

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

August 19, 2010 Meeting

10:00 AM – 12:30 PM, State Transportation Building, Conference Rooms 2 & 3, 10 Park Plaza, Boston

David Mohler, Chair, representing Jeffrey Mullan, Secretary and Chief Executive Officer, Massachusetts Department of Transportation (MassDOT)

Decisions

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

- recommend that the MPO endorse the Federal Fiscal Years (FFYs) 2011 – 2014 Transportation Improvement Program (TIP) as amended
- approve the minutes of the meetings of June 24 and July 8
- approve the work program for the *2010 Freight Study – A Profile of Truck Impacts*
- recommend that the MPO endorse the FFY 2011 Unified Planning Work Program (UPWP) as amended

Meeting Agenda

1. Public Comments

Mayor Setti Warren, City of Newton, introduced himself to the Committee and expressed that he is looking forward to working with the MPO in the coming years. He also expressed his belief in the importance of investing in transportation for the region, as transportation provides the backbone for economic development. He stated that the City of Newton has formed a transportation advisory group that will examine what the city needs to be doing over the next ten years to ensure proper investment in transportation with connections to other communities.

Representative Will Brownsberger reported that the Town of Belmont is continuing to invest heavily in the *Belmont – Trapelo Road* project, and it is counting on the MPO for construction funding in the future.

Janet Adachi, Board of Selectmen for the Town of Acton, Carolyn Britt, Town of Maynard, and Don Rising, Town of Stow's representative on the Inter-municipal Steering Committee for the Assabet River Rail Trail, all spoke in support of the *Assabet River Rail Trail* project. C. Britt requested that the MPO program construction funds for the project in the FFYs 2011 – 2014 TIP. She noted that the municipal (Acton and Maynard) proponents exceeded the standard set by MassDOT for the project design by making it to the 20% design mark (rather than 10%). She also requested that the High Priority Project earmark for the project remain on the TIP so that the design can continue. D. Rising added that the Town of Stow purchased an easement on a two-mile section of the proposed trail that would connect to the section in Maynard. He requested that the MPO

include the Stow portion of the project in the design phase of the project and plan to fund construction.

Bill Renault, Town of Concord, and Dan Boynton, Town of Lincoln, thanked the MPO for continued support of the *Concord/Lincoln – Route 2 (Crosby's Corner)* project. B. Renault reported that the project is on schedule to be advertised next year.

Sue McQuaid, Neponset Valley Chamber of Commerce (NVCC), announced that she will be leaving her position at the NVCC. She expressed appreciation to the MPO for supporting projects in the NVCC's area and her pleasure working with the MPO and MPO staff. She introduced Tom O'Rourke, the incoming president of the NVCC.

Lynn Weissman, Friends of the Community Path, voiced appreciation to the MPO for programming funding for the *Somerville – Somerville Community Path, Phase 1* project in the TIP. She reported that the City of Somerville is submitting an application for a TIGER II grant this month. She also noted that the Friends are making a donation to the project and that a foundation has agreed to make a matching grant. The Friends have submitted 160 letters of support to the secretaries of the Executive Office of Energy and Environmental Affairs and MassDOT as part of the project's environmental review. She requested the MPO's continued support for the project.

Michelle Ciccolo, Town of Hudson and Minuteman Advisory Group on Inter-local Coordination (MAGIC), expressed thanks to the MPO for supporting projects in the MAGIC subregion and for the *Hudson – Route 85* project. She remarked upon the benefits that the Route 85 project will have in terms of economic development, safety, mobility for bicyclists and pedestrians, and air quality.

Jack Gillon, City of Quincy, reported on the *Quincy – Hancock Street at East and West Squantum Streets* project and asked for the MPO's support. He stated that it is the city's highest priority project and that the city has already made a financial commitment to it. The need for the project was identified from an MPO safety study. The city has received MassDOT Highway's comments on the 25% design and will submit responses tomorrow. He noted that the project is a safety project that includes bicycle and pedestrian accommodations, and will reduce traffic congestion and emissions. In response to a member's question, he stated that the project cost estimate is \$3 million. It is included in the state's bond bill, but not as a line item.

