

City/Town:	Various	Contract No.:	
Location:	Various	Assignment No.:	
Bridge No.	N/A	BIN:	
Consultant:		Est. Constr. Cost:	
		Project Manager:	Lee Baronas, P.E. - Bureau of Traffic
		Project No.:	41756

PROJECT NARRATIVE

This project involves evaluating current operational parameters and developing and implementing optimized timing and phasing to improve overall performance at between 45 and 61 signalized intersections throughout New Hampshire including within Newport, Conway, Center Harbor, Meredith, Moultonborough, Ossipee, Tilton, Wakefield, Hooksett, Manchester, and Seabrook.

Phasing and timing improvements to each of the project's signalized intersections, most of which are grouped in corridors, will improve traffic flow, resulting in a reduction to delay and congestion, lowering of the associated vehicles idle time, and subsequently improvement to air quality.

The goal is to achieve optimal reductions in overall delay and congestion to vehicular traffic.

The development of the engineering study and implementation for this project is expected to include agency coordination, reviewing existing records, field inventory and data collection, field traffic observation, field data analysis, traffic modeling of existing conditions, traffic modeling of optimized signal timings, train with Department personnel, implement optimized signal timings, trouble call investigation, post-implementation field traffic observation, adjusting signal timing and modeling if identified as necessary, project team meetings, technical reports, and project management.

WORK ITEM	DESCRIPTION	STATUS
Traffic	a) Agency Coordination	
	b) Review Existing Records	
	c) Field Inventory and Data Collection	
	d) Field Traffic Observation During Peak Hours	
	e) Field Data Analysis	
	f) Traffic Modeling of Existing Conditions	
	g) Traffic Modeling of Optimized Signal Timings	
	h) Train with Department Personnel	
	i) Implement Optimized Signal Timings	
	j) Trouble Call Investigation	
	k) Post-Implementation Field Traffic Observation	
	l) Project Team Meetings	
	m) Technical Reports	
	n) Project Management	
Public Involvement	a) Support communicating timing changes	
	b) Support interpretation of public feedback	