

Project: *City of Euclid, Traffic Signal Upgrade Project
CUY-6-25.01(PID 11843)*

Owner: City of Euclid, Ohio

Contact: Mr. Monte Carlo
Traffic Superintendent
City of Euclid
585 E. 222nd Street
Euclid, Ohio 44123
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Construction Value: \$2.9 million

Description: This project was the modernization and coordination of traffic signals at 53 intersections along the corridors of Euclid Avenue (US 20), E. 260th Street (SR 175), and Lake Shore Boulevard (SR 283). The project included the upgrade of traffic signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, traffic controllers, vehicular and pedestrian detectors. The project also included the installation of a "closed loop" traffic responsive computer system and hard communication cable. A 6 pair shielded copper cable was specified for communication between master and local controllers.

This construction project was an efficiency project funded with a Federal grant under the CMAQ (Congestion Mitigation, Air Quality) program at a cost of \$2.9 million.

This project coordinated the timing of traffic signals along three (3) corridors to provide efficient traffic flows, reduce congestion and add to the improvement in air quality for the region. The computerized signal system measures traffic volumes, congestion and speeds and makes automatic commands to implement signal timing.