Bill Deignan, City of Cambridge, requested that the MPO program the *Cambridge – Cambridge Common* project in the FFY 2011 element of the TIP. He distributed information detailing the status of the project. (See attached.) He noted that the city has responded to MassDOT's comments and can move forward to the 25% design hearing. In response to a member's question, he stated that the Cambridge Historical Commission supports the project.

Ken Willette, Office of State Representative John Fernandes, and Bill Buckley and Michael Santora, Town of Milford, thanked the MPO for supporting the *Milford – Route*

16 Intersection Improvements project. They noted that Route 16 is a major regional route that provides access to Interstate 495. The project involves upgrading eight intersections by replacing signals and pedestrian ramps for access by people with disabilities. The need for the project was identified from an MPO study. The project will be ready for advertising by spring 2011. In response to members' questions, the proponents explained that the project cost estimate has increased to \$3.5 million; the scope of the project expanded because MassDOT advised upgrading to the latest accessibility codes.

Ginger Esty, Town of Framingham, stated that the MPO should take the opportunity today to discuss the bond bill given that many municipalities have the impression that projects in the bond bill have guaranteed funding. She explained that the Commonwealth is limited to spending under a bond cap. She noted that some municipalities have false hope about the timeframe in which they will receive funding.

D. Mohler explained further that even if a project is a line item in a bond bill, funding is not immediately guaranteed. Through a bond bill, the Commonwealth provides non-federal aid to match federal aid. The state legislature earmarks portions of the bill for specific projects. State agencies operate under a bond cap, which is determined by the Executive Office of Administration and Finance. Typically, transportation has a 50-60% share of the statewide bond cap, which amounts to about \$100-150 million per year. Generally, these funds are used to match federal aid (through the TIP) and pay for maintenance needs.

Brian Kane, MBTA Advisory Board, asked the chair to state the amount of backlog for projects necessary to maintain a state-of-good repair. D. Mohler stated that the state-of-good repair backlog for state highway projects is approximately \$600-800 million per year (not including municipal needs, just the needs of the Federal Aid System). Joe Cosgrove, MBTA, stated that the backlog for transit is about \$650 million per year.

Trish Domigan, Vanasse Hangen Brustlin, Inc. on behalf of the Town of Danvers, provided an update on the *Danvers – Liberty Street* project. She stated that the proponents are conducting value engineering to reduce the project cost. The cost is currently down to \$5.7 million from \$10 million. The town is willing to work with MassDOT to further reduce costs – down to about \$5.4 million – which is possible if MassDOT can adjust their design recommendations regarding improvements to an adjacent intersection. The project would replace crumbling culverts, one of which carries a water main that serves the City of Salem. Mary Pratt, Town of Hopkinton, advised the proponents that it may be better to implement MassDOT's recommendations on the intersection (which relate to ADA improvements) now.

Rick Clarke, Town of Ipswich, provided an update on the *Ipswich – Route 1A/ Route 133* project. He stated that the town received MassDOT's comments on the 25% design, and he verified that no land takings are required. The project cost estimate is \$2.6 million.

John Woodsmall, Town of Southborough, reported on the *Southborough – Main Street* project. He stated that the project is at the 25% design stage. He requested that the MPO

consider funding the project now or in the future. In response to a member's question regarding a historic wall on the project's right-of-way, he reported that the Board of Selectmen decided to move the wall to make room for the improvements. The town's historical commission is opposed to moving the wall.

State Representative James Cantwell expressed thanks for the MPO's support of the *Marshfield – Route 139* project, which is the priority transportation project in his district. He noted that the improvements will support the creation of about 900 jobs in the area.

2. Chair's Report – *David Mohler, MassDOT*

There was none.

3. Subcommittee Chairs' Reports

There were none.

