

Project: *City of Steubenville, Traffic Signal Upgrade Project*
JEF-7/43-15.98/1.09 (PID 10962)

Owner: City of Steubenville, Ohio

Contact: Mr. David Snelting, P.E.
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City of Steubenville
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Construction Value: \$2.1 million

Description: This project was the modernization and coordination of traffic signals at 27 intersections along the corridors of Dean Martin Boulevard (SR 7) and Sunset Boulevard (SR 43). The project included the upgrade of traffic signal hardware including vehicular signal heads, signal strain pole supports, pedestrian signals, traffic controllers, vehicular and pedestrian detectors. 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 with Kevlar Braid protective armor was specified for communication between master and local controllers.

This construction project was an efficiency project funded with a Federal grant under the Urban M program at a cost of \$2.1 million.

This project coordinated the timing of traffic signals on two (2) arterial streets systems to provide efficient traffic flows and reduce congestion. The computerized signal system measures traffic volumes, congestion and speeds and makes automatic commands to implement signal timing.