



BOSTON REGION METROPOLITAN PLANNING ORGANIZATION

Richard A. Davey, MassDOT Secretary and CEO and MPO Chairman
Karl H. Quackenbush, Executive Director, MPO Staff

MEMORANDUM

DATE October 4, 2012
TO Boston Region Metropolitan Planning Organization
FROM Karl H. Quackenbush
CTPS Executive Director
RE Three Draft CTPS memoranda: “Safety and Operations Analyses at Selected Intersections, FFY 2012”

Action Required

Review and approval

Proposed Motion

That the Boston Region Metropolitan Planning Organization approve the three memoranda for the project “Safety and Operations Analyses at Selected Intersections, FFY 2012” in the form of the draft dated October 4, 2012.

Project Identification

Unified Planning Work Program Classification

Planning Studies

CTPS Project Number

13254

Client

Boston Region Metropolitan Planning Organization

CTPS Project Supervisors

Principal: Efi Pagitsas

Manager: Chen-Yuan Wang

Funding

MPO 3C Planning Contract #69965

MPO §5303 Contract #70172

Background

This study examined the safety and operations of three sets of intersections in the region, where, according to the MPO’s crash data system, many crashes occur. These locations are also congested during peak traffic periods. The resulting

bottlenecks can spill upstream and often into a few adjacent intersections along an arterial. Typically, improvements for these types of bottlenecks include traffic signal design optimization, new traffic signal equipment, signal coordination, signs and markings, and pedestrian and bicyclist accommodation, including Americans with Disability Act (ADA)–compliant elements.

Description of the Attached Memoranda

The attached three memoranda describe the existing conditions, problems, and recommendations for three sets of locations, one in each of the towns of Southborough, Wilmington, and Quincy. These were selected based on criteria that included safety, delay, and level of service, and input from MassDOT and the municipalities.

KQ/EP/ep

Enclosures, three memoranda:

1. "Safety and Operations Analyses at Selected Intersections, FFY 2012: Turnpike Road (Route 9) at Central Street/Oak Hill Road in Southborough"
2. "Safety and Operations Analyses at Selected Intersections, FFY 2012: Main Street (Route 38/129) at Church Street/Burlington Avenue (Route 62) in Wilmington"
3. "Safety and Operations Analyses at Selected Intersections, FFY 2012: Southern Artery (Route 3A) at Sea Street/Coddington Street and at McGrath Highway/Field Street in Quincy"