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

The Advisory Council will meet next on September 15, at which time the Advisory Council election will take place.

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

The MPO has been complying with the new emergency regulations for the state's Open Meeting Law, which goes into effect on October 1, 2010, and requires regional bodies to file a meeting notice with each municipality in the region at least 48 hours prior to the meeting.

At the meeting of August 8, staff expressed concern about a provision of the law, which requires regional bodies to alert municipalities of meetings in the way prescribed by each municipality. Staff would like a more uniform approach for regional bodies and is requesting that e-mail be the standard for these communications. Members were provided with the draft comment letter signed by the MPO chair and sent to the Attorney General's Office.

6. Transportation Improvement Program – *Hayes Morrison, TIP Manager, MPO Staff*

Members were provided with draft TIP tables for the FFYs 2011 – 2014 TIP. (See attached.) H. Morrison described the changes that were made to the tables, first to projects that do not affect the MPO's target dollars and then to target-funded projects.

Non-target Funded Projects

There were changes to the year of programming for earmarked projects:

- the following earmarks moved from the FFY 2010 element to the FFY 2011 element because they will not be ready for obligation in FFY 2010:
 - *Boston – Northern Avenue Bridge Design*
 - *Boston – Rutherford Avenue Design*
 - *Boston – Sullivan Square, Phase 1 Design*

- *Boston – North Washington Street Bridge Design*
- *Somerville – I-93 Mystic Avenue Interchange Study*
- *Somerville – Union Square Improvements Study*
- *Walpole – Washington Street Construction*
- *Weymouth – Route 18 Design*
- *Winthrop – Winthrop Ferry Improvements Construction*
- a new earmark for the *Cambridge – Longfellow Bridge Gateway Improvements* was added in the FFY 2011 element
- an earmark for the *Boston – East Boston Haul Road Design* was removed from the TIP; the project will be funded by the Massachusetts Port Authority

No change of year will be needed for the earmark for the Acton to Stow portion of the *Assabet River Rail Trail* project. It will be obligated in FFY 2010.

Other changes include the following:

- an itemized list of Safe Routes to School Program projects was added to the FFY 2011 element
- an Urban Circulator Grant Program Award for the *Boston Bike Share Program* was added to the FFY 2011 element
- two Accelerated Bridge Program projects – the *Framingham – Winter Street over MBTA* project (in FFY 2011) and the *Peabody – Howley Street over the North River* project (in FFY 2014) – were removed from TIP; they will be funded with non-federal aid
- two Accelerated Bridge Program projects in the FFY 2011 element have changed in cost:
 - *Boston and Cambridge – Longfellow Bridge (Cambridge Street over the Charles River)* now costs \$281 million
 - *Quincy and Weymouth – Fore River Bridge (Route 3A over the Fore River)* now costs \$310 million
- two Accelerated Bridge Program projects have been added to the Accelerated Bridge Program in the FFY 2012 element
 - *Everett and Medford – Revere Beach Parkway (Route 16) over the Malden River*
 - *Medford – Revere Beach Parkway over MBTA* (\$8 million)

Members then made comments and asked questions:

Jim Gillooly, City of Boston, provided information regarding the High Priority Project earmark for the *Boston – Warren Street/Blue Hill Avenue Construction* project in the FFY 2011 element. The city has received approval from MassDOT's Project Review Committee. The city would provide \$60,000 to match a federal contribution of \$240,000 for the project design. The construction cost (in the FFY 2012 element) would be \$2.39 million.

Michael Chong, Federal Highway Administration, asked if the *Somerville Community Path Design and Construction* project, which has an earmark in FFY 2011, would have

construction funds programmed in future years. H. Morrison replied that all of the construction funding is programmed in the FFY 2011 element.

