

**Memorandum for the Record**  
**Transportation Planning and Programming Committee of the**  
**Boston Region Metropolitan Planning Organization (MPO)**

**June 11, 2009 Meeting**

10:15 AM –12:30 PM, State Transportation Building, Conference Room 4, 10 Park Plaza, Boston

David Mohler, Chair, representing James Aloisi, Executive Office of Transportation & Public Works (EOT)

**Decisions**

The Transportation Planning and Programming Committee voted to take the following actions:

- elect MAPC, represented by Eric Bourassa, as vice chair of the Transportation Planning and Programming Committee
- approve the minutes of the meeting of May 14 and the minutes of the Municipal TIP Day meetings of May 21 and 28

**Meeting Agenda**

**1. Public Comments**

Judy LaRocca, Town of Concord, Bruce Freeman Rail Trail Advisory Council, spoke in support of the Bruce Freeman Rail Trail project and requested that the MPO program the project in the FFYs 2010-2013 Transportation Improvement Program (TIP). She stated that the Town of Concord is ready to go with the project, which is at 25% design. The town has received comments from MassHighway on the 25% design and a 25% design hearing has been scheduled. She stated that the project has the support of the Concord Board of Selectmen and Conservation Commission. She also added that the project fits in well with other projects, may help increase ridership on the Fitchburg commuter rail line and alleviate congestion on Route 2, and that it aligns with the town's Safe Routes to School program.

John Woodsmall, Town of Southborough, requested that the MPO consider programming Southborough's Main Street reconstruction project in the FFYs 2010-2013 TIP. The town expects to respond to MassHighway's comments on the project's 25% design by autumn. Both the town and the MassHighway District Office believe that the project can be ready for construction in 2011, he said. He also noted that the project has strong community support and addresses an important commuter corridor. Further, the design includes many recommendations from the MPO's *Pedestrian and Bicycle Improvements in Town Centers* study.

Wig Zamore, Somerville Transportation Equity Partnership/Mystic View Task Force, provided information to members regarding the planned Assembly Square Orange Line station as a follow up to questions that arose at the June 4<sup>th</sup> meeting. At that meeting, he advocated for changing the project design to include two entrances to the station rather than one. He distributed two handouts (see attached). One showed the size of the Assembly Square development as being the same distance as North Station is from South

Station. The other showed the building layout for the development. W. Zamore noted that if there were one entrance in the center of the Orange Line platform transit riders would arrive at the back of the buildings, rather than at cross streets. He again advocated for two entrances at the ends of the platform.

## **2. Chair's Report – David Mohler, EOT**

The MPO elections have been held. The Town of Braintree was elected to the seat previously held by the City of Salem, and the Town of Bedford won re-election.

Members were asked to sign a form endorsing their April decision to specify the Federal Functional Classification of several roadways in Somerville – Assembly Square Drive, New Road, Foley Street, G Street, IKEA Way, and Lombardi Street – as “collectors.”

Eric Bourassa, Metropolitan Area Planning Council, asked if EOT has developed a schedule for amending the Regional Transportation Plan (RTP). He remarked upon the interest some legislators have expressed on the transportation finance issue. D. Mohler stated that EOT is working on developing a schedule and that he expects that EOT will have a finance plan in July. Mary Pratt, Town of Hopkinton, suggested that the legislators refer to the Transportation Finance Commission Report.

Paul Regan, MBTA Advisory Board, asked for information on the status of the conversation about the finance plan issue at EOT and whether EOT is waiting for the resolution on the state transportation reform bill before producing the finance plan. D. Mohler replied that EOT is assessing how much money is available and what are the priorities. He indicated that the development of the finance plan is not tied to the bill, but that a challenge will be how to address the \$160 million gap in the MBTA's finances.

David Koses, City of Newton, inquired about the deadline for amending the RTP in order that the current TIP does not become invalid. D. Mohler stated that the deadline is October 1<sup>st</sup>.

M. Pratt stated that the Central Artery/Tunnel project should be a separate bonded item and not placed as a burden on the Massachusetts Turnpike Authority, MassHighway, and MBTA. She stated that the legislature needs to address this issue. She also stated that she wants to know the total amount of money owed for the Central Artery project.

## **3. Subcommittee Chairs' Reports – Jim Gallagher, MAPC, and Paul Regan, MBTA Advisory Board**

The Suburban Mobility/Transportation Demand Management (TDM) Subcommittee will meet this afternoon and make recommendations on proposals. The Subcommittee will bring those recommendations to the Committee on June 18<sup>th</sup>.

The Administration and Finance Subcommittee will meet on June 18<sup>th</sup> at 9AM.

**4. Regional Transportation Advisory Council** – *Laura Wiener, Regional Transportation Advisory Council*

The Advisory Council met on June 10<sup>th</sup>. The meeting included a presentation about the MBTA's Program for Mass Transit and a discussion on the status of the TIP and Unified Planning Work Program (UPWP). Next month the Council will be developing comments on the TIP and UPWP. In August, the Council will have a presentation on the Accelerated Bridge Program. Secretary Aloisi is scheduled to attend a meeting in September.

**5. Director's Report** – *Arnie Soolman, Director, Central Transportation Planning Staff (CTPS)*

CTPS is working on its budget. There will likely be an excess of about \$400,000 in 3C Planning funds available for new studies. This will be discussed in more detail in the UPWP Subcommittee meeting next week.

M. Pratt indicated that she was pleased to see the Town of Southborough bring its Main Street reconstruction project to the MPO as this project has elements recommended from the UPWP study, *Pedestrian and Bicycle Improvements in Town Centers*.

**6. Election of Vice Chair** – *David Mohler, EOT*

A motion to elect MAPC, represented by Eric Bourassa, as vice chair of the Transportation Planning and Programming Committee was made by Richard Reed, Town of Bedford, and seconded by M. Pratt. The motion passed unanimously.

**7. Meeting Minutes** -- *Pam Wolfe, Manager of Certification Activities, CTPS*

A motion to approve the minutes of the meeting of May 14 was made by P. Regan, and seconded by Ginger Esty, Town of Framingham. The motion passed unanimously.

A motion to approve the minutes of the Municipal TIP Days meetings of May 21 and 28 was made by P. Regan, and seconded by G. Esty. The motion passed. R. Reed abstained.

**8. Staff Recommendation – Highway Projects, FFYs 2010 – 2013 Transportation Improvement Program and Amendment 4 of the FFY 2009 Element of the FFYs 2007 – 2010 TIP** – *Hayes Morrison, TIP Manager, MPO Staff*

**Amendment 4 of the FFY 2009 Element of the FFYs 2007 – 2010 TIP**

Staff distributed draft TIP tables for Amendment 4 of the FFY 2009 Element of the FFYs 2007 – 2010 TIP and a handout showing changes to the transit element for members to review prior to discussion at a future meeting. (See attached.)

J. Gallagher asked about the status of the *Arlington – Cyrus Dallin or Thompson or Stratton Elementary School(s) Sidewalk Improvements* project, which is programmed to receive American Recovery and Reinvestment Act (ARRA) funding. H. Morrison replied that the Commonwealth had not informed her that there is a need to make an adjustment to the ARRA project list at this time. D. Mohler stated that some ARRA projects will not be advertised within the 120-day timeframe for expending stimulus funding.

J. Gallagher then asked if communities would be informed that their projects might not go forward. D. Mohler replied that communities would be informed during the development of the FFYs 2010 – 2013 TIP. He also stated that there will be a discussion about putting projects that were not advertised in time for the first round of stimulus funding on the TIP to receive funding for the second round of stimulus funding. Projects originally scheduled for the first round of funding could still be advertised this summer, before the start of FFY 2010.

M. Pratt suggested putting indicators on the TIP tables to show which projects are tentative for receiving ARRA funding. D. Mohler advised staff to put the advertising date next to the projects that have been advertised.

P. Regan discussed a project idea (for Congestion Mitigation and Air Quality Improvement Program funding) developed by *TransitWorks*, a non-profit transportation research organization formed by A Better City and the MBTA Advisory Board. (See attached project description.) *TransitWorks* gathers survey data on the preferences of transit riders. *TransitWorks* is proposing to conduct a telephone survey of transit riders and people who do not use transit, and to expand the work of “Charlie Volunteers,” who ride the MBTA and chronicle their journeys. The project would cost about \$50,000 and could begin as soon as possible. P. Regan noted that the project would provide valuable information to the MPO and make the MPO a leader in acquiring this type of survey data. He asked for the MPO’s support for the project.

E. Bourassa stated that MAPC is finalizing a project list of municipal priorities for ARRA funding that it will provide for discussion. D. Mohler asked about how the list is being developed. J. Gallagher stated that MAPC has sent letters to municipalities requesting information on their priorities and considered information that municipalities supplied at the MPO’s Municipal TIP Input Days.

### **FFYs 2010 – 2013 TIP**

Members then discussed the TIP tables that show the staff recommendation for the FFYs 2010 – 2013 TIP. This document is intended to be the starting point for discussion for TIP development. H. Morrison noted that the tables are based on targets announced at the recent MARPA meeting. She then provided an overview of the changes noting where there were project cost changes, and projects removed or added.

### **FFY 2010 Element**

Noting that the *Framingham – Central Street over the Sudbury River* bridge project was moved out of the FFY 2010 element, Ginger Esty, Town of Framingham, stated that the project is important for traffic flow. She also referenced another Framingham project – the *Danvers Street* bridge. H. Morrison stated that the *Central Street* project is still in the TIP having been moved to the FFY 2012 element. The *Danvers Street* project may be in the Accelerated Bridge Program, she said.

