

Project: *City of New Philadelphia, City Wide Signal Upgrade Project - Phase 2*

Owner: City of New Philadelphia, Ohio

Contact: Mr. James Zucal

Service Director

City of New Philadelphia

150 East High Avenue

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Construction Value: \$1.2 million

Description: The project includes the upgrade of six signalized intersections not upgraded under phase 1. The signals were interconnected using a spread-spectrum radio system in order to achieve coordinated timing between signals and to provide efficient traffic flows and reduce congestion. An on-street master computer was utilized to provide traffic responsive operation which measures traffic volumes, congestion and speeds and makes automatic commands to implement signal timing.

The work added new signals at two un-signalized locations that were warranted through the Ohio Manual of Uniform Traffic Control Devices. The work re-lamped signals with LED lenses at 1 existing signalized location. The project added emergency vehicle preemption to all previous locations (22 intersections) and the remaining locations not upgraded as part of phase 1 (8 locations). Finally the work includes furnishing and installing video detection at two existing high accident locations.

This construction project was a locally administered project funded with a State of Ohio grant under the Small City program at a cost of \$1.2 million.