

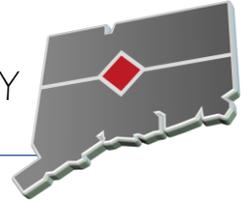
# CENTRAL CONNECTICUT REGIONAL PLANNING AGENCY

*Serving Berlin, Bristol, Burlington, New Britain, Plainville, Plymouth, and Southington*

225 North Main Street, Suite 304  
Bristol, CT 06010-4993

Internet: <http://ccrpa.org>  
Fax/TDD: (860) 589-6950

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or (860) 224-9888



## MEMORANDUM

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

**DATE:** September 22, 2011

**FOR AGENDA:** September 29, 2011

**SUBJECT:** STIP/TIP amendments for new Statewide Project 170-3009, new Plymouth Project 110-130, and Cromwell/Berlin Project 33-128.

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

- **Project 170-3009:** This statewide project involves phase 2 of the scheduled traffic signal LED relamping in Districts 3 & 4. Burlington and Plymouth are both located in District 4, and will be affected by this project. The LED signal display brightness must meet the latest industry requirements and standards, and are reaching the end of their useful lifespan. This is the Phase 2 breakout of the project. The project is 80% Federal and 20% State and the construction phase is slated for 2012 for a total of \$4,571,000.
- **Project 110-130:** This project in the Town of Plymouth will rehabilitate Bridge 00471 on U.S. Route 6 that spans the Pequabuck River under the Systematic Maintenance program. The deck is rated a '4' or 'POOR,' which indicates advanced section loss, deterioration, spalling or scour, and is in need of major rehabilitation. FY 2012 includes the ROW phase of the project, costing \$25,000, 80 percent of which is federally funded. It is funded under the STP-Anywhere program administered by CT-DOT.
- **Project 33-128:** This project in the Towns of Cromwell and Berlin provides the construction phase for the Route 9 pavement preservation work in 2012. The purpose of the pavement preservation program is to enhance pavement performance by using cost-effective treatments to extend the service life of existing pavements. The total cost of the construction phase is \$6,700,000, funded at a level of 80 percent Federal and 20 percent State. It is funded under the STP-Anywhere program administered by CT-DOT.

These projects ensure a continued commitment to safety and system preservation within our region, 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 170-3009**

<u>Region</u>	<u>FACode</u>	<u>Proj#</u>	<u>AQCd</u>	<u>Rte/Sys</u>	<u>Town</u>	<u>Description</u>	<u>Phase</u>	<u>Year</u>	<u>Tot\$(000)</u>	<u>Fed\$(000)</u>	<u>Sta\$(000)</u>	<u>Loc\$(000)</u>	<u>Comments</u>	<u>code for change</u>
70	STPA	0170-3009	X6	VARIOUS	STATEWIDE	LED RELAMPING, TRAFFIC SIGNALS (PHASE 2- DISTRICTS 3 & 4)	CON	2012	4,571	3,657	914	0	NEW PROJECT	05

<b>Project Description (short):</b> 23 (30 Characters)	Traf Sig Relamp (Ph 2)
<b>Project Description (long):</b> 88 (254 Characters)	<b>Scheduled Traffic Signal LED Relamping Program, Phase 2 to include Districts 3 &amp; 4 only.</b>

<b>Justification:</b> 441 (1333 Characters)	Modification needed to decrease construction cost for P/N 170-3009 CN due to Phase 1 breakout P/N 170-3084 CN. Total construction costs for Phase 1 and Phase 2 construction has increased by \$474,000. The estimate for P/N 170-3009CN Phase 2 LED Relamping in District 3 & 4 is \$4,571,000 scheduled for FDP in FY2012. Design of Phase 1&2 are being accomplished under P/N 170-3009PE. Funding will be PE 100% State FIF-Road & CN 80/20 Fed EBS.
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**Project 110-130**

<u>Region</u>	<u>FACode</u>	<u>Proj#</u>	<u>AQCd</u>	<u>Rte/Sys</u>	<u>Town</u>	<u>Description</u>	<u>Phase</u>	<u>Year</u>	<u>Tot\$(000)</u>	<u>Fed\$(000)</u>	<u>Sta\$(000)</u>	<u>Loc\$(000)</u>	<u>Comments</u>	<u>code for change</u>
9	STPA	0110-0130	X6	US 6	PLYMOUTH	REHAB BR 00471 O/ PEQUABUCK RV	ROW	2012	25	20	5	0	NEW PROJECT	05

