

**Project:** *City of Ravenna, Honeywell Signal Design Project*

**Owner:** Path Master, Inc.

**Contact:** Mr. Randall Van Scoy  
Path Master, Inc.  
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**Construction Value:**

**Description:**

The project includes the upgrade of twenty three (23) signalized intersections split into two different phases. Phase 1 is defined by the design of sixteen signalized intersections falling within the city's Design-Build portion of the city-wide signal upgrade. Phase 2 is defined by the design of the remaining seven (7) intersections falling within the Design-Bid portion of the project.

All signals were interconnected by use of a spread-spectrum radio interconnect system. A remote central computer system is used to monitor the system by measuring traffic volumes, congestion, speeds, and also makes automatic commands to implement traffic responsive modes of signal operation.

After a completed signal warrant analysis under the guidelines of the Ohio Manual of Traffic Control Devices, non-warranted signals were removed. At the remaining intersections, the design entailed the installation of new mast arm supports, new LED vehicular signal heads and countdown type pedestrian signals, new NEMA type controllers and cabinets. The work also added new emergency vehicle preemption at all intersections, along with the installation of new video detection at all upgraded intersections.