Joe Cosgrove, MBTA, provided a list of projects with Section 5309 carry-over earmarks from the FFY 2010 element to add to the transit portion of the TIP (see attached spreadsheet for details):

- *Hingham Marine Intermodal*
- *Auburndale Station Newton RT Accessibility*
- *Salem Intermodal*
- *Salem/Beverly Intermodal*
- *Fitchburg Line Improvements Small Starts*
- *MBTA Ferry System*
- *Woburn Park and Ride/Magazine Hill*
- *Rockport Station Improvements*
- *Medford Downtown Revitalization, Park and Ride*
- *Assembly Square Exempt New Starts*
- *Fitchburg Line Improvements Small Starts*
- *Wonderland Intermodal Improvements*
- *Blue Line – Wonderland TOD Plaza (TIGER award to the City of Revere)*
- *Alternative Analysis for the Belmont Station Consolidation Planning Study*

Jim Gallagher, Metropolitan Area Planning Council, asked if there would be implications for the construction schedule of the *Weymouth – Route 18* project from moving the project's design earmark from the FFY 2010 element to the FFY 2011 element. David Anderson, MassDOT, replied that the project design has not been delayed.

J. Gillooly expressed concern about moving the earmark for the *Boston – Northern Avenue Bridge Design* project out of the FFY 2010 element as he worries that this action could jeopardize the project moving forward this year. He also noted that the *Boston – South Bay Harbor Trail* project will be at the 75% design phase in about two weeks, and that the city is interested in having the project programmed in an earlier TIP element (it is currently in the FFY 2014 element).

Target-Funded Projects

H. Morrison reported on the recommended years of programming for target-funded projects (as shown on page one of the attached TIP tables).

Members then made comments and asked questions:

J. Gallagher asked if the *Ipswich – North Green Improvements (Construction)* project remains a priority for the Town of Ipswich and whether the project will be ready. H. Morrison replied that the town presented the *North Green* project as its priority at Municipal TIP Input Day and it presented the *Ipswich – Route 1A/ Route 133* project as its top unfunded priority. The *North Green* project has design funding in the FFY 2010 element, and there is an expectation that the project will be ready for construction in FFY 2011. D. Anderson added that the project is at the 25% design phase. He noted several

factors that could affect the project's readiness: the need for temporary construction easements, environmental permitting, and (possibly) historic clearances.

Brian Kane, MBTA Advisory Board, asked for details about the *Cambridge – Cambridge Common (Construction)* project. H. Morrison explained that it is an Enhancement project that involves bicycle and pedestrian improvements to the area around Cambridge Common and Flagstaff Park. Bill Deignan, City of Cambridge, added that the renovations would include reconstructing paths, planting trees, adding street furniture, and improving the lighting system. He stated that the project would increase mobility for bicyclists and pedestrians, and tie in with a multi-use path through Flagstaff Park. B. Kane then raised a concern about using transportation dollars for the non-transportation aspects of the project (trees and furniture).

D. Anderson advised the City of Cambridge to consider the accessibility needs of people with disabilities when choosing pavers for the walkways. He added that MassDOT Highway Division is reviewing updated right-of-way plans and that environmental permitting is underway.

David Koses, City of Newton – with Tom Bent, City of Somerville, concurring – requested that MassDOT Highway Division aim to make the *Cambridge Common* project ready for FFY 2011 in the event that the MPO has an opportunity to program the project earlier.

D. Mohler asked for more information about the *Boston Bike Maps Year 2* project, which is funded under the Clean Air and Mobility Program in FFY 2011, and whether the project is going to be an ongoing commitment for the MPO. H. Morrison explained that the MPO provided first year funding in FFY 2009 for the production of bicycle maps. The City of Boston requested second year funding for FFY 2011 so that new maps could be released when the city's bike share program is launched. J. Gallagher added that the MPO did not make a long-term commitment to fund the project. D. Mohler asked whether there is funding for printing maps in the grant that Boston and the MBTA received for the urban circulation program. J. Cosgrove stated that the budget for that program should be available next week, at which time that question can be answered.