David Koses, City of Newton, requested that staff provide a list of projects that could be ready in the next couple of years and that are not included in the staff recommendation. H. Morrison noted that the universe of projects includes those for which federal funding has been requested (those projects in the TIP binder that members received for Municipal TIP Input Days) and that the universe is reflected in the project evaluation forms distributed to members of the committee at Municipal TIP Input Days. This evaluation matrix includes the design status, readiness, and cost information for projects. D. Mohler asked staff to sort the evaluation forms by design status.

Richard Reed, Town of Bedford, suggested extending the timeframe for voting on the TIP to allow members more time to review the information available to them. Members agreed to take up Amendment 4 on June 18, and discuss the FFYs 2010 – 2013 TIP on July 2. Members were advised to plan to meet every week in July for the development of the TIP and the RTP amendment.

H. Morrison walked members through the TIP tables. (Changes are noted on the right-hand side of the attached TIP tables. Where there were cost changes, the former cost is also noted on the right.)

Members raised the following questions and points:

J. Gallagher noted that due to the cost change for the *Bellingham – Pulaski Boulevard* project – to \$13 million – the project would have to be included in the RTP. (Projects costing over \$10 million must be listed in the RTP.)

D. Mohler asked what programs were included in the Regionwide CMAQ Program? H. Morrison stated that the category includes \$1.55 million for the Regional Bicycle Parking Program and the Suburban Mobility and TDM Programs, and an additional \$950,000 for other CMAQ projects to be selected by the committee.

D. Mohler asked if the FFY 2009 design funds for the Ipswich – North Green Improvements project had been obligated. H. Morrison stated that the design funds had not been obligated. Staff is working with EOT to ensure the obligation of funds in FFY 2010, she said.

H. Morrison noted that the Special Bridge Funds category includes special funding Congress provided to states following the bridge collapse in Minnesota. These funds will be provided by FHWA in FFYs 2009 and 2010.

D. Mohler asked if all the highway projects (in the Federal Aid Target category) are likely to be ready for the year programmed. H. Morrison replied yes.

In reference to several High-Priority Project (HPP) earmarked projects for Boston (in the Federal Aid Non-Target category), D. Mohler noted that earmarked projects cannot be in the TIP unless they are ready to be constructed. He expressed concern that the *Huntington Avenue/Symphony Area Streetscape Construction, Melnea Cass Boulevard*

*Construction, and Warren Street/Blue Hill Avenue* projects are not at the design stage that would enable construction within the TIP timeframe. Jim Gillooly, City of Boston, stated that he would do some research on the projects and work with staff within the next week.

D. Mohler asked if the HPP Walpole – Washington Street project was programmed for design or construction? H. Morrison stated that it is programmed for construction.

J. Gallagher raised the issue of the possible rescinding of unobligated HPP (TEA-21) funding, as a result of a provision included in a federal House bill. D. Mohler stated that, if the provision passes, and those earmarked projects are not advertised, the funding could be rescinded. Therefore, the placement of the *Boston – Huntington Avenue/Symphony Area Streetscape Construction* project in the TIP does not secure the funding for the project. J. Gillooly added that the full design of the project is underway and that, if the earmark is not eliminated by the federal legislation, the project will be ready for construction in FFY 2010.

Regarding two earmarks for Somerville projects, Thomas Bent, City of Somerville, noted that the *Somerville Community Path, Phase I* project is at 100% design, and the *Beacon Street* project is at 75%.

P. Regan asked about the *Woburn – Salem Street over MBTA* bridge project. H. Morrison stated that it was moved off the TIP.

J. Gallagher noted that the *Quincy Center Concourse* project would have to be added to the FFY 2010 element after the RTP is amended.

### **FFY 2011 TIP**

H. Morrison noted that the Arlington, Somerville, Cambridge – Minuteman Bikeway Connector project is on the list for ARRA funding.

Funding for the *Concord & Lincoln – Route 2 (Crosby's Corner)* project begins to be programmed in the FFY 2011 element across three funding programs: CMAQ, Surface Transportation, and Highway Safety Improvement. Approximately \$19-20 million would be programmed each year from FFYs 2011 to 2013. (The total project cost estimate is approximately \$72 million.)

R. Reed inquired about the funding for right-of-way acquisition for the *Crosby's Corner* project. D. Mohler said he expects the acquisition will begin this fiscal year (this month) and go into the next fiscal year. It would be funded with state funds (under the state's non-federal aid bond cap). R. Reed then asked if it could be assured that the state could purchase the right-of-way given the current issues of balancing the state budget. D. Mohler replied that the state will be committed to purchasing all the right-of-way as soon as it makes the first land purchase. The first purchase is expected to occur by June 30.

M. Pratt noted that the total cost (federal and state dollars) for the *Crosby's Corner* project will be about \$100 million (including right-of-way acquisition). She also noted

that the Town of Concord proposed an associated project at Municipal TIP Input Day that would address stormwater issues.

H. Morrison noted that the *Needham, Wellesley – Route 128 Improvement Program* project is moving to FFY 2012 (roadway contract six, project number 603206), and the *Concord – Route 2* project is funded by ARRA.

J. Gallagher asked about when the entire *Route 128 Improvement Program* is expected to be finished. D. Mohler stated that he would find out.

### **FFY 2012**

H. Morrison noted that the *Somerville – Magoun Square* project will be funded by ARRA.

J. Gallagher inquired about the funding in FFY 2011 being more than seemed to be previously available. H. Morrison replied that the difference was approximately \$2 million and she would check into the discrepancy.

Lourenço Dantas, Massport, stated that Massport will be requesting that the MPO program the *East Boston – Chelsea Bypass* project, which has a \$5 million earmark, in the FFY 2012 element. The project is in the RTP with an estimated cost of \$17 million. That figure will be revised to reflect both a current estimate and available outside funding.

Joe Cosgrove, MBTA, asked about the status of the *Longfellow Bridge* project. D. Mohler stated that the project is slated for FFY 2011 and will be in the Accelerated Bridge Program. In 2015 part of the funding for Accelerated Bridge Program will convert to Grant Anticipation Notes (GANS).

### **FFY 2013**

Members further discussed the *Crosby's Corner* project. As programmed, the MPO would spend \$56 million in the FFYs 2010 – 2013 TIP for the \$72 million project, the remaining \$16 million that would need to be programmed in FFY 2014 element.

R. Reed asked about how the project is going to be executed and whether the construction sequence had been determined (for year-by-year construction funding needs). He asked if the figures in the TIP would have to be adjusted after the project is advertised to better reflect the construction spending and if there would then be flexibility to fund other projects.

D. Mohler stated that there would be one contract for the four-year project. The TIP shows the cash flow, but not based on the construction sequence. The TIP reflects an anticipated funding of approximately equal amounts over the anticipated construction timeline. In this case, the project is projected to take four years to construct. However, an attempt should be made to match the TIP figures to construction expectations, he said.

D. Koses asked why the *Hudson – Washington Street* project received priority in this element. H. Morrison stated that the project was prioritized based on safety, mobility and operations and cost issues. The location is a high crash area and the project design addresses the safety need. The project has also been in the RTP. The Town of Belmont also had a project that addressed safety, but the cost was too high to fit in this element.

Staff was asked to provide the following information to members:

- 2009 Draft TIP tables
- List of projects in the first five years of the RTP
- Index of projects in the draft FFY 2009 – 2012 TIP
- Project evaluations sorted by design status

Members agreed to further discuss the TIP on July 2. The MPO could then release the TIP to the public (though the formal public review period would not take place until the RTP amendment was also released for public review).

## **9. Members Items**

J. Gillooly remarked on the importance of coordinating various projects to repair bridges over the Charles River given that multiple agencies, cities, and organizations are involved (including MassHighway, Department of Conservation and Recreation, Cities of Boston and Cambridge, and business coalitions). D. Mohler noted that DCR controlled bridges that carry motor vehicles will be coming under the purview of MassHighway.

M. Pratt advocated for funding to repair the Long Island Bridge, which serves a hospital on the island.

R. Reed requested that staff provide a list of subcommittee assignments. D. Mohler stated that subcommittee assignments can be chosen, but must also reflect an even number of members on each committee. Members agreed to take this issue up again.

## **10. Adjourn**

**Transportation Planning and Programming Committee Meeting Attendance**  
**Thursday, June 11, 2009, 10:00 AM**

**Member Agencies**

EOT

City of Boston

City of Newton

City of Somerville

MAPC

Massport

MBTA

MBTA Advisory Board

Regional Transportation

Advisory Council

Town of Bedford

Town of Hopkinton

Town of Framingham

**Representatives and Alternates**

David Mohler

Jim Gillooly

Thomas Kadzis

David Koses

Thomas Bent

Eric Bourassa

Jim Gallagher

Lourenço Dantas

Joe Cosgrove

Ron Morgan

Paul Regan

Laura Wiener

Steve Olanoff

Richard Reed

Mary Pratt

Ginger Esty

**MPO Staff/CTPS**

Michael Callahan

Maureen Kelly

Anne McGahan

Hayes Morrison

Sean Pfalzer

Karl Quackenbush

Arnie Soolman

**Other Attendees**

Robert Hull

Judy LaRocca

Sue McQuaid

John Woodsmall

Wig Zamore

Friends of Bruce Freeman Rail Trail

Town of Concord

Neponset Valley Chamber of Commerce

Town of Southborough

Somerville Transportation Equity

Partnership/Mystic View Task Force

# Assembly Square Top to Bottom Equals Distance between North and South Stations in Boston





**DRAFT  
Amendment Four  
FFY 2009 Element of the FFYs 2007 - 2010 TIP**

*Indicates a change in project cost*

*Indicates removed from TIP (cost not reflected in total)*

*Indicates a project moved in from another TIP element*

*Indicates a project moved out to another TIP element (cost not reflected in total)*

