Integrated Corridor Management (ICM) uses technology and real-time traffic information to manage transportation networks with greater efficiency. The ICM system will result in smoother traffic flow, more consistent speeds, more reliable travel times, and safer travel conditions for drivers. The technology implemented on both I-287/I-87 and arterial roadways (Routes 9, 119, and 59) such as ramp meters with bus queue jumps, real-time travel information, and Transit Signal Priority will provide benefits to buses, automobiles, and trucks.

### Ramp Metering

1. Highway congestion triggers sensors
2. Sensors activate ramp meter signal
3. Ramp meter regulates on-ramp traffic flow, easing congestion on I-287

One of the ICM system’s main components is ramp metering. Specific on-ramps to I-287/I-87 will be equipped with a metering device and red/green traffic signal that, during peak hours and other periods of heavy congestion, will moderate the number of vehicles entering the highway. When the ramp meter is operating, every vehicle entering the on-ramp must stop at a red traffic signal. One or two vehicles are released per green signal. An additional sensor is placed at the ramp’s end to make sure cars do not back up onto local roads. Ramp metering will reduce congestion on the highway and improve safety at the highway/ramp merge point. Ramp meters are currently in use on sections of the Long Island Expressway and other major highways throughout the country.

### Locations

The map to the right shows the proposed ramp meter locations along I-287/I-87. While all entry ramps between Suffern and White Plains were initially considered for metering, these 13 were selected based on a number of criteria including ramp length, available space for ramp widening, number of cars entering the ramp, cost, and the anticipated congestion alleviation benefits. At the eastbound and westbound entry ramps at Interchange 12, the entrances will be two lanes, each controlled by a signal, with one of the lanes giving preference to buses.

Check for updates: www.dot.ny.gov/LHTL