D. Mohler requested a description of several of the projects listed under the Clean Air and Mobility Program in the FFY 2012 element. H. Morrison described the projects:

- The *Arlington – Intersection of Route 3 and Route 60* project would improve an intersection near the Minuteman Bikeway for bicycle traffic.
- The *Hopkinton – Crosswalk Beacon at Church and Main Streets* project would install a flashing crosswalk beacon at a low-visibility intersection.
- The *Scituate – Scituate Sidewalk Installation and Improvements* project would implement the most needed sidewalk connections identified in the town's sidewalk plan. The project also has strong support from the Town of Cohasset.
- The *Westwood – Crosswalk Improvements on Washington Street* project would improve two crosswalks and upgrade traffic signal timing.

M. Chong asked why Clean Air and Mobility Program projects are programmed in FFY 2012 and 2013. H. Morrison replied that none of those projects have Project Review Committee approval yet and that the MPO expected to program the projects in FFY 2012 and FFY 2013. The MPO would fund the projects (up to a total of \$2 million a year) when the projects are designed. Design is the responsibility of the municipality. M. Pratt further explained that the program is designed to support small projects typically too small to be advanced through the TIP process as stand-alone projects.

D. Koses asked if there are other projects in the queue for the Safe Routes to School Program. H. Morrison stated that the MPO only has the list of projects to be funded in FFY 2011 for this region. D. Mohler noted that there are other SRTS projects being planned (on a statewide basis).

Richard Reed, Town of Bedford, asked for more information about the Grant Anticipation Notes (GANs) funding for an Accelerated Bridge Program project in the FFY 2012 element. D. Mohler reminded the committee that the Accelerated Bridge Program is a \$3 billion program and that \$1.1 billion will be paid with GANs. The program will be funded with Commonwealth funds. Over time the GANs portion will be converted to federal aid. During FFY 2015 to FFY 2022, MPO target money will be used to fund the GANs repayment.

G. Esty asked if the MBTA expects any changes in expenditures for the improvements to Wonderland Station area in Revere as a result of the recent closure of the dog racing track there. J. Cosgrove reported that work is moving forward on the garage and the transit-oriented development portions of the project, and that the City of Revere has been proactive in planning for the anticipated land use changes there.

A motion to recommend the MPO endorse the FFY 2011 – 2014 TIP as presented was made by M. Pratt, and seconded by T. Bent. The motion passed unanimously.

7. Meeting Minutes – Pam Wolfe, Manager of Certification Activities, MPO Staff

A motion to approve the minutes of the meeting of June 24 was made by M. Pratt, and seconded by B. Kane. The motion passed unanimously.

A motion to approve the minutes of the meeting of July 8 was made by B. Kane, and seconded by M. Pratt. The motion passed unanimously.

8. Work Program for MPO Freight Study – Arnie Soolman, Director, Central Transportation Planning Staff

Members were presented with the work program for the *2010 Freight Study – A Profile of Truck Impacts* at the meeting of August 5. (See attached.) There have been no substantial changes to the work program since it was first presented.

A motion to approve the work program for the *2010 Freight Study – A Profile of Truck Impacts* was made by M. Pratt, and seconded by B. Kane. The motion passed unanimously.

9. Unified Planning Work Program – *Stephen Woelfel, MassDOT, and Arnie Soolman, Director, Central Transportation Planning Staff*

The Unified Planning Work Program (UPWP) Subcommittee and the Administration and Finance Subcommittee held a joint meeting this morning to take action to add Section 5303 transit funds to the UPWP budget. The subcommittees voted to direct the additional funding to the following UPWP tasks:

- \$38,000 to CTPS to add to funds for a consultant to help import an activity based model for the MPO's analyses
- \$10,000 to MAPC to implement the long-range land use plan and to conduct sub-area and corridor analyses
- \$6,200 to MassDOT for Statewide Planning Assistance

A motion to adopt the FFY 2011 UPWP as amended was made by M. Pratt, and seconded by B. Kane. The motion passed unanimously.