<b>Project Description (short):</b> 25 (30 Characters)	PLYMOUTH: REHAB BR #00471
<b>Project Description (long):</b> 75 (254 Characters)	Rehabilitation of Bridge 00471, U.S. Route 6 over Pequabuck River, Plymouth

<b>Justification:</b> 250 (1333 Characters)	Construction modification No. 1 presents the cost estimate to rehabilitate Bridge 00471 under the List 15-18 program. The deck is rated a "4". The anticipated project cost is \$1,771,250. The PE estimate was previously uploaded from PCMS into CORE.
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**Project 33-128**

Region	FACode	Proj#	AQCd	Rte/Sys	Town	Description	Phase	Year	Tot\$(000)	Fed\$(000)	Sta\$(000)	Loc\$(000)	Comments	code for change
9, 11	STPA	0033-0128	X6	CT 9	CROMWELL/BERLIN	PAVEMENT PRESERVATION - FY12 (MP (NB)27.598-34.502 (SB)34.454-27.608)	CON	2012	6,700	5,360	1,340	0	NEW PROJECT	05

<b>Project Description (short):</b> 27 (30 Characters)	RTE 9 Pavement Preservation
<b>Project Description (long):</b> 240 (254 Characters)	Mill and place approx. 2.5" of polymer modified HMA overlay on Route 9 NB from MP27.598 to MP34.502 and SB, from MP34.454 to MP27.608 in the towns of Cromwell and Berlin. The design of this project is performed under Project No. 170-3054.

<b>Justification:</b> 483 (333 Characters)	<b>This project provides the construction phase for the Route 9 pavement preservation work in 2012. The purpose of the pavement preservation program is to enhance pavement performance by using cost-effective treatments to extend the service life of existing pavements. Safety improvements are not incorporated into this project, however, safety assessments will be conducted for this section of roadway during the design phase and addressed accordingly when funding becomes available.</b>
Project Manager: Scott Bushee	
Project Engineer: Todd A. Ingarra	

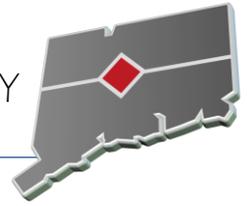
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## MEMORANDUM

**TO:** Transportation Improvement Committee (TIC)

**FROM:** Ethan C. Abeles, Transportation Planner

**DATE:** September 22, 2011

**FOR AGENDA:** September 29, 2011

**SUBJECT:** Local share for transit enhancement funds

FTA is reviewing CCRPA's application for Transit Enhancement funds. As presented and discussed at TIC meetings on 11/18/2010 and 4/28/2011, CCRPA submitted an application for the region to install signs at each of the 54 time points on all bus routes in the Bristol/New Britain divisions of CT TRANSIT. The signs are planned to include the CT TRANSIT logo, the routes serving the stop, and a map/timetable for that stop. There are 54 time points in the region. Installation of signs will bring a high degree of visibility and user-friendliness to what is currently an 'invisible' transit system.

The total cost of the project is \$24,000. This includes signs, mounting hardware, and installation. The federal share of this is 80%. The municipalities would be required to pick up the local share. The table below shows the total project cost and local share per town. Due to Cromwell and Meriden only having one stop each, CCRPA recommends redistributing the \$160 local share that those towns would foot to the six other municipalities involved. CCRPA staff will contact Farmington and Newington to arrange for their local shares.

Municipality	# of locations	Total cost	Local share	Recalculated
New Britain	24	\$9,600	\$1,920	\$1,946.67
Bristol	10	\$4,000	\$800	\$826.67
Farmington	7	\$2,800	\$560	\$586.67
Newington	6	\$2,400	\$480	\$506.67
Plainville	3	\$1,200	\$240	\$266.67
Berlin	2	\$800	\$160	\$186.67
Meriden	1	\$400	\$80	
Cromwell	1	\$400	\$80	
Undecided	6	\$2,400	\$480	\$480
<b>Grand Total</b>	<b>54</b>	<b>\$24,000</b>	<b>\$4,800</b>	<b>\$4,800</b>

CCRPA will work with the municipalities, bus operators, and CT TRANSIT to select optimal positioning of signage at each time point, as well as at up to six additional locations (potential new time points). It is expected that the grant will be awarded in the near future, so there will be a need to make the local share available at some point during the coming federal fiscal year.

Support for local funding of these transit enhancements will make the existing transit system in our region a more user-friendly and visible service, which are both strongly supported by CCRPA.

