bridge', 'Union Street Bridge'

Brooklyn-Queens Screenline	'Kosciuszko Bridge', 'J.J. Byrne Memorial Bridge', 'Grand Street Bridge', 'Pulaski Bridge', 'Dekalb Avenue', 'Greene Avenue', 'Cornelia Street', 'Atlantic Avenue', 'Decatur Street', 'Linden Street', 'Jackie Robinson Parkway', 'Cooper Avenue', 'Linden Boulevard Brooklyn_Queens', 'Sutter Avenue', 'Belt Parkway'
East River	'Manhattan Bridge', 'Ed Koch Queensboro Bridge', 'Brooklyn Bridge', 'Williamsburg Bridge'
Harlem River	'Madison Avenue Bridge', '3rd Avenue Bridge Bronx_Manhattan', 'Alexander Hamilton Bridge', 'Washington Bridge', 'Willis Avenue Bridge', 'Broadway Bridge', 'University Heights Bridge', '145th Street Bridge', 'Macombs Dam Bridge'
MTABT Manhattan Crossings	'Henry Hudson Bridge', 'Hugh L Carey Tunnel', 'Queens Midtown Tunnel', 'Robert F. Kennedy Bridge Manhattan Plaza'
MTABT Outer Borough	'Throgs Neck Bridge', 'Verrazano Bridge', 'Robert F. Kennedy Bridge Bronx Plaza', 'Bronx Whitestone Bridge', 'Cross Bay Bridge', 'Marine Parkway Gil Hodges Memorial Bridge'

PANYNJ Manhattan Crossings	'Lincoln Tunnel', 'George Washington Bridge', 'Holland Tunnel'
PANYNJ Staten Island-New Jersey	'Outerbridge Crossing', 'Bayonne Bridge', 'Goethals Bridge'
Queens	'Borden Avenue Bridge', 'Flushing Bridge', 'Hunters Point Bridge', 'Rikers Island Bridge', 'Roosevelt Island Bridge', 'Roosevelt Avenue Bridge', 'Whitestone Expressway Bridge', 'Joseph P. Addabbo Bridge', 'Little Neck Bridge', 'Midtown Highway Bridge'
Queens-Nassau Screenline	'Beach Channel Drive', 'Rockaway Boulevard', 'Merrick Boulevard', 'Grand Central Parkway', 'Sunrise Highway', 'Long Island Expressway', 'Union Turnpike', 'Northern Boulevard', 'Hempstead Avenue', 'Hillside Avenue', 'Laurelton Parkway', 'Central Avenue', 'Seagirt Boulevard', 'Jamaica Avenue', 'Linden Boulevard Queens_Nassau'
Staten Island	'Fresh Kills Bridge'