10. State Implementation Plan Update – *David Mohler, MassDOT*

MassDOT released a status report on the progress being made on the State Implementation Plan (SIP) projects. The Department of Environmental Protection will host a public meeting on the SIP on September 8 from 4PM to 6PM.

11. Members Items

Members were provided with a document certifying that the MPO complies with federal regulations for their signatures.

12. Adjourn

A motion to adjourn and convene the MPO meeting was made by G. Esty, and seconded by T. Bent. The motion passed unanimously.

Transportation Planning and Programming Committee Meeting Attendance
Thursday, August 19, 2010, 10:00 AM

Member Agencies

MassDOT
MassDOT Highway
City of Boston

City of Newton
City of Somerville
Federal Highway
Administration
MAPC
Massachusetts Port
Authority
MBTA
MBTA Advisory Board
Regional Transportation
Advisory Council
Town of Bedford
Town of Braintree
Town of Framingham
Town of Hopkinton

Representatives and Alternates

David Mohler
David Anderson
Jim Gillooly
Thomas Kadzis
David Koses
Thomas Bent
Michael Chong

Jim Gallagher
Lourenço Dantas

Joe Cosgrove
Brian Kane
Laura Wiener
Schuyler Larrabee
Richard Reed
Christine Stickney
Ginger Esty
Mary Pratt

MPO Staff/CTPS

Steven Andrews
Mike Callahan
Maureen Kelly
Anne McGahan
Hayes Morrison
Sean Pfalzer
Arnie Soolman
Mary Ellen Sullivan
Pam Wolfe

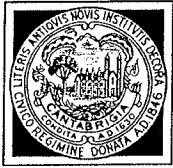
Other Attendees

Janet Adachi
Carolyn Britt
Dan Boynton
Will Brownsberger
Bill Buckley
James Cantwell
Michelle Ciccolo
Rick Clarke
Bill Deignan
Trish Domigan
Larry L. Dunkin
Jack Gillon
Renee Hunttee
Sue McQuaid

John McQueen

Town of Acton
Town of Maynard
Town of Lincoln
State Representative
Town of Milford
State Representative
Town of Hudson
Town of Ipswich
City of Cambridge
Vanasse Hangen Brustlin
Town of Milford
City of Quincy
Town of Danvers
Neponset Valley Chamber of
Commerce
Regional Transportation
Advisory Council / WalkBoston

Steve Olanoff	Regional Transportation Advisory Council
Joe Onorato	MassDOT Highway
Tom O'Rourke	Neponset Valley Chamber of Commerce
Karen Pearson	MassDOT
Bill Renault	Town of Concord
Amanda Richard	Office of State Senator Thomas McGee
Don Rising	Town of Stow, Inter-municipal Steering Committee for the Assabet River Rail Trail
Michael Santora	Town of Milford
Mayor Bill Scanlon	City of Beverly
Bryan Slack	MassDOT District 3
Laura Spear	Town of Stow, Board of Selectmen
Charlie Swanson	Town of Marshfield
Michael Verseckes	Office of State Representative James Cantwell
Mayor Setti Warren	City of Newton
Robert Weiss	Dorchester Bay Economic Development Corporation
Lynn Weissman	Friends of the Community Path
Ken Willette	Office of State Representative John Fernandes
Stephen Woelfel	MassDOT
John Woodsmall	Town of Southborough



CITY OF CAMBRIDGE

Community Development Department

SUSAN GLAZER

*Acting Assistant
City Manager for
Community Development*

Design Status Update and Schedule for Cambridge Common / Flagstaff Park Enhancement Project Aug. 19, 2010 Boston TPPC/MPO Meeting

Objective: to detail recent steps in design process and demonstrate that design could be complete during the next year and merit programming in FY11 for \$1m in construction funds.