On that basis, it is my RECOMMENDATION

That your Committee

Recommend that the municipalities in the region listed above finance the local share of the sign costs.

# STP-Urban Program

## Central Connecticut Regional Planning Agency

PROJECT	TOWN	DESCRIPTION	PHASE	TOTAL \$ (000)	FEDERAL \$ (000)	STATE \$ (000)	LOCAL \$ (000)
0007-0185	BERLIN	REPLACEMENT OF BRIDGE NO. 4474 - FARMINGTON AVE. OVER MATTABESSET RIVER	PE	485	388	49	49
0017-0174	BRISTOL	MAJOR INTERSECTION IMPROVEMENT AT SOUTH ST UNION ST & CHURCH ST.	ROW	550	440	55	55
0017-0184	BRISTOL	RECONSTRUCTION AND NORMALIZATION OF INT. WITH MALBY STREET,SUPPLEMENT FOR ARRA.	CON	635	508	64	64
0088-0172	NEW BRITAIN	PEDESTRIAN SAFETY IMPROVEMENTS	CON	320	256	64	0
0110-0129	PLYMOUTH	REALIGN & RECONSTRUCT SOUTH MAIN ST TO SOFTEN A 90 DEGREE CURVE.	CON	2,100	1,680	420	0

## STP-Urban Program Projects (2011-2015)

PROJECT	TOWN	DESCRIPTION	PHASE	TOTAL \$	FEDERAL \$	Scheduled Obligation	Advertising
<b>FFY 2011 (Federal = \$2,740,853)</b>							
63-664		STPH PROGRAM SCOPING	OTH	41,667	33,333	12/8/10	1/26/11
88-172	NEW BRITAIN	PEDESTRIAN SAFETY IMPROVEMENTS	CON	234,400	187,520	4/6/11	
88-174	NEW BRITAIN	RECONSTRUCTION OF BEAVER STREET	CON	3,150,000	2,520,000	9/7/11	9/14/11
<b>FFY 2012 (Federal = \$4,974,933)</b>							
63-664		STPH PROGRAM SCOPING	OTH	41,667	33,333	11/23/11	
17-174	BRISTOL	MAJOR INTERSECTION IMPROVEMENT AT SOUTH ST UNION ST & CHURCH ST.	CON	2,132,000	1,705,600	6/20/12	6/27/12
131-198	SOUTHINGTON	RECONSTRUCTION OF MOUNT VERNON ROAD.	CON	4,045,000	3,236,000	9/5/12	9/12/12
<b>FFY 2014 (Federal = \$2,572,800)</b>							
07-185	BERLIN	REPLACEMENT OF BRIDGE NO. 4474 - FARMINGTON AVE. OVER MATTABESSET RIVER	CON	3,156,000	2,524,800	1/8/14	1/15/14
0017-0171	BRISTOL	MAJOR INTERSECTION IMPROVEMENT	ROW	60,000	48,000	TBD	TBD
<b>FFY 2015 (Federal = \$2,500,000)</b>							
17-171	BRISTOL	MAJOR INTERSECTION IMPROVEMENT	CON	3,125,000	2,500,000	TBD	TBD
<b>Program Total = \$12,788,586 (Federal)</b>							

TOWN	DESCRIPTION	Improvement Type	Func. Class	Estimated Cost (000)	Status
NEW BRITAIN	Broad Street	Reconstruction	Urban Collector	\$550 (PE)	
				\$5,500(C)	
NEW BRITAIN	Route 174 at East St.	Major Intersection Improvement	Urban Minor Arterial	\$ 500 (PE)	
				\$ 2,000 (ROW)	
				\$ 5,000 (C)	
PLAINVILLE	New Britain Ave. (Rte. 372) / W. Cooke St.	Widening	Urban Principal Arterial	\$ 800 (PE)	
				\$ 7,500 (C)	
PLYMOUTH	Rte. 6 at North & South Main Streets	Intersection Improvement	Urban Principal Arterial	\$450 (PE)	

