

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION



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Phone:

March 2, 2011

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TO: Regional Planning Organization (RPO) Directors

FROM: Maribeth C. Wojenski *Maribeth Wojenski*  
Transportation Assistant Planning Director  
Bureau of Policy and Planning

SUBJECT: Highway Performance Monitoring System (HPMS) Data Collection

As discussed at the February 22, 2011 RPO Teleconference, the Department of Transportation (Department) is requesting the RPOs coordinate the HPMS data collection on pavement and traffic information needed from individual municipal roads. Attached, please find the following documents: an Excel spreadsheet containing the municipal road sections for which data is needed (this spreadsheet contains individual worksheets for each of the RPOs); a PDF excerpt from the HPMS field manual detailing the required fields; and a Word document containing instructions and detailing the need for data.

Please e-mail the requested information to Mr. Facundo Dominguez, HPMS Coordinator, at [Facundo.Dominguez@CT.gov](mailto:Facundo.Dominguez@CT.gov) by April 29, 2011 in order to meet the HPMS submittal deadline.

I would like to thank each RPO in advance for coordinating this effort with each municipality that has identified road sections.

If you have any questions regarding this request, please contact Mr. Edgardo Block of Pavement Management at 860-594-2495, or Mr. Dominguez, at 860-594-2113.

Attachments

## INSTRUCTIONS

Title 23 Code of Federal Regulation (CFR) Part 460.3 requires that each State must annually submit a certification of public road mileage within the State to the Federal Highway Administration (FHWA) Division Administrator along with the state annual Highway Performance Monitoring System (HPMS) submission. HPMS is the official Federal government source of data on the extent, condition, performance, use, and operating characteristics of the nation's highways. Appropriation of Federal Funds is based on the HPMS annual submission. HPMS has undergone a complete modification for this year's submission which will require more pavement and traffic information data on randomly chosen sections of State and Town-maintained sections of roads. The Connecticut Department of Transportation (Department) is requesting that the Regional Planning Organizations (RPOs) coordinate with each municipality on the reporting requirements for the ten data items needed for the roadway sections that fall into their jurisdictions.

The Connecticut HPMS database contains town-maintained HPMS sample sections in fourteen out of the fifteen RPOs. There are no town-maintained HPMS sample sections in the Northwestern Connecticut Council of Governments (NWCCOG) and therefore, **NWCCOG does not need to reply**. All town-maintained sections are on roads classified as Rural Major Collector, or Urban Collector and above and are Federal-Aid roadways. The attached Excel file contains all 747 town-maintained HPMS sections with a separate spreadsheet for each RPO. The Department needs to gather data on eight pavement items and two traffic items for these HPMS sections. Notes and directions for completing these columns are included in the bottom section of each RPO spreadsheet and as a stand along spreadsheet at the end of the excel file for printing purposes. Columns shaded in gray in the Excel spreadsheet are for the municipalities' informational purposes only.

### **Surface Type**

This data was requested under the old HPMS form, but coding has been updated. This column will need to be completed by the municipality using the codes provided.

### **Signal Type**

This data was requested under the old HPMS form. **Information is needed for urban roadway sections only**. If the roadway section is rural, please leave blank. Previous information has been included in the excel sheet. Municipalities should review information and change as necessary. If the roadway section intersects a state road, the data shown has been collected by the Office of Traffic. For the municipalities' information, in the HPMS section, the Department counts the intersection at the beginning of the section, or at the beginning milepoint, but not at the ending milepoint. Therefore, there might be a signal at the ending milepoint of the section, but that would not be counted in the HPMS section.

### **Percent Green Time**

This data was requested under the old HPMS form. **Information is needed for urban roadway sections only**. If the roadway section is rural, please leave blank. Previous

information has been included in the excel sheet. Municipalities should review information and change as necessary. If the roadway section intersects a state road, the data shown has been collected by the Office of Traffic.

**Year Last Improved**

This data was requested under the old HPMS form and was the only item that the municipalities have provided information for in the past. Previous information has been included in the excel sheet if data was available. Municipalities should review information and change as necessary or add information if blank.

**Year Last Constructed**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

**Last Overlay Thickness**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

**Thickness Rigid**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

**Thickness Flexible**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

**Base Type**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

**Base Thickness**

This data is a new item included in the updated HPMS annual submission. Municipalities need to provide data.

Attached, please find a PDF file of sections of the new HPMS Field Manual that deal more in depth with the ten items the Department is requesting information. The first three pages of this file deals with the calculation method for each data item. There are two calculation methods used for the ten items. The predominance method is where the reported value is based on the most prevalent value within the limits of the section. This method is used for Signal Type, Surface Type, Year of Last Improvement, Year of Last Construction and Base Type. The weighted averaging method is where the reported value is based on the averaging of values within the limits of the section, weighted by the length of the sub-section for each value. This method is used for Percent Green Time, Last Overlay Thickness, Thickness Rigid, Thickness Flexible, Last Overlay Thickness, and Base Thickness.