*Indicates a new addition to the TIP (action taken as denoted)*

*Indicates a project moved to a new funding category*

**Regional Highway Program**

**FEDERAL-AID TARGET PROJECTS**

**Congestion Mitigation and Air Quality Improvement Program**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	<i>previous amount</i>
Belmont, Cambridge & Somerville	600811	Bicycle Facility	\$4,160,000	\$1,040,000	\$5,200,000	
Franklin	602962	King Street Ramps	\$3,800,000	\$950,000	\$4,750,000	
Milford	604530	Upper Charles Trail, Phase 2	\$3,280,000	\$820,000	\$4,100,000	
Watertown	602053	Intersection Improvements at Three Locations	\$1,431,296	\$357,824	\$1,789,120	\$875,000
			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	
Boston		Boston Traffic Management Center Operations	\$324,000	\$81,000	\$405,000	
Boston Region		Improving the Region's Bike/Ped Infrastructure Program	\$520,000	\$130,000	\$650,000	
Boston Region		Regional Transportation Demand Management Program	\$200,000	\$50,000	\$250,000	
Boston Region		Suburban Mobility Improvement Program	\$520,000	\$130,000	\$650,000	
		<b>Congestion Mitigation and Air Quality Improvement Program Total</b>	<b>\$14,235,296</b>	<b>\$3,558,824</b>	<b>\$17,794,120</b>	
				<i>CMAQ Regional Target</i>	<i>\$8,593,420</i>	

**National Highway System**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Canton, Randolph & Westwood	87800	Route 128 Improvement Program Contract 3, Year Three of Six	\$9,567,511	\$2,391,878	\$11,959,389
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4, Year One of Six	\$2,400,000	\$600,000	\$3,000,000
		<b>National Highway System Total</b>	<b>\$11,967,511</b>	<b>\$2,991,878</b>	<b>\$14,959,389</b>

**Surface Transportation Program**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Bedford, Billerica & Burlington	29491	Middlesex Turnpike (Mitre Extension), Phase Two	\$4,673,473	\$1,168,368	\$5,841,841	\$6,245,005
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62	\$7,200,000	\$1,800,000	\$9,000,000	\$9,500,000
Foxborough, Norfolk, & Wrentham	602496	Route 115 (Pond/Pine St)	\$5,188,800	\$1,297,200	\$6,486,000	
Salem	601017	Route 1A (Bridge Street)	\$5,280,000	\$1,320,000	\$6,600,000	
		<b>Surface Transportation Program Total</b>	<b>\$22,342,273</b>	<b>\$5,585,568</b>	<b>\$27,927,841</b>	

**Highway Safety Improvement Program (HSIP) Project**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Bedford, Billerica & Burlington	29491	Middlesex Turnpike (Mitre Extension), Phase Two	\$3,867,039	\$429,671	\$4,296,710
		<b>Highway Safety Improvement Program Total</b>	<b>\$3,867,039</b>	<b>\$429,671</b>	<b>\$4,296,710</b>
				<i>HSIP Regional Target</i>	<i>\$4,296,710</i>

**DRAFT  
Amendment Four  
FFY 2009 Element of the FFYs 2007 - 2010 TIP**

**Surface Transportation Program/Enhancement**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Ipswich	604945	North Green Improvements (Design)	\$73,440	\$18,360	\$91,800
Cambridge	605188	Cambridge Common/Flagstaff Park (Design)	\$144,000	\$36,000	\$180,000
<b>Surface Transportation Program/Enhancement Total</b>			<b>\$217,440</b>	<b>\$54,360</b>	<b>\$271,800</b>

<b>Total Regional Target Programming</b>	<b>\$65,249,860</b>	
<i>Boston Region MPO Regional Target with State Match</i>	<i>\$65,225,104</i>	<i>programming less target -\$24,756</i>

**FEDERAL-AID NON-TARGET PROJECTS**

**FEDERAL-AID American Recovery and Reinvestment Act of 2009**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Arlington	PROG-7	Cyrus Dallin or Thompson or Stratton Elementary School(s) Sidewalk Improvements	\$448,000		\$448,000	<i>previous amount/notes</i>
Arlington and Somerville	DCR920	Minuteman Bike Path Connector	\$3,000,000		\$3,000,000	
Boston	M0330B	Northern Ave Sidewalk Improvements	\$800,000		\$800,000	
Boston		Dorchester Ave	\$12,926,000		\$12,926,000	
Boston		Resurfacing on Federal Aid Roads within Boston	\$21,000,000		\$21,000,000	
Burlington, Lexington, Reading, Woburn	605018	Guide and Traffic Sign Repair on I-95	\$3,289,560		\$3,289,560	
Cambridge and Charlestown	DCR927	North Bank Pedestrian Bridge	\$36,000,000		\$36,000,000	
Concord		Route 2	\$3,575,000		\$3,575,000	
Harvard and Littleton	604400	Route 2	\$5,784,600		\$5,784,600	
Lincoln	604629	Route 2	\$1,289,990		\$1,289,990	
Lynn	DCR901	Blossom St Ferry Terminal	\$4,000,000		\$4,000,000	
Metro Boston	DCR930	Pavement Improvements to Metro Parkway System	\$3,000,000		\$3,000,000	
Metro Boston	DCR934	Sidewalk Improvements to Metro Parkway System	\$700,000		\$700,000	
Newton	MTA-MHS-04	Harvard St Bridge	\$3,500,000		\$3,500,000	
Region		Regionwide ITS Program	\$5,000,000		\$5,000,000	
Statewide	MTA-ALL-01	Statewide Communications Network Expansion	\$2,000,000		\$2,000,000	
Somerville to Wilmington	604938	Guide and Traffic Sign Repair on I-93	\$4,620,000		\$4,620,000	moved to NHS preservation

**DRAFT  
Amendment Four  
FFY 2009 Element of the FFYs 2007 - 2010 TIP**

**FEDERAL-AID American Recovery and Reinvestment Act of 2009 cont.**

Somerville		Magon Square	\$3,100,000	\$3,100,000
Waltham	PROG 9	Northeast Elementary School Sidewalk School	\$518,000	\$518,000
Watertown, Newton, Boston	DCR949	Nonantum Rd Improvements	\$6,059,400	\$6,059,400
Weston	MTA-MHS-02	Ramp G over Turnpike	\$3,000,000	\$3,000,000
Weston	MTA-MHS-03	Ramp G over Aqueduct	\$2,000,000	\$2,000,000
Wilmington and Methuen	605396	Guide and Traffic Sign Repair on I-93	\$4,275,000	\$4,275,000
<b>Highway ARRA Total</b>			<b>\$129,885,550</b>	<b>\$129,885,550</b>

moved to NHS preservation

**FEDERAL-AID BRIDGE PROJECTS**

<b>Bridge</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	<i>previous amount/notes</i>
Boston	600944	American Legion HWY over Route 203	\$4,904,904	\$1,226,226	\$6,131,130	
Framingham	604013	Fountain Street over MBTA and CSX	\$3,120,000	\$780,000	\$3,900,000	moved to 2010
Hanover	605101	Route 53 over Route 3	\$10,807,520	\$2,701,880	\$13,509,400	
Marlborough	603506	Robin Hill and Boundary Street Bridges over the Assabet	\$3,158,748	\$789,687	\$3,948,435	
<b>Bridge Total</b>			<b>\$21,991,172</b>	<b>\$5,497,793</b>	<b>\$27,488,965</b>	

**Advance Construction Bridge**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston	604517	Chelsea Street Bridge	\$8,800,000	\$2,200,000	\$11,000,000
Boston & Everett	603370	Route 99 (Alford Street) Bridge	\$4,800,000	\$1,200,000	\$6,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4	\$800,000	\$200,000	\$1,000,000
Lynn & Saugus	026710	Route 107 (Fox Hill) Bridge	\$800,000	\$200,000	\$1,000,000
<b>Advance Construction Bridge Total</b>			<b>\$14,400,000</b>	<b>\$3,600,000</b>	<b>\$18,000,000</b>

**Special Bridge Funds**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Danvers	603715	Route 1 over Centre Street	\$5,360,000	\$1,340,000	\$6,700,000
Millis	604240	Route 115 (Norfolk Rd) over Charles River	\$1,200,000	\$300,000	\$1,500,000
<b>Special Bridge Funds Total</b>			<b>\$6,560,000</b>	<b>\$1,640,000</b>	<b>\$8,200,000</b>
<b>Federal-Aid Bridge Total</b>					<b>\$53,688,965</b>

**FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES**

**Interstate Maintenance**

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Marlborough, Hudson & Berlin	604877	Interstate 495	\$13,403,988	\$1,489,332	\$14,893,320
Stoneham, Winchester & Reading	604878	Interstate 93	\$9,855,648	\$1,095,072	\$10,950,720
<b>Interstate Maintenance Total</b>			<b>\$23,259,636</b>	<b>\$2,584,404</b>	<b>\$25,844,040</b>

**DRAFT  
Amendment Four  
FFY 2009 Element of the FFYs 2007 - 2010 TIP**

<b>National Highway System Statewide Preservation</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	<i>previous amount/notes</i>
Arlington/Belmont/Cambridge	604629	Route 2	\$3,367,200	\$841,800	\$4,209,000	
Wilmington and Methuen	605396	Guide and Traffic Sign Repair on I-93	\$4,044,401	\$808,880	\$4,044,401	moved from ARRA, was \$4,275,000
Somerville to Wilmington	604938	Guide and Traffic Sign Repair on I-93	\$5,008,542	\$1,001,708	\$5,008,542	moved from ARRA, was \$5,008,542
<b>National Highway System Pavement Preservation Total</b>			<b>\$10,609,554</b>	<b>\$2,652,389</b>	<b>\$13,261,943</b>	

