

Project: *City of Westlake, City Wide Signal Upgrade Project
CUY-20-0.00 (PID 14892)*

Owner: City of Westlake, Ohio

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City of Westlake
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Construction Value: \$2.9 million

Description: This project is the modernization and coordination of traffic signals at 41 intersections along the corridors of Center Ridge Road (US 20), Columbia Road (SR 252), Detroit Road (SR 254), Clague Road (CR 52), Center Ridge Road (CR 58), Hilliard Boulevard (CR 69) and other various locations. The project included the upgrade of traffic signal hardware including vehicular signal heads, mast arm signal supports, pedestrian signals, traffic controllers, vehicular detectors, pedestrian detectors and emergency vehicle preemption. The project also included the installation of a "closed loop" traffic responsive computer system and fiber optic communication cable. A 12 fiber multi-mode backbone 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 in seven (7) sub-areas 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.