

Capitol Region Council of Governments

241 Main St., Hartford, CT 06106-5310
Phone: (860) 522-2217 FAX: (860) 724-1274

To: Policy Board
From: Jennifer Carrier, Director of Transportation Planning
Date: January 18, 2012
Subject: Congestion Mitigation and Air Quality (CMAQ) Improvement Programs – Project Rankings, detailed

In October, the Council of Governments invited municipalities to submit proposals for projects to be funded under the federal *Congestion Mitigation and Air Quality* (CMAQ) Program. The Connecticut Department of Transportation (ConnDOT) provided us with an opportunity to compete for a funding allocation of \$10 million (federal) statewide annually, with \$20 million (two years of funding) available through the current solicitation.

Seven municipalities submitted eight projects in response to this solicitation. ConnDOT has limited each planning region to the submittal of three prioritized proposals, with no guarantee that any region will receive a funded project. All projects submitted to ConnDOT must compete with all projects submitted statewide.

In order to submit the most competitive projects, CRCOG staff used criteria similar to that which will be used by ConnDOT to rank the eight projects. These criteria and their components are as follows:

Cost Effectiveness: 50 points

Emissions Benefits vs Cost

Emissions Benefits: used national standards and ConnDOT calculation methodology

Cost: used ConnDOT calculation methodology

Congestion Mitigation: 30 points

Points for improvement in “delay”, improvement in LOS and improvement in speed

Regional Significance: 10 points

Points for “regional significance”: support for regional facilities (economic development centers, employment centers, hospital, schools, freeways, etc.)

Commitment, Readiness: 10 points

Points for letter of commitment to operate & maintain (& local share if required),

readiness to advance project, and whether or not supplemental information was provided

The results of the staff review are detailed on the following page. It is our recommendation that the three highest rated projects be submitted to ConnDOT, prioritized as follows:

1. Redesign of I-84 and Park Road intersection in West Hartford,
2. Realign Griswold/House/Harris intersection in Glastonbury, and
3. Upgrade or replace 14 traffic signals in Hartford

We further recommend that the Capitol Region submit the innovative proposal for the installation of seven electric car charging stations in two municipalities as a “regional” application. This regional project will offer an opportunity for ConnDOT and the Department of Energy and Environmental Protection (DEEP) to work together on a project that crosses areas of expertise. In addition, the results of this project can be used as a pilot to evaluate a more widespread, even statewide, implementation in the future.

CMAQ Preliminary Ratings - FY2012 & FY2013

Applicant	Project Description	Total Cost	Federal Share	Cost Effectiveness	Congestion Mitigation	Regional Significance	Commitment, Readiness, Supp. Analysis	Overall Score	Staff Recommendation
				50 points	30 points	10 points	10 points		
West Hartford	Redesign the intersection of I-84 exit and Park, including relocating the I-84 Off Ramp, widen Park Rd, install a new traffic signal, add left turn lanes, modify existing traffic signal operation. STP-U funds also secured for this project (full cost of project \$4.2m)	\$1,700,000	\$1,360,000	45	30	6	8	89	Forward to ConnDOT to compete statewide
Glastonbury	Reconstruction/realignment of Griswold St and House/Harris St intersection; replace one signal, modify second. Sidewalks widened and pedestrian signals added	\$1,455,600	\$1,164,480	45	24	6	10	85	Forward to ConnDOT to compete statewide
Hartford	Upgrade and/or replace computerized traffic signal control system. Traffic signal replacement (8) or upgrade (6) at 14 intersections on Main St, Prospect / Market St & Columbus Blvd	\$3,000,000	\$3,000,000	50	18	8	8	84	Forward to ConnDOT to compete statewide
Bloomfield	Construct a bypass roadway for southbound traffic on Rt 187, connecting to Rt 218 & Douglas; install two new traffic signal and upgrade one	\$3,000,000	\$2,400,000	40	19	5	4	68	
Manchester	Add 10 traffic signals to the town's closed loop system: replace 7 signals; modify 3 signals; Middle Turnpike West and Middle Turnpike East	\$2,357,350	\$2,357,350	35	12	5	8	60	
Windsor	Adaptive traffic control signal system on Day Hill Road, encompassing 10 intersections.	\$900,000	\$900,000	30	13	7	10	60	
West Hartford	Replace traffic signals at 3 intersections: New Park @ Talcott, Quaker Lane South @ Flatbush, Flatbush & Oakwood, plus ancillary traffic signal equipment at 7 intersections (replace hardwire with radio communication system)	\$660,000	\$600,000	30	12	6	8	56	
Other / Regional: Alternate Fuel									
Canton / Manchester	Installation of 7 electric car charging stations in various locations throughout two municipalities.	\$50,000	\$40,000	Regional pilot project encompassing ConnDOT and DEEP interests				Forward to ConnDOT as a regional submittal <u>in addition to</u> submittal of 3 priority projects	