**FEDERAL AID EARMARKED FUNDING**

<b>High-Priority Projects (TEA-21)</b>			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	
Bedford, Billerica & Burlington	29491	Middlesex Turnpike (Mitre Extension) Construction, Phase Two (HPP 924)	\$1,922,102	\$480,526	\$2,402,628	
Boston		Symphony Area/Huntington Ave Streetscape Design (HPP 447)	\$200,000	\$50,000	\$250,000	
<b>High-Priority Projects (SAFETEA-LU)</b>			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	<i>previous amount/notes</i>
Acton and Maynard	604531	Assabet River Rail Trail Design (HPP 1761)	\$452,000	\$113,000	\$565,000	
Bedford, Billerica & Burlington	29491	Middlesex Turnpike (Mitre Extension) Construction, Phase Two	\$718,000	\$179,500	\$897,500	
Boston		Pedestrian Improvements to Kenmore Sq Construction (HPP 682)	\$3,318,758	\$829,690	\$4,148,448	
Boston	604775	Longwood Ave / Urban Ring Tunnel Study (HPP 856)	\$96,033	\$24,008	\$120,041	
Boston	600636	Massachusetts Avenue Construction (HPP 270)	\$1,260,573	\$315,143	\$1,575,716	
Boston	604997	Museum Way Improvements Construction (HPP 1960)	\$2,871,997	\$717,999	\$3,589,996	
Boston		Sullivan Square, Phase 1 Design (HPP 3568)	\$897,498	\$224,375	\$1,121,873	
Danvers to Peabody	604874	Border to Boston Bikeway Design (HPP 843)	\$718,000	\$179,500	\$897,500	
Danvers & Peabody	87612	Route 128 Improvements Construction (1477)	\$1,106,253	\$276,563	\$1,382,816	
Franklin	604988	Route 140 Design (HPP 4279)	\$400,000	\$100,000	\$500,000	
Hudson & Stow		Assabet River Rail Trail Design (HPP 1761)	\$269,250	\$67,312	\$336,562	
Hull	604743	West Corner Culvert Construction (HPP 1681)	\$143,600	\$35,900	\$179,500	
Somerville		I-93 Mystic Avenue Interchange Study (HPP 792)	\$359,000	\$89,750	\$448,750	
Somerville	604778	Union Square Improvements Study (HPP 999)	\$73,961	\$18,490	\$92,451	
Somerville	604872	Assembly Square Multimodal Access Improvements Construction (HPP 4281)	\$5,007,375	\$1,251,844	\$6,259,219	
Watertown	601686	Pleasant Street and Howard Street Construction	\$341,449	\$85,362	\$426,811	
Watertown*	605139	Watertown Bike Path Construction (HPP 1400)	\$576,618	\$144,155	\$720,773	
Watertown*	605139	Watertown Bike Path Construction (HPP 1424)	\$579,339	\$144,835	\$724,174	
Walpole	605187	Washington St Design (HPP 2431)	\$125,650	\$31,412	\$157,062	all of earmark for construction in 2010
Weymouth		Weymouth Multi-Modal Center Construction (HPP 4276)	\$8,011,800	\$2,002,950	\$10,014,750	
<b>Transportation Improvement Projects (SAFETEA-LU)</b>						
Boston to Worcester		Rail Line Improvements (TI 172)	\$8,985,072	\$2,246,268	\$11,231,340	
<b>High-Priority Projects Total</b>			<b>\$38,434,327</b>	<b>\$9,608,582</b>	<b>\$48,042,909</b>	

\*match to be provided by the Department of Conservation and Recreation

**Section Earmarks Other Match**

<b>Section 112</b>			<i>Federal Funds</i>	<i>Other Funds</i>	<i>Total Funds</i>
Medford	605122	Clippership Drive Streetscape Construction	\$990,000		\$990,000
Cambridge	600991	Kendall Square/Broadway Streetscape Construction	\$750,000		\$750,000

**DRAFT**  
**Amendment Four**  
**FFY 2009 Element of the FFYs 2007 - 2010 TIP**

<b>Section 117</b>						
Cambridge	604993	Innovation Blvd Streetscape Construction		\$990,000		\$990,000
Malden		Pleasant St Design		\$310,200		\$310,200
Somerville		Streetscape Improvements		\$983,928		\$983,928
<b>Section 129</b>						
Norwood	603417	Morse St Bridge		\$665,000		\$665,000
<b>Section 330</b>						
Winthrop		Winthrop Ferry Improvements Construction		\$496,750		\$496,750
<b>High-Priority Project (SAFETEA-LU) Other Match</b>				<i>Federal Funds</i>	<i>Other Funds</i>	<i>Total Funds</i>
Boston	604774	National Park Traveler Information System & Visitor Center		\$1,218,000		\$1,218,000
<b>2004 Ferry Boat Discretionary Commuter Ferry</b>				<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Winthrop		Winthrop Ferry Improvements Construction		\$264,232	\$66,058	\$330,290
<b>2005 Ferry Boat Discretionary Ferry Infrastructure</b>				<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Winthrop		Winthrop Ferry Improvements Construction		\$208,167	\$52,042	\$260,209
<b>Eastern Federal Lands Highway Division</b>				<i>Federal Funds</i>	<i>Other Funds</i>	<i>Total Funds</i>
Minuteman National Park (Concord)		Pavement Management Project				\$230,000
<b>Other Earmarks Total</b>				<b>\$6,876,277</b>	<b>\$118,100</b>	<b>\$7,224,377</b>
<b>FFY 2009 Federal-Aid Non-Target Non-Bridge Projects Total</b>						<b>\$55,267,286</b>
<b>FFY 2009 Total Federal-Aid Highway Program</b>						<b>\$443,953,894</b>
<b>FFY 2009 Total Highway Program</b>						<b>\$443,953,894</b>

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**Amendment Four**  
**FFY 2009 Element of the FFYs 2007 - 2010 TIP**

***Central Artery/Tunnel Project***

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
National Highway System (NHS)	\$70,000,000	\$17,500,000	\$87,500,000
State Transportation Program (STP)	\$56,845,000	\$14,211,250	\$71,056,250
<b>Federal-Aid Subtotal</b>	<b>\$126,845,000</b>		
<b>Federal-Aid Matching Funds Subtotal</b>		<b>\$31,711,250</b>	
			<b>FFY 2009 Central Artery/Tunnel Funds Total \$158,556,250</b>

**DRAFT  
Amendment Four  
FFY 2009 Element of the FFYs 2007 - 2010 TIP**

***REGIONAL TRANSIT PROGRAM***

<b>Section 3037</b>			<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Systemwide	Job Access		\$1,502,650	\$375,662	\$1,878,312
		<b>Section 3037 MBTA Match Total</b>	<b>\$1,502,650</b>	<b>\$375,662</b>	<b>\$1,878,312</b>
<b>New Freedom</b>			<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Systemwide	New Freedom		\$1,292,406	\$323,101	\$1,615,507
		<b>New Freedom MBTA Match Total</b>	<b>\$1,292,406</b>	<b>\$323,101</b>	<b>\$1,615,507</b>
<b>Section 5307</b>			<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Systemwide	Locomotive and Coach Procurement		\$13,600,000	\$3,400,000	\$17,000,000
Systemwide	ITS Initiatives		\$4,000,000	\$1,000,000	\$5,000,000
Red Line	Power System Improvements		\$4,000,000	\$1,000,000	\$5,000,000
Systemwide	Station Rehabilitation		\$4,000,000	\$1,000,000	\$5,000,000
Green Line	MBTA Accessibility Program		\$21,600,000	\$5,400,000	\$27,000,000
Blue Line	Blue Line Vehicles		\$8,000,000	\$2,000,000	\$10,000,000
Systemwide	Station Management Program		\$2,800,000	\$700,000	\$3,500,000
Bus	CNG Bus Overhaul Program		\$12,000,000	\$3,000,000	\$15,000,000
Bus	Everett Maintenance Facility		\$4,400,000	\$1,100,000	\$5,500,000
Systemwide	Elevator Replacement/Rehabilitation		\$27,308,761	\$6,827,190	\$34,135,951
Systemwide	Grant Anticipation Notes (GANs) Program		\$19,985,000	\$4,996,250	\$24,981,250
Systemwide	MBTA Enhancement Program		\$1,354,482	\$338,621	\$1,693,103
Systemwide	Preventative Maintenance		\$10,000,000	\$2,500,000	\$12,500,000
Systemwide	Bus and Train Arrival LCD Signage		\$2,400,000	\$600,000	\$3,000,000
		<b>Section 5307 MBTA Match Total</b>	<b>\$135,448,243</b>	<b>\$33,862,061</b>	<b>\$169,310,304</b>
			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Cape Ann	Cape Ann Transportation Authority		\$344,568	\$86,142	\$430,710
		<b>Section 5307 State Match Total</b>	<b>\$344,568</b>	<b>\$86,142</b>	<b>\$430,710</b>
<b>High-Priority Projects (SAFETEA-LU)</b>			<i>Federal Funds</i>	<i>Local Funds</i>	<i>Total Funds</i>
Bus	HPP Bus - Framingham Transit System		\$406,296	\$101,574	\$507,870
		<b>SAFETEA-LU High-Priority Projects (HPP Bus) Total</b>	<b>\$406,296</b>	<b>\$101,574</b>	<b>\$507,870</b>

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**Amendment Four**  
**FFY 2009 Element of the FFYs 2007 - 2010 TIP**

