

CENTRAL BUSINESS DISTRICT (CBD) TOLLING PROGRAM

Appendix 4B.9, Transportation: Traffic Data Collection Program

August 2022

From June 15–25, 2019, an extensive traffic data collection effort was undertaken at intersections within the 15 intersection study areas. Additional data collection occurred in fall 2019, and NYCDOT provided available traffic count data from recent traffic studies (all pre-COVID-19 pandemic). The data collection calibration and balancing of intersection traffic and pedestrian volumes included the following and were done in coordination with NYCDOT.

- **Turning-movement counts** at 40 locations
 - 16 locations on the West Side
 - 12 locations on the East Side
 - 12 locations in the Lower Manhattan and Queens-Midtown Tunnel areas
- **Automatic Traffic Recorder (ATR) counts** at 118 locations within the study areas
 - 42 locations on the West Side at 60th Street area
 - 42 locations on the East Side at 60th Street area
 - 34 locations in the Lower Manhattan and Queens-Midtown Tunnel areas
- **Vehicle classification** counts at each of the 40 intersections and eight ATR locations.

The following data collection times were used.

- AM count period: 7:00 a.m. to 10:00 a.m.
- Midday (MD) count period: 11:00 a.m. to 2:00 p.m.
- PM count period: 4:00 p.m. to 7:00 p.m.
- Late night (LN) count period: 8:00 p.m. to 12:00 a.m.

Field data relating to traffic operations were collected in June 2019 at key intersections in the 15 study areas:

- **Physical inventory**, including intersection geometry, number of lanes, lane markings, lane widths, permitted movements, turning bay lengths, signage, traffic controls, signal-timing, and all other applicable dimensions.
- **Signal-timing** data was provided by NYCDOT.
- **Operating characteristics**, including lane designations, parking regulations, bus stop locations, bus lane locations, turning restrictions, and all other applicable characteristics.
- **Traffic and pedestrian counts**, including 7-day ATR counts, video turning-movement counts with vehicle classifications, and video pedestrian counts.
- **Field observations of roadway and intersection performance characteristics**, including floating vehicle-speed and delay measurements, queue lengths, and intersection processing rates.
- **Vehicle speeds, travel time, and travel pattern data** were purchased from StreetLight Data, Inc.