### Percentage of Transportation Funds that are STP for each town

	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>BERLIN</b>	0.0%	0.0%	0.8%	0.0%	0.0%	10.9%	2.3%	0.0%	40.1%
<b>BRISTOL</b>	15.6%	11.9%	6.7%	43.0%	5.8%	19.3%	6.3%	1.5%	10.1%
<b>BURLINGTON</b>	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>NEW BRITAIN</b>	31.3%	0.3%	0.0%	6.7%	54.1%	0.0%	39.4%	97.6%	0.0%
<b>PLAINVILLE</b>	0.0%	37.8%	6.0%	0.7%	0.3%	25.2%	0.0%	0.0%	0.0%
<b>PLYMOUTH</b>	21.8%	100.0%	80.0%	94.0%	10.5%	89.2%	66.1%	88.4%	66.1%
<b>SOUTHINGTON</b>	79.9%	37.9%	0.0%	0.1%	0.0%	18.2%	2.7%	18.8%	0.0%
<b>REGION</b>	<b>16.7%</b>	<b>15.7%</b>	<b>15.6%</b>	<b>12.0%</b>	<b>24.9%</b>	<b>17.8%</b>	<b>7.2%</b>	<b>15.6%</b>	<b>14.0%</b>

### Percentage of Regional STP share for each town

	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>BERLIN</b>	0.0%	0.0%	3.0%	0.0%	0.0%	5.8%	3.7%	0.0%	10.6%
<b>BRISTOL</b>	16.1%	27.0%	3.0%	29.8%	2.8%	77.2%	71.5%	6.5%	54.1%
<b>BURLINGTON</b>	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>NEW BRITAIN</b>	6.7%	0.5%	0.0%	10.6%	92.5%	0.0%	14.8%	48.5%	0.0%
<b>PLAINVILLE</b>	0.0%	42.8%	0.2%	0.9%	0.3%	3.0%	0.0%	0.0%	0.0%
<b>PLYMOUTH</b>	13.5%	4.1%	93.8%	58.5%	4.4%	4.2%	8.5%	21.2%	35.3%
<b>SOUTHINGTON</b>	63.7%	22.6%	0.0%	0.2%	0.0%	9.8%	1.5%	23.8%	0.0%
<b>REGION</b>	<b>100%</b>								

### STP-U for Central Connecticut (2003-2010)

TOWN	2003	2004	2005	2006	2007	2008	2009	2010	Grand Total
<b>BERLIN</b>	0	0	0	0	0	0	0	485,000	485,000
<b>BRISTOL</b>	850,000		950,000		2,985,000	1,445,778	230,000	1,431,608	7,892,386
<b>BURLINGTON</b>	0	0	0	0	0	0	0	0	0
<b>NEW BRITAIN</b>	0	0	152,154	2,451,859	0	300,000	1,743,000	0	4,647,013
<b>PLAINVILLE</b>	1,710,100	5,000	30,000	7,000	75,000	0	0	0	1,827,100
<b>PLYMOUTH</b>	0	2,500,000	1,868,360	111,630	150,000	172,701	763,500	1,609,666	7,175,857
<b>SOUTHINGTON</b>	0	0	0	0	180,000	0	640,000	0	820,000
<b>Grand Total</b>	<b>2,560,100</b>	<b>2,505,000</b>	<b>3,000,514</b>	<b>2,570,489</b>	<b>3,390,000</b>	<b>1,918,479</b>	<b>3,376,500</b>	<b>3,526,274</b>	<b>22,847,356</b>

### All other STP programs for Central Connecticut (2003-2010)

TOWN	2002	2003	2004	2005	2006	2007	2008	2009	2010	Grand Total
<b>BERLIN</b>	0	0	80,000	0	0	230,000	75,000	0	0	385,000
<b>BRISTOL</b>	889,508	280,381	80,000		75,000	76,500	0	1,964	1,032,660	2,436,013
<b>BURLINGTON</b>	0	125,000	0	0	0	0	0	0	0	125,000
<b>NEW BRITAIN</b>	371,189	22,500	0	184,700	10,000		0	0	0	588,389
<b>PLAINVILLE</b>	0	80,000	0	0	0	45,000	0	0	0	125,000
<b>PLYMOUTH</b>	750,000	170,526	0	0	5,768	15,000	0	0	0	941,294
<b>SOUTHINGTON</b>	3,528,600	943,240	0	6,000		208,461	30,000	215,000	0	4,931,301
<b>Grand Total</b>	<b>5,539,297</b>	<b>1,621,647</b>	<b>160,000</b>	<b>190,700</b>	<b>90,768</b>	<b>574,961</b>	<b>105,000</b>	<b>216,964</b>	<b>1,032,660</b>	<b>9,531,997</b>