<b>Section 5309</b>		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Blue Line	Blue Line Modernization	\$21,600,000	\$5,400,000	\$27,000,000
Red Line	Red Line Number 2 Car Overhaul	\$14,190,124	\$3,547,531	\$17,737,655
Systemwide	Kawasaki Coaches	\$1,600,000	\$400,000	\$2,000,000
Systemwide	Locomotive and Coach Procurement	\$33,295,500	\$8,323,875	\$41,619,375
<i>Section 5309 Infrastructure Program</i>				
Red Line	Columbia Junction	\$10,400,000	\$2,600,000	\$13,000,000
Systemwide	Power Improvements	\$7,080,000	\$1,770,000	\$8,850,000
Systemwide	Bridge and Tunnel Program	\$4,800,000	\$1,200,000	\$6,000,000
<b>Section 5309 MBTA Match Total</b>		<b>\$92,965,624</b>	<b>\$23,241,406</b>	<b>\$116,207,030</b>

<b>Section 5309 Omnibus Earmarks 2008</b>		<i>Federal Funds</i>	<i>Funds</i>	<i>Total Funds</i>
Salem/Beverly	Intermodal Station Improvements (Salem/Beverly)	\$783,750	\$156,750	\$940,500
Blue Line	Wonderland Station Intermodal Transit Improvements (Revere, MA)	\$950,000	\$190,000	\$1,140,000
<b>Section 5309 Omnibus Earmarks Total</b>		<b>\$1,733,750</b>	<b>\$346,750</b>	<b>\$2,080,500</b>

<b>Section 5307 (Carryover)</b>		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Bus	Everett Maintenance Facility	\$6,400,000	\$1,600,000	\$8,000,000
Systemwide	Redundant Operations Control Center	\$8,652,318	\$2,163,080	\$10,815,398
<b>Section 5307 Carryover MBTA Match Total</b>		<b>\$15,052,318</b>	<b>\$3,763,080</b>	<b>\$18,815,398</b>

<b>Section 5309 (Carryover Earmarked Funds)</b>		<i>Federal Funds</i>	<i>Funds</i>	<i>Total Funds</i>
Beverly/Salem	Beverly/Salem Intermodal Center	\$1,146,400	\$286,600	\$1,433,000
Blue Line/North Shore	Feasibility Study for Blue Line Extension to Lynn	\$3,136,160	\$784,040	\$3,920,200
Salem	Beverly/Salem Intermodal Center	\$973,371	\$243,343	\$1,216,714
Beverly	Beverly/Salem Intermodal Center	\$973,371	\$243,343	\$1,216,714
Quincy	Quincy Catamaran	\$973,371	\$243,343	\$1,216,714
Revere	Wonderland Station	\$876,034	\$219,009	\$1,095,043
Red Line	Red Line Number 2 Car Overhaul	\$2,678,793	\$669,698	\$3,348,491
Systemwide	Power Improvements	\$4,000,000	\$1,000,000	\$5,000,000
Systemwide	Bridge and Tunnel Program	\$11,124,000	\$2,781,000	\$13,905,000
Systemwide	Positive Train Control	\$800,000	\$200,000	\$1,000,000
Boston	Commonwealth Ave	\$525,280	\$131,320	\$656,600
Boston	Improvements at Harbor Islands Park	\$217,360	\$54,340	\$271,700
Hingham	Hingham Intermodal Center	\$3,756,172	\$939,043	\$4,695,215
Commuter Rail	Auburndale Station	\$1,264,000	\$316,000	\$1,580,000

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**Amendment Four**  
**FFY 2009 Element of the FFYs 2007 - 2010 TIP**

<b>Section 5309 (Carryover Earmarked Funds) cont.</b>		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	<i>previous amount/notes</i>
Commuter Rail	Rockport Improvements	\$1,338,386	\$334,596	\$1,672,982	
Commuter Rail	Fitchburg Line Improvements	\$6,272,160	\$1,568,040	\$7,840,200	
Medford	Medford Downtown Parking	\$973,371	\$243,343	\$1,216,714	
Melrose	Commuter Rail Station Improvement	\$686,000	\$171,500	\$857,500	
Ferry	Vessel Procurement, Engine Overhaul and Improvements at Quincy	\$5,980,000	\$1,495,000	\$7,475,000	
Woburn	Woburn Park & Ride Facility	\$1,439,840	\$359,960	\$1,799,800	\$1,095,043
<b>Section 5309 MBTA Various Match Total</b>		<b>\$49,134,070</b>	<b>\$12,283,517</b>	<b>\$61,417,587</b>	
<b>FEDERAL-AID American Recovery and Reinvestment Act of 2009</b>					
<b>MBTA 5307 Urban Formula</b>		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	<i>previous amount/notes</i>
The RIDE	Vehicle Procurement (up to 108 vans)	\$5,500,000		\$5,500,000	
Systemwide	Track and Right of Way Improvements	\$3,800,000		\$3,800,000	
Systemwide	Rolling Stock (Buses)	\$30,700,000		\$30,700,000	
Commuter Rail	Double Track Initiative (Fitchburg and Haverhill Lines)	\$39,810,000		\$39,810,000	
Systemwide	Station Upgrade Program	\$21,703,250		\$21,703,250	
Systemwide	Facility Upgrade Program	\$14,636,188		\$14,636,188	\$13,676,000
Bus	Bus Stop and Corridor Enhancements (including Bus 23 and Silver Line)	\$10,325,000		\$10,325,000	\$9,525,000
<b>MBTA 5307 Urban Formula ARRA Funds Total</b>		<b>\$126,474,438</b>		<b>\$126,474,438</b>	
<b>MBTA 5309 Fixed Guide way</b>					
Commuter Rail	Double Track Initiative (Fitchburg and Haverhill Lines)	\$10,000,000		\$10,000,000	
Commuter Rail	Bridge Program (Drawbridge Repairs)	\$3,000,000		\$3,000,000	
Systemwide	Station Upgrade Program	\$12,918,000		\$12,918,000	
Commuter Rail	Signal and Grade Crossing Improvements (Fitchburg and Haverhill Lines)	\$17,595,648		\$17,595,648	\$17,397,000
Systemwide	Facility Upgrade Program	\$8,000,000		\$8,000,000	
<b>MBTA 5309 - Fixed Guide way ARRA Funds Total</b>		<b>\$51,513,648</b>		<b>\$51,513,648</b>	
<b>MBTA ARRA Funds Total</b>		<b>\$177,988,086</b>		<b>\$177,988,086</b>	
<b>MetroWest Regional Transit System</b>					
Systemwide	Vehicle and Equipment Procurement	\$750,000		\$750,000	
<b>MWRTA ARRA Funds Total</b>		<b>\$750,000</b>		<b>\$750,000</b>	
<b>Cape Ann Transportation Authority</b>					
Systemwide	Bus and Equipment Procurement	\$676,170		\$676,170	
<b>CATA ARRA Funds Total</b>		<b>\$676,170</b>		<b>\$676,170</b>	
<b>Federal-Aid Subtotal</b>		<b>\$475,868,010</b>			
<b>Federal-Aid Various Matching Funds Subtotal</b>			<b>\$12,471,233</b>		
<b>Federal-Aid MBTA Matching Funds Subtotal</b>				<b>\$61,565,310</b>	
<b>FFY 2009 Regional Transit Funds Total</b>				<b>\$551,677,474</b>	
<b>FFY 2009 TIP Total</b>				<b>\$1,156,268,118</b>	

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009  
 MBTA PROJECTS INCLUDED IN BOSTON MPO TIP  
 COMPARISON OF 5/14/09 TIP AMENDMENT WITH CURRENT PROGRAMMING NEEDS (AS OF 6/10/09)  
**PHASE 1 ONLY - OBLIGATION OF FEDERAL FUNDS WITHIN 180 DAYS**

Project Description	By Program - Amended 5/14/09			By Program - as of 5/26/09			Comments (Adjustments as of 6/10/09)
	5307/5340 Urban Formula	5309 - Fixed Guideway	Total Phase 1 ARRA Funds	5307/5340 Urban Formula	5309 - Fixed Guideway	Total Phase 1 ARRA Funds	
Commuter Rail Rolling Stock		\$0	\$0		\$0	\$0	
Rolling Stock - Buses	\$30,700,000		\$30,700,000	\$30,700,000		\$30,700,000	
The RIDE - Vehicle Procurement	\$5,500,000		\$5,500,000	\$5,500,000		\$5,500,000	
Track and Right of Way Improvement Program	\$3,800,000		\$3,800,000	\$3,800,000		\$3,800,000	
Signal and Grade Crossing Improvement Program	\$0	\$17,397,000	\$17,397,000	\$0	\$17,595,648	\$17,595,648	Increased \$198,648 for Haverhill Signal work funding; (Budget breakdown is now \$10.185M for Fitchburg interlocking and \$7.212M of Haverhill signal work - both previously shifted to 5309. )
Commuter Rail Double Track Initiative	\$39,810,000	\$10,000,000	\$49,810,000	\$39,810,000	\$10,000,000	\$49,810,000	
MBTA Station Upgrade Program	\$21,703,250	\$12,918,000	\$34,621,250	\$21,703,250	\$12,918,000	\$34,621,250	
Positive Train Control - Light Rail Pilot Program	\$0		\$0	\$0		\$0	
MBTA Facility Upgrade Program	\$13,676,000	\$8,000,000	\$21,676,000	\$14,636,188	\$8,000,000	\$22,636,188	\$14.6M for bus facility rehab. and improvements within 5307 - increased by \$960K to reflect oversight costs and Southamptton garage improvements for 25 buses. \$8.0M for CR facility upgrades within 5309.
Commuter Rail - Bridge Program		\$3,000,000	\$3,000,000		\$3,000,000	\$3,000,000	
S. Boston Gas Turbine Repl. And Fuel Conversion (Engr & Design)	\$0		\$0	\$0		\$0	
Bus Service and Customer Enhancements	\$9,525,000		\$9,525,000	\$10,325,000		\$10,325,000	\$7.8M for various bus stop and corridor enhancements, including Bus Route 23. \$1.7M for Silver Line service to South Station, plus addition of \$0.8M for related Essex Street pedestrian curb cut reconstruction work.
	<b>\$124,714,250</b>	<b>\$51,315,000</b>	<b>\$176,029,250</b>	<b>\$126,474,438</b>	<b>\$51,513,648</b>	<b>\$177,988,086</b>	

Note:

This initial "phase 1" list includes only projects for which Federal funds can be obligated within 180 days. . The remaining funds will be subject to future TIP amendment.

