

Congestion Mitigation and Air Quality (CMAQ) Program

JFK Boulevard Traffic Signal Optimization- St. Paul's Avenue - Clinton Avenue

JFK Boulevard Traffic Signal Optimization- Armstrong Avenue - Clinton Avenue (Part B) -

One of Hudson County's goal is to optimize County owned traffic signals with ITS technology. Hudson County was recently awarded funds from a NJTPA's Congestion Mitigation and Air Quality (CMAQ) grant for signal optimization on JFK Blvd. between Clinton Avenue and Armstrong Avenue in Jersey City, NJ - obligate three (3) miles of its roadway to optimized traffic signals. The benefits would include reductions in air pollutants and reduced congestion spanning from Journal Square towards the Jersey City/City of Bayonne border.

By programming each signal with a predetermined timing offset, a 'green wave' can be achieved that allows motorists to progress along the corridor at a desired speed. This technique can also be used to prioritize bicycles and pedestrians by changing the offset to align with typical cycling and walking speeds. Synchronizing signals can be most effective when combined with advisory signage that tells drivers what speed the signals are set for.

Hudson County's ITS proposal compliments multiple regional and statewide planning initiatives. There are many on-going discussions with regional and national stakeholders to minimize safety and environmental risks exacerbated along high-traffic corridors of Jersey City catalyzed by congestion overflowing from state roads and interstate highways.