## STP-U projects for Central Connecticut (2003-2010)

PROJECT	ROUTE	TOWN	DESCRIPTION	PHASE	TOTAL COST	FEDERAL SHARE	FFY
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert	ROW	850,000	680,000	2003
109-158	Camp St	PLAINVILLE	Reconstruction	C	1,569,360	1,255,488	2003
109-150	I-84	PLAINVILLE	Ramp Modifications at CT 72	C+	140,740	112,592	2003
109-158		PLAINVILLE		C+	5,000	4,000	2004
110-125	Canal St.	PLYMOUTH	Reconstruction	C	2,500,000	2,000,000	2004
109-158		PLAINVILLE		C+	30,000	24,000	2005
110-125	Canal St.	PLYMOUTH	Reconstruction	C	1,868,360	1,494,688	2005
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert replacement	ROW+	350,000	280,000	2005
17-171	CT 72	BRISTOL	Int. Imp. @ Memorial Blvd, Repl. Br#4105	PE	600,000	480,000	2005
88-152	Broad St	NEW BRITAIN	Reconstruction	C	152,154	121,723	2005
110-125		PLYMOUTH		C+	111,630	89,304	2006
109-158		PLAINVILLE		C+	7,000	5,600	2006
88-160	Hart St	NEW BRITAIN	Constr. from So. Main to Arch Sts	C	2,451,859	1,961,486	2006
17-171		BRISTOL		PE+	50,000	40,000	2007
17-174	South St	BRISTOL	Int. Imp. @ South, Union & Church Sts.	PE	310,000	248,000	2007
110-129	South Main	PLYMOUTH	Realignment & Reconstruct	PE	150,000	120,000	2007
131-198	Mount Vernon	SOUTHINGTON	Reconstruction of Mt Vernon Rd	PE	180,000	144,000	2007
109-158		PLAINVILLE		C+	75,000	60,000	2007
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert	C	2,625,000	2,100,000	2007
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert	C	1,145,778	916,622	2008
88-160		NEW BRITAIN		ROW+	300,000	240,000	2008
17-171		BRISTOL		PE+	300,000	240,000	2008
110-129		PLYMOUTH		C+	172,701	138,161	2008
110-129		PLYMOUTH		PE+	163,500	130,800	2009
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert replacement	C+	100,000	80,000	2009
88-174	Beaver St.	NEW BRITAIN	Reconstruction of Beaver Street	PE	343,000	274,400	2009
131-198	Mount Vernon	SOUTHINGTON	Reconstruction of Mt Vernon Rd	ROW	640,000	512,000	2009
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert	C+	130,000	104,000	2009
110-129	South Main	PLYMOUTH	Realignment & Reconstruct	ROW	600,000	480,000	2009
88-174	Beaver St.	NEW BRITAIN	Reconstruction of Beaver Street	ROW	1,400,000	1,120,000	2009
110-125		PLYMOUTH		C+	35,584	28,467	2010
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert replacement	C+	86,400	69,120	2010
17-184	Mix St	BRISTOL	Reconstruction, Dorothy Rd to Malby St	C	635,208	508,166	2010
17-161	CT 69	BRISTOL	Realign East Rd, Incl. culvert	C+	160,000	128,000	2010
110-129	South Main	PLYMOUTH	Realignment & Reconstruct	C	1,576,082	1,260,864	2010
07-185	Farmington Ave	BERLIN	Replace Br#04474 of Mattabesett River	PE	485,000	388,000	2010
17-174	South St	BRISTOL	Int. Imp. @ South, Union & Church Sts.	ROW	550,000	440,000	2010

## Project Evaluation Criteria

- Total Program Award per Year
  - \$2,521,717 Federal per Year
  - \$3,152,146 Total per Year
- Town Funding Limit
  - Should there be one?
  - Per Year, 3 years, 5 years?
  - Based on population or some other measure?
  - Needed to assure equity across the towns?
- Project Funding Limit
  - \$3M per project

## Project Evaluation Criteria

- Structural Improvement
- Traffic Improvement
- Regional Significance
- Environmental Improvement
- Equity Improvement
- System Preservation
- Benefits vs. Costs



## Proposed Project Evaluation Criteria

- Simplify the criteria
- Maintain evaluation objectivity
- STP Program is designed for capital improvement projects
- Proposed Criteria
  - Structural Improvement (10 points)
  - Traffic Improvement (10 points)
  - Regional Significance (10 points)
  - Importance to Municipality (10 points)
  - Innovative Project (5 points)
  - Other Benefits (5 points)
- Total 50 points

## Project Solicitation

- Future year projects
- Looking to send 3-5 good projects to the CT-DOT Project Development Unit
- Tentative deadline of early Dec. 2011
- Expect 1-2 potential projects from each Town