- 25% Design submitted April 2010
- ROW plans submitted, showing only one minor construction easement needed from Harvard for construction of a pedestrian ramp
- Coordinated with Guy Rezendes (MDOT) and Hayes Morrison (CTPS) via e-mail to confirm TIP listing for \$180,000 of final design funds for obligation by CEPO – 8/11/10
- MDOT comments received 8/12/10 were relatively straight forward. Still awaiting District comments
- Submitted responses to comments, CE checklist and various documents requested in word format to MDOT Environmental section– 8/18/10
- Preparing responses to other minor comments which will be submitted shortly after District comments are received
- Consultant schedule below shows timeframe for completing the design within a year.

AECOM
300 Baker Avenue, Suite 290
Concord, MA 01742
T 978.371.4000 F 978.371.2468 www.aecom.com

Memorandum

Date: August 13, 2010
To: William Deignan
From: Andrew Ogilvie, AECOM
Subject: Cambridge common and flagstaff Park

The Cambridge Common and Flagstaff Park design is currently under 25% review with the MassDOT. Below is a schedule to complete the project from this point and making the project ready for advertising prior to September of 2011.

- August 2010 – Prepare and submit CE checklist for MassDOT review and approval.
- October 2010 – Hold MassDOT Design Public Hearing following resolution of any significant 25% comments
- November 2010 to January 2011 – Incorporate comments from the public hearing. Prepare and submit 75% design to MHD.
- January to March 2011 - Allow 10-12 weeks for MHD review
- March to April 2011 – Incorporate 75% design comments and submit 100% design for MassDOT review.
- May to June 2011 – Allow 10-12 weeks for MassDOT
- July to August 2011 – Incorporate 100% comments and submit final bid documents for Advertisement by MassDOT.

Draft FFYs 2011 - 14 TIP

Target Funded Projects Cash Flows

			Prior to 2009	2009	2010	2011	2012	2013	2014	Total Programmed	Total in 2011 - 14 TIP	TFPC Estimate	Amount Remaining
Concord/Lincoln	602984	Route 2 (Crosby's Corner)				\$15,336,197	\$14,796,710	\$18,296,710	\$23,514,368	\$71,943,985	\$71,943,985	\$71,943,985	\$0
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62		\$9,000,000	\$13,496,710	\$0				\$22,496,710	\$0	\$35,000,000	\$0
Weymouth*	601630	Route 18					\$17,282,039	\$8,820,000		\$26,102,039	\$26,102,039	\$26,100,000	\$0
Canton, Randolph & Westwood	87800	Route 128 Improvement Program Contract 3	\$22,260,000	\$11,959,389	\$7,000,000	\$6,000,000	\$6,000,000			\$53,219,389	\$12,000,000	\$53,219,389	\$0
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4		\$3,000,000	\$10,000,000	\$12,000,000	\$12,000,000	\$12,000,000	\$12,000,000	\$61,000,000	\$48,000,000	\$61,000,000	\$0
Needham & Wellesley	603711	Route 128 Improvement Program Contract 5					\$12,000,000	\$15,000,000	\$15,000,000	\$42,000,000	\$42,000,000	\$72,000,000	\$30,000,000
*Total										\$276,762,123	\$200,046,024	\$319,263,374	\$30,000,000
*Total Target Funding Programmed											\$187,463,985		
*Total Target Available FFY 2011 - 14											\$228,968,042		
Difference											\$41,504,057		

*\$12,582,039 of this project is funded with a federal earmark (TEA - 21 HPP 1236)

Projects in the FFYs 2010 - 13 TIP yet to be advertised

Arlington	Massachusetts Ave	\$3,548,404		2011	
Boston	South Bay Harbor Trail (construction)	\$3,850,000		\$5,373,601	of additional Obligation Authority
Cambridge	Cambridge Common (Construction)	\$1,000,000		\$12,485,290	project number 87612's bid was lower than TFPC
Ipswich	North Green Improvements (Construction)	\$1,076,235		\$17,858,891	
Somerville	Somerville Community Path, Phase 1	\$3,487,611			
Somerville	Beacon Street	\$1,319,690			
Boston Region	Clean Air and Mobility	\$8,000,000			
Total		\$22,281,940			
Total Target Remaining		\$19,222,117			

