

GREATER BRIDGEPORT AND VALLEY METROPOLITAN PLANNING ORGANIZATION

Ansonia●Bridgeport●Derby●Easton●Fairfield●Monroe●Seymour●Shelton●Stratford●Trumbull

**Greater Bridgeport & Valley
Metropolitan Planning Organization**

**Electronic Vote Request
Wednesday, December 11, 2013**

I. ACTION ITEMS

- 1. Amendment: FFY 2012-2015 TIP/STIP, FHWA Programs, Resolution 2013-08 (Attachment A)
- 2. Endorsement: Air Quality Conformity Determination, Ozone and PM 2.5 Resolution 2013-09 (Attachment B)

Members are asked to provide their electronic vote by 5:00 PM, Wednesday, December 11, 2013.
To cast your ballots follow the directions below:

- 1. Click "Reply All" button to this email
- 2. Copy & Paste the following question into the body of the email:

"Should the GBVMPO adopt Resolutions 2013-08 & 2013-09 as presented in this December 11, 2013 E-Vote Request?"

- 3. Type "Yea", "Nay" or "Abstain" following the question.
- 4. Append your *name* and the *date* to your vote.
- 5. Click "Send" to cast your ballot.

In accordance with bylaw provisions and public participation procedures a notice of decision and copy of all meeting materials will be available at <http://www.gbrct.org/calendar/meetings-agendas/gbvmpo-meetings/>

Thank in advance for your attention to this request. If you have any questions or need additional information please do not hesitate to contact your respective region.

Brian Bidolli
Executive Director
GBRC

Rick Dunne
Executive Director
Valley Council of Governments

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Responsible Metropolitan Transportation Planning Agencies

GREATER BRIDGEPORT REGIONAL PLANNING AGENCY

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Attachment A

**Amendment:
FFY 2012 – 2015 Transportation
Improvement Program (TIP/STIP)**

**Federal Highway Administration
Projects**

Resolution 2013-08

AMENDMENT

FFY 2012-2015 STATE TRANSPORTATION IMPROVEMENT PROGRAM (TIP/STIP) FHWA PROGRAMS

The Connecticut Department of Transportation is requesting amendment of the FFY 2012-2015 State Transportation Improvement Program (STIP/TIP). The proposed amendments are needed to add new projects to be funded under several federal funding programs administered by the Federal Highway Administration.

The proposed amendments are as follows:

1. **Project #0015-0365: Traffic Signal System, 5 locations on Washington Avenue.** This project will replace antiquated traffic signal equipment at five intersections on Washington Avenue in the City of Bridgeport. The new equipment will interconnect to a time-based system.

Proposed Action: New Project
Fiscal Year: FFY 2014
Federal Aid Program: CMAQ
Phase: PD
Federal Share: \$140,000

Fiscal Year: FFY 2015
Federal Aid Program: CMAQ
Phase: ROW
Federal Share: \$80,000

Fiscal Year: FFY 2015
Federal Aid Program: CMAQ
Phase: FD
Federal Share: \$60,000

Fiscal Year: FFYI
Federal Aid Program: CMAQ
Phase: CON
Federal Share: \$1,220,000

2. **Project #0174-0380: Upgrade Signs.** This project will upgrade deficient and deteriorated signs along Route 8 from the Shelton-Derby town line to I-84 in Waterbury.

Proposed Action: New Project

Fiscal Year: FFY 2014
Federal Aid Program: NHPP
Phase: PD
Federal Share: \$108,000

Fiscal Year: FFY 2015
Federal Aid Program: NHPP
Phase: FD
Federal Share: \$812,000

Fiscal Year: FFY 2015
Federal Aid Program: NHPP
Phase: CON
Federal Share: \$4,000,000

3. **Project #0174-0381: Upgrade Signs**. This project will upgrade deficient and deteriorated signs along Route 8 from I-84 in Waterbury to Winchester.

