

CITY OF PORTSMOUTH CITY-WIDE INTERSECTION/ SIGNALIZATION IMPROVEMENTS



Peverly Hill Road/Greenland Road



Congress Street/Middle Street/Islington Street



Congress Street/Fleet Street



Islington Street/Cabot Street

The City of Portsmouth was in need of upgraded signal equipment at numerous locations, future emergency vehicle preemption, full actuation to optimize operational efficiency, and savings on operational cost by increasing energy efficiency using LED lenses and new signal controllers.

Continued on other side



CITY OF PORTSMOUTH CITY-WIDE INTERSECTION/ SIGNALIZATION IMPROVEMENTS

CLIENT

City of Portsmouth
Public Works Department
700 Islington Street
Portsmouth, NH 03801
(603) 427-1530
Contact: Steven F. Parkinson

LOCATION

Portsmouth, New Hampshire

COST

Total Design/Build Contract: \$150,000

THE CHALLENGE

To address operational deficiencies at various locations and maintain the Downtown's historical character by using ornamental fixtures as requested by the City, CLD and Electric Light Company of Cape Neddick, Maine, suggested a Design/Build approach to expedite design and construction of improvements. To date, four City intersections have been completed:

- Peverly Hill Road/Greenland Road
- Congress Street/Middle Street/Islington Street
- Congress Street/Fleet Street
- Islington Street/Cabot Street.

THE RESULTS

CLD collected and analyzed traffic data at each of these locations to develop optimal signal timing and phasing, thus increasing the efficiency of each intersection.

CLD prepared design plans at each location and Electric Light Company completed the installation of equipment.

In some cases, City forces completed excavation and sidewalk repair, resulting in additional cost savings to the City.

In 2001, the CLD/Electric Light Company Design/Build team completed the design plans and installation of equipment to provide improved intersection operations within existing right-of-way at a low cost to the City.

The Peverly Hill Road project added exclusive-turn phases to an existing signal system. The Congress Street at Middle Street/Islington Street at Fleet Street replaced signal systems entirely and Cabot Street is a new signal location where only a partial signal previously existed.



CLD Consulting Engineers, Inc.

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