## **TransitWorks CMAQ Project Synopsis**

### **TransitWorks**

Founded in 1997, *TransitWorks* is a non-profit transportation research organization. A collaboration of the MBTA Advisory Board, A Better City, and A Better City TMA, *TransitWorks* has strived to increase the usage and improve the quality of public transit. With this goal in mind, *TransitWorks* has conducted innovative research that both measures and engages the public in the public transit process. The major benchmark projects of the organization have been the Biennial Ridership Survey and the Transit Diary Study. *TransitWorks* has also completed smaller MBTA service and program evaluations that have been crucial to the advanced measurement and improvement of the system. *TransitWorks* has continued to fulfill its organizational mission through a scientific, research-based approach that consistently delivers actionable results for use by transportation authorities in the Boston Metropolitan Region.

The Biennial Ridership Survey is a statistically significant snapshot of customer satisfaction system-wide that is performed every other year. The survey employs a random digit dialing sampling method to produce statistically significant data on rider attitudes and satisfaction system-wide. The survey has been performed every other year since 2006.

The Transit Diary Study is a first-person diary recording program designed to solicit customer satisfaction feedback related to specific MBTA riding experiences. This study generates a rich data set to complement the Biennial Ridership Surveys. The diary study has been conducted every other year since 2005.

Building upon these innovative and comprehensive transit evaluations, *TransitWorks* is preparing to enter the next phase of rider assessments. To address the gap between the public and public transit, upcoming projects will evaluate existing rider perceptions, behaviors, and usages to create improved transit user evaluation models that will allow the riding public to participate in the transit planning process in an interactive and meaningful way. Utilizing the breadth of knowledge collected over the last several years of ridership research, *TransitWorks* is proposing:

### **Transit Profiles: Measuring the Experiences of Riders and Non-Riders (\$30,000)**

In an effort to address the needs and concerns of riders and non-riders alike, *TransitWorks* will conduct two telephone surveys. The first survey will utilize Random Digit Dialing to obtain a representative sample of the Boston Metropolitan region. This survey will detail transit usage, satisfaction, and preferences of riders. The second survey will also utilize Random Digit Dialing but will focus on obtaining a sample of non-riders in the Boston metro region. This survey will identify the primary reasons that individuals do not use public transit and will evaluate possible ways to persuade non-riders to alter their transportation habits to include mass transit. Taken together, these surveys will address the system as a whole – the ways in which it is successful and the ways in which it could be more successful. It is extremely important that we gain an understanding of rider evaluations of the system and it is particularly important to gain an understanding of the factors that keep people from using public transit. These are unique measures that have not been utilized before. As such, these surveys will provide a crucial understanding that cannot otherwise be accessed. Because environmental and financial concerns anticipate a future in which mass transit will be increasingly important, it is essential to gain an insight into how people can be encouraged to incorporate public transit usage into their lives.

### **Between the Lines: The Transit Experience (\$20,000)**

Building upon the successes of similar transit rider-tracking models used by *TransitWorks*, the *Between the Lines* project will create an online module for riders to track and record their transit experiences

during a month-long period of time. This project will result in rich, descriptive data that will provide a clear picture of the day-to-day riding experience of transit users. This type of data is unique because, instead of providing a single snapshot of the user experience, the *Between the Lines* will provide longitudinal data that captures the patterns and daily experiences of riders. In addition to creating this online evaluation application, *TransitWorks* will also utilize social networking and micro-blogging technology to further gather information. The project will also use these innovative technologies to disseminate research results and other transit information. Utilizing these technologies will be an innovative step forward in communicating with the transit-riding public. In a world in which people use the Internet for much of their information, it is important that ridership measures and communicative practices evolve to fit the lifestyles of users. This unique and innovative project will be a step forward in measuring rider experiences and communicating with the public in the transit process. This effort will go far toward educating community members about the connection between transportation mode choices and traffic congestion and air quality.

## Staff Recommendation 2010 Element of the FFYs 2010 - 2013 TIP

Indicates a change in project cost

Indicates removed from TIP (cost not reflected in total)

Indicates a project moved in from another TIP element

Indicates a project moved out to another TIP element (cost not reflected in total)

Indicates a new addition to the TIP (action taken as denoted)

Indicates a new funding category

### Regional Highway Program

#### FEDERAL-AID TARGET PROJECTS

##### Congestion Mitigation and Air Quality Improvement Program

			Federal Funds	State Funds	Total Funds	
Bellingham	602493	Pulaski Blvd	\$1,600,000	\$400,000	\$2,000,000	
Boston	604761	South Bay Harbor Trail (construction)	\$3,080,000	\$770,000	\$3,850,000	
Boston	601274	Tremont Street , Phase 1	\$1,164,800	\$291,200	\$1,456,000	move to 2011
Somerville	604331	Somerville Community Path, Phase 1	\$2,790,089	\$697,522	\$3,487,611	\$2,528,280
Weymouth	114906	Route 53 (Washington Street)/Middle Street	\$1,820,656	\$455,164	\$2,275,820	\$1,750,000
			Federal Funds	State/Local Funds	Total Funds	
Boston Region		Regionwide CMAQ Program	\$2,000,000	\$500,000	\$2,500,000	
		<b>Congestion Mitigation and Air Quality Improvement Program Total</b>	<b>\$12,455,545</b>	<b>\$3,113,886</b>	<b>\$14,113,431</b>	
				CMAQ Regional Target	\$8,593,420	

##### National Highway System

			Federal Funds	State Funds	Total Funds	
Canton, Randolph & Westwood	87800	Route 128 Improvement Program Contract 3, Year Four of Six	\$5,600,000	\$1,400,000	\$7,000,000	\$4,630,368
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4, Year Two of Six	\$8,000,000	\$2,000,000	\$10,000,000	\$6,073,682
Needham & Wellesley	603711	Route 128 Improvement Program Contract 5, Year One of Six			\$5,048,780	contract not ready until 2012
		<b>National Highway System Total</b>	<b>\$13,600,000</b>	<b>\$3,400,000</b>	<b>\$17,000,000</b>	

##### Surface Transportation Program

			Federal Funds	State Funds	Total Funds	
Arlington	604687	Massachusetts Ave	\$0	\$0	\$2,650,000	to 2011
Bellingham	602493	Pulaski Blvd	\$8,805,208	\$2,201,302	\$11,006,510	\$7,500,000
Boston	601274	Tremont Street , Phase 1	\$595,200	\$148,800	\$744,000	moved to 2011
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62	\$7,480,000	\$1,870,000	\$9,350,000	\$3,000,000
Lexington	602133	Intersection Improvements at Route 2A and Waltham St	\$1,289,560	\$322,390	\$1,611,950	moved from 2011, was \$1M
Everett	602382	Route 99 (Broadway)	\$1,947,312	\$486,828	\$2,434,140	\$2,161,720
Norwood	604916	Pleasant St at Morse St	\$738,496	\$184,624	\$923,120	\$600,000
Somerville	601820	Beacon Street	\$1,055,752	\$263,938	\$1,319,690	moved in from 2011
Weymouth	601630	Route 18	\$0	\$0	\$10,700,000	to 2012
		<b>Surface Transportation Program Total</b>	<b>\$20,855,776</b>	<b>\$5,213,944</b>	<b>\$26,645,410</b>	

## Staff Recommendation 2010 Element of the FFYs 2010 - 2013 TIP

*Indicates a change in project cost*

### Highway Safety Improvement Program (HSIP) Project

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62	\$3,437,368	\$859,342	\$4,296,710
<b>Highway Safety Improvement Program Total</b>			<b>\$3,437,368</b>	<b>\$859,342</b>	<b>\$4,296,710</b>
			<i>HSIP Regional Target</i>		\$4,296,710

### Surface Transportation Program/Enhancement

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Ipswich		North Green Improvements (Construction)	\$860,988	\$215,247	\$1,076,235
<b>Surface Transportation Program/Enhancement Total</b>			<b>\$860,988</b>	<b>\$215,247</b>	<b>\$1,076,235</b>

\$721,590

**Total Regional Target Programming** \$63,131,786  
**Boston Region MPO Regional Target with State Match** \$63,052,580

*programming less target*  
-\$79,206

### FEDERAL-AID BRIDGE PROJECTS

Bridge			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Framingham	602839	Central St over the Sudbury River			\$1,800,000
Framingham	604013	Fountain Street over MBTA and CSX	\$3,120,000	\$780,000	\$3,900,000
Hudson	604006	Houghton St over Assabet River	\$2,033,058	\$508,264	\$2,541,322
Wayland	602723	Pelham Island Road over the Sudbury River	\$4,333,046	\$1,083,261	\$5,416,307
Woburn	603308	Salem St over the MBTA			\$1,657,213
<b>Major Bridge Total</b>			<b>\$9,486,103</b>	<b>\$2,371,526</b>	<b>\$11,857,629</b>

moved from 2009

\$4,791,348

### Advance Construction Bridge

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston	604517	Chelsea Street Bridge	\$9,200,000	\$2,300,000	\$11,500,000
Boston	603370	Route 99 (Alford Street) over Mystic River	\$7,200,000	\$1,800,000	\$9,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4	\$12,400,000	\$3,100,000	\$15,500,000
Lynn & Saugus	26710	Route 107 (Fox Hill) Bridge, Year Four	\$6,880,000	\$1,720,000	\$8,600,000
<b>Advance Construction Bridge Total</b>			<b>\$35,680,000</b>	<b>\$8,920,000</b>	<b>\$44,600,000</b>
			<b>Federal-Aid Bridge Total</b>		<b>\$56,457,629</b>