Fiscal Year: FFY 2015
Federal Aid Program: NHPP
Phase: CON
Federal Share: \$4,000,000

4. **Project #0173-0441: Upgrade Signs**. This project will upgrade deficient and deteriorated signs along Route 8 from I-95 in Bridgeport to the Shelton-Derby town line.

Proposed Action: New Project
Fiscal Year: FFY 2014
Federal Aid Program: NHPP
Phase: PD
Federal Share: \$108,000

Fiscal Year: FFY 2015
Federal Aid Program: NHPP
Phase: FD
Federal Share: \$812,000

Fiscal Year: FFY 2015
Federal Aid Program: NHPP
Phase: CON
Federal Share: \$4,000,000

MPO Action: The proposed amendments are consistent with the long range transportation of the Greater Bridgeport Regional Council and the Valley Council of Governments and conform to

the air quality objectives. The proposed schedule, programming and funding adjustments will maintain a financially constrained TIP/STIP. It is recommended that the MPO endorse the proposed amendment to the FFY 2012-2015 TIP/STIP as described above and listed in the attached table.

AMENDMENTS
FFY 2012 - 2015 TIP/STIP

Region	FACode	Proj#	Rte/Sys	Town	Description	Phase	Year	Total (\$000)	Federal (\$000)	State (\$000)	Local (\$000)	Comments
05,06	NHPP	0174-0380	Route 8	District 4	Upgrade signing on Route 8 from Shelton to I-84 in Waterbury	PD	2014	135	108	27	0	New Project
05,06	NHPP	0174-0380	Route 8	District 4	Upgrade signing on Route 8 from Shelton to I-84 in Waterbury	FD	2015	15	12	3	0	New Project
05,06	NHPP	0174-0380	Route 8	District 4	Upgrade signing on Route 8 from Shelton to I-84 in Waterbury	CON	2015	5,000	4,000	1,000	0	New Project
05,06	NHPP	0174-0381	Route 8	District 4	Upgrade signing on Route 8 from I-84 in Waterbury to Winchester	CON	2015	5,000	4,000	1,000	0	New Project
06,07	NHPP	0173-0441	Route 8	District 3	Upgrade signing on Route 8 from I95 in Bridgeport through Shelton	PD	2014	135	108	27	0	New Project
06,07	NHPP	0173-0441	Route 8	District 3	Upgrade signing on Route 8 from I95 in Bridgeport through Shelton	FD	2016	15	12	3	0	New Project
06,07	NHPP	0173-0441	Route 8	District 3	Upgrade signing on Route 8 from I95 in Bridgeport through Shelton	CON	2016	5,000	4,000	1,000	0	New Project
07	CMAQ	0015-0365	Washington Avenue	Bridgeport	Replace traffic signal equipment at five locations on Washington Avenue in Bridgeport	PD	2014	140	140	0	0	New Project
07	CMAQ	0015-0365	Washington Avenue	Bridgeport	Replace traffic signal equipment at five locations on Washington Avenue in Bridgeport	FD	2015	60	60	0	0	New Project
07	CMAQ	0015-0365	Washington Avenue	Bridgeport	Replace traffic signal equipment at five locations on Washington Avenue in Bridgeport	ROW	2015	80	80	0	0	New Project
07	CMAQ	0015-0365	Washington Avenue	Bridgeport	Replace traffic signal equipment at five locations on Washington Avenue in Bridgeport	CON	FFYI	1,220	1,220	0	0	New Project

GREATER BRIDGEPORT AND VALLEY METROPOLITAN PLANNING ORGANIZATION

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RESOLUTION 2013-08

AMENDMENT

FFY 2012-2015 TRANSPORTATION IMPROVEMENT PROGRAM FHWA PROGRAMS

WHEREAS, the Greater Bridgeport and Valley Metropolitan Planning Organization (MPO) is authorized by the *Moving Ahead for Progress in the 21st Century (MAP-21)* and related US Department of Transportation regulations to prepare, endorse; and periodically amend a short range Transportation Improvement Program for the 10-town MPO area within the Bridgeport-Stamford Urbanized Area;