All data sections need to be returned to the Department by April 29, 2011. The completed spreadsheets should be e-mailed to Mr. Facundo Dominguez at [Facundo.Dominguez@CT.gov](mailto:Facundo.Dominguez@CT.gov). If you have any questions regarding this request, please contact Mr. Edgardo Block of Pavement Management at 860-594-2495, or Mr. Dominguez, at 860-594-2113.

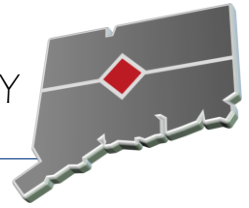
# CENTRAL CONNECTICUT REGIONAL PLANNING AGENCY

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## MEMORANDUM

**TO:** Transportation Improvement Committee (TIC)  
**FROM:** Ethan C. Abeles, Transportation Planner

**DATE:** May 16, 2011

**FOR AGENDA:** May 26, 2011

**SUBJECT:** STIP/TIP amendments for new Statewide Projects 170-3065 and 170-3066.

The descriptions of these proposed STIP/TIP amendments are as follows:

- **Project 170-3065 and 170-3066:** The purpose of these projects is to replace or repair overhead sign supports due to deterioration and/or exceeding the useful life of sign structure. Estimates are preliminary for FY2013 for 170-3065 and FY2014 for 170-3066. These projects are for NHS routes including those in our Region. The PE phase for project 170-3065 costs \$200,000 in 2011 and the construction phase is \$2,000,000 in 2013. The PE phase for project 170-3066 costs \$200,000 in 2012 and the construction phase is \$2,000,000 in FYI.

These statewide projects ensure a continued commitment to safety and system preservation, which are both strongly supported by CCRPA.

On that basis, it is my RECOMMENDATION

That your Committee

Recommend that the Agency Board approve these proposed ConnDOT STIP/TIP amendments

cc: Agency Board

**Project 170-3065**

Region	FACode	Proj#	AQCd	Rte/Sys	Town	Description	Phase	Year	Tot\$ (000)	Fed\$ (000)	Sta\$ (000)	Loc\$ (000)	Comments	code for change
70	NHS	0170-3065	X6	VARIOUS	STATE WIDE	REPAIR OR REPLACE DETERIORATED OVERHEAD SIGN SUPPORTS ON NHS ROUTES (CN FY13)	PE	2011	200	160	40	0	NEW PROJECT	05
70	NHS	0170-3065	X6	VARIOUS	STATE WIDE	REPAIR OR REPLACE DETERIORATED OVERHEAD SIGN SUPPORTS ON NHS ROUTES (FY13)	CON	2013	2,000	1,600	400	0	NEW PROJECT	05

<b>Project Description (short):</b>	Sign Support Replacements
<b>Project Description (long):</b>	The purpose of this project is to replace or repair overhead sign supports (statewide). <i>NHS ROUTES, PE FY11, CN FY13</i>

<b>Justification:</b>	The purpose of this project is to replace or repair overhead sign supports due to deterioration and/or exceeding the useful life of the sign structure. Estimates are preliminary for FY2012 and actual locations to be determined based on a priority list from Bridge Safety.
<b>Project Manager:</b> Michael Lalone	<i>ESTIS V. PLATTICO (SEE ATTACHED)</i> <i>Needs Statewide STIP amendment</i>
<b>Project Engineer:</b> James Massini	

**Project 170-3066**

Region	FACode	Proj#	AQCd	Rte/Sys	Town	Description	Phase	Year	Tot\$ (000)	Fed\$ (000)	Sta\$ (000)	Loc\$ (000)	Comments	code for change
70	NHS	0170-3066	X6	VARIOUS	STATE WIDE	REPAIR OR REPLACE DETERIORATED OVERHEAD SIGN SUPPORTS ON NHS ROUTES (CN FY14)	PE	2013	200	160	40	0	NEW PROJECT	05
70	NHS	0170-3066	X6	VARIOUS	STATE WIDE	REPAIR OR REPLACE DETERIORATED OVERHEAD SIGN SUPPORTS ON NHS ROUTES (FY14)	CON	FY1	2,000	1,600	400	0	NEW PROJECT	05

<b>Project Description (short):</b>	Sign Support Replacements
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<b>Project Manager:</b> Michael Lalone	<i>RECEIVED</i> <i>MAR 15 2011</i> <i>Needs Statewide STIP amendment</i>
<b>Project Engineer:</b> James Massini	