\$16,500,000

\$8,000,000

\$10,000,000

### Special Bridge Funds

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Maynard	603658	Route 27 over Assabet River	\$3,392,120	\$848,030	\$4,240,150
Littleton	604841	I-495 over Route 2	\$18,240,000	\$4,560,000	\$22,800,000
<b>Special Bridge Funds Total</b>			<b>\$21,632,120</b>	<b>\$5,408,030</b>	<b>\$27,040,150</b>
			<b>Federal-Aid Bridge Total</b>		<b>\$83,497,779</b>

## Staff Recommendation 2010 Element of the FFYs 2010 - 2013 TIP

*Indicates a change in project cost*

### **FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES**

<b>Interstate Maintenance</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston/Savin Hill/CA/T	Interstate 93			\$1,708,000
Waltham	Interstate 95	\$4,401,760	\$17,607,040	\$22,008,800
<b>Interstate Maintenance Total</b>		<b>\$4,401,760</b>	<b>\$17,607,040</b>	<b>\$22,008,800</b>

<b>National Highway System Pavement Preservation</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Lexington	Route 2A	\$2,635,200	\$658,800	\$3,294,000
Middletown/Danvers	Route 114	\$2,342,400	\$585,600	\$2,928,000
Danvers/Peabody	605383 Route 114	\$1,346,880	\$336,720	\$1,683,600
<b>National Highway System Pavement Preservation Total</b>		<b>\$1,346,880</b>	<b>\$336,720</b>	<b>\$1,683,600</b>

### **FEDERAL AID NON-TARGET PROJECTS**

<b>High-Priority Projects (TEA-21)</b>		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston	Huntington Ave/Symphony Area Streetscape Construction (HPP 447)	\$2,140,232	\$535,058	\$2,675,290
Boston	Huntington Ave/Symphony Area Streetscape Construction (HPP 1811)	\$820,080	\$205,020	\$1,025,100

<b>High-Priority Projects (SAFETEA-LU)</b>		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston	Warren St/Blue Hill Ave Construction (HPP 2129)	\$2,153,997	\$538,499	\$2,692,496
Boston	Melnea Cass Blvd Construction (HPP 756)	\$1,938,598	\$484,650	\$2,423,248
Boston	Melnea Cass Blvd Construction (HPP 4284)	\$4,005,900	\$1,001,475	\$5,007,375
Hudson & Stow	604531 Assabet River Rail Trail (Design) (HPP 1761)	\$261,000	\$65,250	\$326,250
Somerville	604331 Somerville Community Path, Phase 1 Construction (HPP 2782)	\$807,750	\$201,938	\$1,009,688
Somerville	601820 Beacon Street Construction (HPP 431)	\$2,064,248	\$516,062	\$2,580,310
Walpole	605187 Washington St Design Construction (HPP 2431)	\$1,130,848	\$282,712	\$1,413,560
<b>High-Priority Projects Total</b>		<b>\$19,153,317</b>		
<b>Total Federal-Aid Highway Program</b>				<b>\$162,435,132</b>

was in 2010

### **NON FEDERAL-AID TARGET PROJECTS**

<b>Non Federal Aid Bridge</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Lexington	603722 Route 2A (Marrett Road) over I95		\$21,087,700	\$21,087,700
<b>Non Federal Aid Bridge Total</b>			<b>\$21,087,700</b>	
<b>Total Highway Program</b>				<b>\$183,522,832</b>

moved to 2011 federal aid

**Staff Recommendation  
FFY 2011 Element of the FFYs 2010 - 2013 TIP**

Indicates a change in project cost
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Indicates a new funding category

**Regional Highway Program**

**FEDERAL-AID TARGET PROJECTS**

<b>Congestion Mitigation and Air Quality Improvement Program</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Arlington, Somerville, Cambridge		Minuteman Bikeway Connector	\$2,400,000	\$600,000	\$3,000,000
Boston	601274	Tremont Street , Phase 1	\$1,164,800	\$291,200	\$1,456,000
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$8,000,000	\$2,000,000	\$10,000,000
			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston Region		Regionwide CMAQ Program	\$2,000,000	\$500,000	\$2,500,000
		<b>Congestion Mitigation and Air Quality Improvement Program Total</b>	<b>\$13,564,800</b>	<b>\$3,391,200</b>	<b>\$16,956,000</b>
				<i>CMAQ Regional Target</i>	\$8,593,420

<b>National Highway System</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Canton, Randolph & Westwood	087800	Route 128 Improvement Program Contract 3, Year Five of Six	\$4,800,000	\$1,200,000	\$6,000,000	\$9,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4, Year Three of Six	\$9,600,000	\$2,400,000	\$12,000,000	\$8,000,000
Needham & Wellesley	603711	Route 128 Improvement Program Contract 5, Year Two of Six			\$10,527,000	
		<b>National Highway System Total</b>	<b>\$14,400,000</b>	<b>\$3,600,000</b>	<b>\$18,000,000</b>	

<b>Surface Transportation Program</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Arlington	604687	Massachusetts Ave	\$2,120,000	\$530,000	\$2,650,000	moved from 2010
Boston	601274	Tremont Street , Phase 1	\$595,200	\$148,800	\$744,000	moved from 2010
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$3,751,085	\$937,771	\$4,688,856	
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62	\$9,468,232	\$2,367,058	\$11,835,290	
Lynn	604645	Intersection Improvements (Lynnfield at Millard)	\$661,792	\$165,448	\$827,240	
		<b>Surface Transportation Program Total</b>	<b>\$13,219,317</b>	<b>\$3,304,829</b>	<b>\$20,745,386</b>	

<b>Highway Safety Improvement Program (HSIP) Project</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$3,437,368	\$859,342	\$4,296,710
		<b>Highway Safety Improvement Program Total</b>	<b>\$3,437,368</b>	<b>\$859,342</b>	<b>\$4,296,710</b>
				<i>HSIP Regional Target</i>	\$4,296,710

**Total Regional Target Programming**      **\$59,998,096**      *programming less target*  
*\*Boston Region MPO Regional Target with State Match*      **\$59,732,370**      **-\$265,726**

\*Boston Region MPO Target minus AC projects and ongoing programs is then actualized by 4% for 2010 and 2011

state target	\$59,897,183 less AC and programs	\$4,120,327
less AC/programs actualized by * 1.04*1.04	\$4,285,140 actualization/non - act	\$164,813
state target less difference (new target)	\$59,732,370	

**Staff Recommendation  
FFY 2011 Element of the FFYs 2010 - 2013 TIP**

*Indicates a change in project cost*

**FEDERAL-AID BRIDGE PROJECTS**

Bridge			Federal Funds	State Funds	Total Funds
Lexington	603722	Route 2A over Route 128	\$16,870,160	\$4,217,540	\$21,087,700

**Bridge Total**

Advance Construction Bridge			Federal Funds	State Funds	Total Funds	
Boston	604517	Chelsea Street Bridge	\$8,000,000	\$2,000,000	\$10,000,000	\$16,000,000
Boston	603370	Route 99 (Alford Street) over Mystic River	\$12,000,000	\$3,000,000	\$15,000,000	\$8,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4	\$3,600,000	\$900,000	\$4,500,000	\$10,000,000
Lynn & Saugus	26710	Route 107 (Fox Hill) Bridge, Year Five	\$3,200,000	\$800,000	\$4,000,000	
Needham, Wellesley	603711	Route 128 Improvement Program	\$800,000	\$200,000	\$1,000,000	
<b>Advance Construction Bridge Total</b>			<b>\$26,800,000</b>	<b>\$6,700,000</b>	<b>\$33,500,000</b>	
			<b>Federal-Aid Bridge Total</b>			

**FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES**

Interstate Maintenance			Federal Funds	State Funds	Total Funds	
Canton		Interstate 95	\$3,381,840	\$375,760	\$3,757,600	
Boston/Somerville		Interstate 93	\$8,107,632	\$900,848	\$9,008,480	
North Attleboro/Sharon	604576	Interstate 95	\$11,081,016	\$1,231,224	\$12,312,240	
Burlington		Interstate 95	\$8,784,000	\$976,000	\$9,760,000	
Woburn/Wilmington		Interstate 93	\$9,275,904	\$1,030,656	\$10,306,560	
Walpole/Norwood/Sharon/Canton	605590	Interstate 95	\$5,253,930	\$583,770	\$5,837,700	\$3,396,480
<b>Interstate Maintenance Total</b>			<b>\$23,313,834</b>	<b>\$2,590,426</b>	<b>\$25,904,260</b>	

National Highway System Pavement Preservation			Federal Funds	State Funds	Total Funds
Concord		Route 2	\$2,971,920	\$742,980	\$3,714,900
Acton		Route 2	\$4,245,600	\$1,061,400	\$5,307,000
<b>National Highway System Pavement Preservation Total</b>			<b>\$4,245,600</b>	<b>\$1,061,400</b>	<b>\$5,307,000</b>

High-Priority Projects (SAFETEA-LU)			Federal Funds	State/Local Funds	Total Funds	
Arlington	604687	Massachusetts Ave Construction (HPP 47)	\$1,157,597	\$289,399	\$1,446,996	from 2010