WHEREAS, the MPO endorsed the *FFY 2012-2015 Transportation Improvement Program for the Greater Bridgeport and Valley Planning Regions (TIP)* at its October 27, 2009, meeting; and the US Department of Transportation (Federal Highway Administration and Federal Transit Administration) have approved the *State FFY 2012-2015 Transportation Improvement Program (STIP)*;

WHEREAS, the *MAP-21* allocates funds to the State of Connecticut under various federal transportation assistance programs administered by the Federal Highway Administration;

WHEREAS, the *MAP-21* planning guidelines require the *TIP/STIP* to be fiscally constrained to available program funds;

WHEREAS, the Connecticut Department of Transportation is requesting amendments to the *TIP/STIP* to add program funding under the new *National Highway Performance Program (NHPP)* and add new projects under the CMAQ program;

WHEREAS, these amendments represent minor modifications of the *TIP/STIP* and involve projects that are exempt from the regional emissions analyses and do not necessitate a new air quality analysis;

WHEREAS, the public notification and review of these proposed amendments was consistent with and followed the procedures set forth in the MPO's *Public Participation Program Handbook*, as amended, and the proposed amendments are consistent with the goals and objectives of the long-range transportation plans of the Greater Bridgeport and Valley Planning Regions.

Responsible Metropolitan Transportation Planning Agencies

GREATER BRIDGEPORT REGIONAL PLANNING AGENCY

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NOW, THEREFORE BE IT RESOLVED that the Greater Bridgeport and Valley MPO endorses the amendment of the *FFY 2012-2015 Transportation Improvement Program* to include the projects as described and listed in the attachment to this resolution.

This resolution shall become effective as of December 11, 2013.

We, the undersigned co-secretaries of Greater Bridgeport and Valley Metropolitan Planning Organization (MPO), Connecticut, do hereby certify that the resolution adopted by the MPO via an electronic vote in accordance with the GBVMPO bylaws.

Respectfully submitted,

Brian Bidolli, Executive Director
GBRPA – MPO Co-Secretary

Richard T. Dunne, Executive Director
VCOG – MPO Co-Secretary

Date:

Attachment B

Regional Air Quality Conformity Determination Ozone and PM2.5

Resolution 2013-09

Background

On March 12, 2008, (73 FR 16436) the EPA revised the primary national ambient air quality standards (NAAQS) for ozone, designed to protect public health, to a level of 0.075 parts per million (ppm). The secondary NAAQS for ozone, designed to protect public welfare, was simultaneously set at the same level (and with the same averaging time) as the primary NAAQS.

EPA working with the State of Connecticut and Indian Tribes established air quality designations for the state of Connecticut, including areas of Indian country, for the 2008 primary and secondary NAAQS for ozone on May 21, 2012 (77 FR 30088; effective July 20, 2012). Two areas consistent with the boundaries and areas of the 1997 eight-hour ozone nonattainment areas were classified marginal nonattainment covering the entire State. The “Greater Connecticut, CT 2008 eight hour ozone nonattainment area” includes: Hartford County; Litchfield County; New London County; Tolland County; Windham County; Mashantucket Pequot Tribe of Connecticut; and Mohegan Indian Tribe of Connecticut. The “New York-Northern New Jersey-Long Island, NY-NJ-CT 2008 eight hour ozone nonattainment area” includes: Fairfield County; Middlesex County; and New Haven County. On December 14, 2009, the EPA’s final rules designating the NY-NJ-CT PM2.5 Nonattainment Area became effective. The Connecticut portion includes Fairfield and New Haven Counties.

Transportation conformity is required under CAA section 176(c) to ensure that transportation plans, transportation improvement programs (TIPs) and federally supported highway and transit projects are consistent with (“conform to”) the purpose of the SIP. Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or interim reductions and milestones. Transportation conformity applies to areas that are designated nonattainment, and to those former nonattainment areas that have been redesignated to attainment since 1990 and have a Clean Air Act section 175A maintenance plan (“maintenance areas”) for transportation-related criteria pollutants: Carbon monoxide, ozone, nitrogen dioxide, and particulate matter. The EPA’s Transportation Conformity Rule (40 CFR 51.390 and Part 93, subpart A) establishes the criteria and procedures for determining whether transportation activities conform to the SIP.

Transportation conformity is determined through the calculation of emissions produced by the state’s transportation network and comparison of EPA approved emissions budgets. The statewide transportation model is operated by the Connecticut Department of Transportation and the Connecticut Department of Energy and Environmental Protection uses the new MOVES2010b emissions model to estimate the amount of Ozone produced by the transportation system.

The attainment date for 2008 eight-hour ozone nonattainment areas classified as

marginal is December 31, 2015.

Areas designated nonattainment for the 2008 ozone NAAQS that have adequate or approved SIP budgets for the 1997 ozone NAAQS as is the case with Greater Connecticut and New York-Northern New Jersey-Long Island, NY-NJ-CT must continue to use such budgets in transportation conformity determinations until budgets for the 2008 ozone NAAQS are found adequate or are approved. The new Air Quality Conformity Determination is required to include the following non-exempt projects into the transportation network:

- Hartford Intermodal Triangle
- Extension of Edison Road in Orange.

The results of the modeling process demonstrated future emissions from the transportation system will be less than approved budgets for each of the criteria pollutants.

**GREATER BRIDGEPORT AND VALLEY REGIONAL TRANSPORTATION
IMPROVEMENT PROGRAM: FFY 2012 ~ 2015 & LONG RANGE TRANSPORTATION
PLANS
REGIONAL EMISSIONS ANALYSES RESULTS**

**8-HOUR OZONE NAAQS
CONNECTICUT PORTION NY-NJ-LI AREA**

Analysis Years	VOC Emission Analysis			NO _x Emission Analysis		
	Action	SIP Budge	Difference	Action	SIP Budge	Difference
2015 Emissions	23.14	27.40	-4.26	42.55	54.60	-12.05
2025 Emissions	14.92	27.40	-12.48	22.09	54.60	-32.51
2035 Emissions	12.74	27.40	-14.66	19.26	54.60	-35.34
2040 Emissions	8.99	27.40	-18.41	3.16	54.60	-51.44

Notes:

1. A small reduction in VMT and emissions in the Greater Connecticut area will occur from the ECO program in the Connecticut portion of the NY-NJ-LI area due to travel between the areas.
2. VOC & NO_x emissions are in tons per day and are calculated using Connecticut's vehicle mix.
3. HMPS 14 Functional Class system used.
4. National Low Emission Vehicle (NLEV) program included in 2008 and future years.
5. Eight Hour Ozone emission budgets effective June 27, 2008.

6. Series 30B model run with 20 iteration equilibrium assignment.
7. Year 2015 emissions based Series 30B.

GREATER BRIDGEPORT & VALLEY REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM: FFY 2012 ~ 2015 & LONG RANGE TRANSPORTATION PLANS REGIONAL EMISSIONS ANALYSES RESULTS

FINE PARTICULATE MATTER ANNUAL NAAQS FOR THE CT PORTION OF THE NY-NJ-CT PM_{2.5} NON-ATTAINMENT AREA

Direct PM_{2.5} Emissions Test Results Tons per Year No Greater than EPA Approved

	2017 Budget	2017	2025 Budget	2025	2035	2040
TOTALS:	575.8	458.7	516.0	354.1	353.1	365.3
Conclusion		Pass		Pass	Pass	Pass

NOx (PM_{2.5} Precursor) Interim Emissions Test (Annual Tons) No Greater than EPA Approved Budgets