**High-Priority Project (SAFETEA-LU) Other Match**

Section 129			Federal Funds	Other Funds	Total Funds	
Arlington	604687	Massachusetts Ave Construction	\$750,000		\$750,000	from 2010
<b>High-Priority Projects Total</b>			<b>\$2,196,996</b>			
<b>Total Highway Program</b>			<b>\$93,406,352</b>			

## Staff Recommendation FFY 2012 Element of the FFYs 2010 - 2013 TIP

Indicates a change in project cost

Indicates removed from TIP (cost not reflected in total)

Indicates a project moved in from another TIP element

Indicates a project moved out to another TIP element (cost not reflected in total)

Indicates a new addition to the TIP (action taken as denoted)

Indicates a new funding category

### Regional Highway Program

#### FEDERAL-AID TARGET PROJECTS

##### Congestion Mitigation and Air Quality Improvement Program

		Federal Funds	State/Local Funds	Total Funds	
Boston Region	Regionwide CMAQ Program	\$2,000,000	\$500,000	\$2,500,000	
	<b>Congestion Mitigation and Air Quality Improvement Program Total</b>	<b>\$2,000,000</b>	<b>\$500,000</b>	<b>\$2,500,000</b>	
			<i>CMAQ Regional Target</i>	\$8,593,420	

##### National Highway System

		Federal Funds	State Funds	Total Funds	
Canton, Randolph & Westwood	087800 Route 128 Improvement Program Contract 3, Year Six of Six	\$4,800,000	\$1,200,000	\$6,000,000	\$5,150,243
Dedham, Needham & Westwood	603206 Route 128 Improvement Program Contract 4, Year Four of Six	\$9,600,000	\$2,400,000	\$12,000,000	\$13,926,318
Needham & Wellesley	603711 Route 128 Improvement Program Contract 5, Year One of Six	\$9,600,000	\$2,400,000	\$12,000,000	\$12,424,220
	<b>National Highway System Total</b>	<b>\$24,000,000</b>	<b>\$6,000,000</b>	<b>\$30,000,000</b>	

##### Surface Transportation Program

		Federal Funds	State Funds	Total Funds	
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$8,800,000	\$2,200,000	\$11,000,000	from 2010
Somerville	Magon Square			\$3,100,000	ARRA funded
Weymouth	601630 Route 18	\$3,437,368	\$859,342	\$10,700,000	from 2010
	<b>Surface Transportation Program Total</b>	<b>\$8,800,000</b>	<b>\$2,200,000</b>	<b>\$21,700,000</b>	

##### Highway Safety Improvement Program (HSIP) Project

		Federal Funds	State Funds	Total Funds	
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$3,437,368	\$859,342	\$4,296,710	
	<b>Highway Safety Improvement Program Total</b>	<b>\$3,437,368</b>	<b>\$859,342</b>	<b>\$4,296,710</b>	
			<i>HSIP Regional Target</i>	\$4,296,710	

##### Surface Transportation Program/Enhancement

		Federal Funds	State Funds	Total Funds	
Cambridge	605188 Cambridge Common (Construction)	\$800,000	\$200,000	\$1,000,000	
	<b>Surface Transportation Program/Enhancement Total</b>	<b>\$800,000</b>	<b>\$200,000</b>	<b>\$1,000,000</b>	

**Total Regional Target Programming** **\$58,496,710**

*\*Boston Region MPO Regional Target with State Match* **\$58,714,946**

*programming less target*  
**\$218,236**

\*Boston Region MPO Target minus AC projects and ongoing programs is then actualized by 4% for 2010, 2011 and 2012

\*\* Projects first year as AC \$59,685,033 less AC and programs \$11,888,323

less AC/programs actualized by \* 1.04\*1.04\*1.04 \$12,858,410 actualization/non - act \$970,087

state target less difference (new target) \$58,714,946

**Staff Recommendation  
FFY 2012 Element of the FFYs 2010 - 2013 TIP**

*Indicates a change in project cost*

**FEDERAL-AID BRIDGE PROJECTS**

<b>Bridge</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Framingham	602839	Central St over Sudbury River	\$1,440,000	\$360,000	\$1,800,000	
<b>Bridge Total</b>			<b>\$1,440,000</b>	<b>\$360,000</b>	<b>\$1,800,000</b>	
<b>Advance Construction Bridge</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Boston	604517	Chelsea Street Bridge	\$8,800,000	\$2,200,000	\$11,000,000	\$16,000,000
Boston	603370	Route 99 (Alford Street) over Mystic River	\$12,000,000	\$3,000,000	\$15,000,000	\$8,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4	\$8,000,000	\$2,000,000	\$10,000,000	
Needham, Wellesley	603711	Route 128 Improvement Program Contract 5	\$4,000,000	\$1,000,000	\$5,000,000	\$10,000,000
<b>Advance Construction Bridge Total</b>			<b>\$32,800,000</b>	<b>\$8,200,000</b>	<b>\$41,000,000</b>	
<b>Federal-Aid Bridge Total</b>			<b>\$32,800,000</b>	<b>\$8,200,000</b>	<b>\$41,000,000</b>	

**FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES**

<b>Interstate Maintenance</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Lynnfield/Wakefield		Interstate 95	\$10,387,080	\$1,154,120	\$11,541,200	
Foxborough/Sharon		Interstate 95	\$15,846,336	\$1,760,704	\$17,607,040	
Woburn/Wilmington		Interstate 93	\$11,660,760	\$1,295,640	\$12,956,400	
<b>Interstate Maintenance Total</b>			<b>\$37,894,176</b>	<b>\$4,210,464</b>	<b>\$42,104,640</b>	

<b>National Highway System Pavement Preservation</b>			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Framingham		Route 126	\$1,249,280	\$312,320	\$1,561,600	
Dedham		Route 109	\$1,171,200	\$292,800	\$1,464,000	\$976,000
Randolph		Route 24	\$1,249,280	\$312,320	\$1,561,600	
Weymouth		Route 3	\$2,576,640	\$644,160	\$3,220,800	\$1,952,000
<b>National Highway System Pavement Preservation Total</b>			<b>\$3,747,840</b>	<b>\$936,960</b>	<b>\$4,684,800</b>	

**FEDERAL AID NON-TARGET PROJECTS**

**High-Priority Projects Total  
Total Highway Program \$146,286,150**

## Staff Recommendation FFY 2013 Element of the FFYs 2010 - 2013 TIP

### *Regional Highway Program*

#### **FEDERAL-AID TARGET PROJECTS**

<b>Congestion Mitigation and Air Quality Improvement Program</b>		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston Region	Regionwide CMAQ Program	\$2,000,000	\$500,000	\$2,500,000
<b>Congestion Mitigation and Air Quality Improvement Program Total</b>		<b>\$2,000,000</b>	<b>\$500,000</b>	<b>\$2,500,000</b>
				<i>CMAQ Regional Target</i>
				\$8,593,420

<b>National Highway System</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Dedham, Needham & Westwood	603206 Route 128 Improvement Program Contract 4, Year Five of Six	\$9,600,000	\$2,400,000	\$12,000,000
Needham & Wellesley	603711 Route 128 Improvement Program Contract 5, Year Four of Six	\$12,000,000	\$3,000,000	\$15,000,000
<b>National Highway System Total</b>		<b>\$21,600,000</b>	<b>\$5,400,000</b>	<b>\$27,000,000</b>

<b>Surface Transportation Program</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$12,562,632	\$3,140,658	\$15,703,290
Hanover	602602 Route 53 Reconstruction	\$680,000	\$170,000	\$850,000
Hudson	604812 Washington St (Route 85)	\$6,480,000	\$1,620,000	\$8,100,000
<b>Surface Transportation Program Total</b>		<b>\$19,722,632</b>	<b>\$4,930,658</b>	<b>\$24,653,290</b>

<b>Highway Safety Improvement Program (HSIP) Project</b>		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$3,437,368	\$859,342	\$4,296,710
<b>Highway Safety Improvement Program Total</b>		<b>\$3,437,368</b>	<b>\$859,342</b>	<b>\$4,296,710</b>
				<i>HSIP Regional Target</i>
				\$4,296,710

**Total Regional Target Programming** **\$58,450,000**

*\*Boston Region MPO Regional Target with State Match* **\$58,413,289**

\*Boston Region MPO Target minus AC projects and ongoing programs is then actualized by 4% for 2010, 2011 and 2012

\*\* Projects first year as AC

	\$59,685,033	ess AC and programs	\$10,185,033
less AC/programs actualized by * 1.04*1.04*1.04	\$11,456,777	ctualization/non - act	\$1,271,744
state target less difference (new target)	\$58,413,289		

**Staff Recommendation  
FFY 2013 Element of the FFYs 2010 - 2013 TIP**

***FEDERAL-AID BRIDGE PROJECTS***

<b>Bridge</b>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
<b>Bridge Total</b>			
 <b>Advance Construction Bridge</b>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
<b>Advance Construction Bridge Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>Federal-Aid Bridge Total</b>		<b>\$0</b>

***FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES***

<b>Interstate Maintenance</b>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Lexington/Burlington                      Interstate 95	\$12,874,050	\$1,430,450	\$14,304,500
<b>Interstate Maintenance Total</b>	<b>\$12,874,050</b>	<b>\$1,430,450</b>	<b>\$14,304,500</b>
 <b>National Highway System Pavement Preservation</b>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Northborough/Marlborough              605610 Route 20	\$2,459,520	\$614,880	\$3,074,400
<b>National Highway System Pavement Preservation Total</b>	<b>\$2,459,520</b>	<b>\$614,880</b>	<b>\$3,074,400</b>

***FEDERAL AID NON-TARGET PROJECTS***

<b>High-Priority Projects (SAFETEA-LU)</b>	<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
<b>High-Priority Projects Total</b>			
	<b>Total Highway Program</b>		<b>\$75,828,900</b>