TOTALS:	12,791.8	10,520.1	9,728.1	6,671.3	5,859.9	5,985.9
Conclusion		PASS		PASS	PASS	PASS

Notes:

1. A small reduction in VMT and emissions will occur from the ECO program.
2. Based on air quality modeling that represents two seasons – SUMMER and WINTER.
3. NOx emissions are in tons per year and are calculated using Connecticut's vehicle mix.
4. HMPS 14 Functional Class system used.
5. Series 30B run with 20 iteration equilibrium assignment

RESOLUTION 2013-09

**Air Quality Conformity Determination
Eight Hour Ozone and PM_{2.5}
National Ambient Air Quality Standards**

WHEREAS, the Greater Bridgeport and Valley MPO is required to submit an Air Quality Conformity Statement to the US Federal Highway Administration (FHWA) and to the US Environmental Protection Agency (EPA) in accordance with the final conformity rule promulgated by EPA (40 CFR 51 and 93) when adopting or amending the Transportation Improvement Program or when effecting a significant revision of the Region's Transportation Plan; and

WHEREAS, Title 42, Section 7506 (3) (A) states that conformity of transportation plans and programs will be demonstrated if:

1. the plans and programs are consistent with recent estimates of mobile source emissions;
2. the plans and programs provide for the expeditious implementation of certain transportation control measures;
3. the plans and programs contribute to annual emissions reductions consistent with the Clean Air Act of 1977, as amended; and

WHEREAS, Transportation conformity is required under CAA section 176(c) to ensure that transportation plans, transportation improvement programs (TIPs) and federally supported highway and transit projects are consistent with ("conform to") the purpose of the SIP. Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or interim reductions and milestones.

WHEREAS, Transportation conformity applies to areas that are designated nonattainment, and to those former nonattainment areas that have been redesignated to attainment since 1990 and have a Clean Air Act section 175A maintenance plan ("maintenance areas") for transportation-related criteria pollutants: Carbon monoxide, ozone, nitrogen dioxide, and particulate matter. The EPA's Transportation Conformity Rule (40 CFR 51.390 and Part 93, subpart A) establishes the criteria and procedures for determining whether transportation activities conform to the SIP.

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WHEREAS, Transportation conformity is determined through the calculation of emissions produced by the state's transportation network and comparison of EPA approved emissions budgets. The statewide transportation model is operated by the Connecticut Department of Transportation and the Connecticut Department of Energy and Environmental Protection uses the new MOVES2010b emissions model to estimate the amount of Ozone produced by the transportation system.

WHEREAS, The attainment date for 2008 eight-hour ozone nonattainment areas classified as marginal is December 31, 2015.

WHEREAS, Areas designated nonattainment for the 2008 ozone NAAQS that have adequate or approved SIP budgets for the 1997 ozone NAAQS as is the case with Greater Connecticut and New York-Northern New Jersey-Long Island, NY-NJ-CT must continue to use such budgets in transportation conformity determinations until budgets for the 2008 ozone NAAQS are found adequate or are approved. The new Air Quality Conformity Determination is required to include the following non-exempt projects into the transportation network:

- Hartford Intermodal Triangle
- Extension of Edison Road in Orange.

WHEREAS, The results of the modeling process demonstrated future emissions from the transportation system will be less than approved budgets for each of the criteria pollutants

NOW, THEREFORE BE IT RESOLVED that the Greater Bridgeport and Valley MPO endorses the Air Quality Conformity Determination for Ozone and PM_{2.5} to include the projects as listed in this resolution.

This resolution shall become effective as of December 11, 2013.

We, the undersigned co-secretaries of Greater Bridgeport and Valley Metropolitan Planning Organization (MPO), Connecticut, do hereby certify that the resolution adopted by the MPO via an electronic vote in accordance with the GBVMPO bylaws.

Respectfully submitted,

Brian Bidolli, Executive Director
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