Projects staff is recommending for programming if funding with available funds

Hudson	604812	Route 85	\$10,814,480
Marshfield	604915	Route 139	\$5,682,660
Milford	606142	Route 16 Intersection Improvements	\$3,500,000

Projects staff would (or have previously) recommend for programming if funding was available

Acton and Maynard	604531	Assabet River Rail Trail, Phase 2	\$9,000,000
Belmont	604688	Trapelo Road	\$11,587,810
Beverly	600220	Rantol St	\$16,057,360
Boston	601274	Tremont St	\$2,200,000
Chelsea		Beacham and Williams St	\$6,000,000
Hanover	602602	Route 53 Reconstruction	\$986,520
Hudson	604812	Route 85	\$10,814,480
Marlborough	604697	Farm Road	\$3,400,000
Milford	606142	Route 16 Intersection Improvements	\$3,500,000
Natick	605034	Route 27	\$10,129,579
Winchester, et al	604652	Tri Community Bikeway	\$5,075,585
Total			\$78,751,334

Draft FFYs 2011-14 TIP FFY 2011

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

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$8,000,000	\$2,000,000	\$10,000,000	
Milford	606142	Route 16 Intersection Improvements	\$2,800,000	\$700,000	\$3,500,000	
Somerville	604331	Somerville Community Path, Phase 1	\$2,790,089	\$697,522	\$3,487,611	
			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	
Boston Region	456661	Clean Air and Mobility Program	\$1,600,000	\$400,000	\$2,000,000	\$2,000,000
	<i>Acton</i>	<i>Acton Shuttle Year 2</i>	<i>\$99,913</i>	<i>\$19,983</i>	<i>\$119,896</i>	
	<i>Boston</i>	<i>Boston Bike Maps Year 2</i>	<i>\$30,000</i>	<i>\$6,000</i>	<i>\$36,000</i>	
	<i>Hull</i>	<i>Hull Ferry Service Year 2</i>	<i>\$33,116</i>	<i>\$6,623</i>	<i>\$39,739</i>	
Congestion Mitigation and Air Quality Improvement Program Total			\$15,190,089	\$3,797,522	\$18,987,611	
			<i>Minimum CMAQ Regional Target</i>		<i>\$0</i>	

National Highway System

			<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
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4, Year Three of Six	\$9,600,000	\$2,400,000	\$12,000,000
National Highway System Total			\$14,400,000	\$3,600,000	\$18,000,000

Surface Transportation Program

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$831,590	\$207,897	\$1,039,487	\$3,177,736
Danvers/Peabody	87612	Route 128 at Route 35 and Route 62	\$0	\$0	\$0	\$12,485,290
Hudson	604812	Route 85	\$8,651,584	\$2,162,896	\$10,814,480	
Marshfield	604915	Route 139	\$4,546,128	\$1,136,532	\$5,682,660	
Surface Transportation Program Total			\$831,590	\$207,897	\$17,536,627	

Draft FFYs 2011-14 TIP

FFY 2011

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FEDERAL-AID TARGET PROJECTS cont.

Highway Safety Improvement Program (HSIP) Project

		Federal Funds	State Funds	Total Funds
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$3,867,039	\$429,671	\$4,296,710
Highway Safety Improvement Program Total		\$3,867,039	\$429,671	\$4,296,710
				<i>Minimum HSIP Regional Target</i>
				\$4,296,710

Surface Transportation Program/Enhancement

		Federal Funds	State Funds	Total Funds
Ipswich	604945 North Green Improvements (Construction)	\$860,988	\$215,247	\$1,076,235
Surface Transportation Program/Enhancement Total		\$860,988	\$215,247	\$1,076,235

Total Regional Target Programming **\$59,897,183**

Boston Region MPO Regional Target with State Match* **\$59,897,183

\$59,897,183

\$0

FEDERAL AID NON-TARGET PROJECTS

High-Priority Projects (TEA-21)

		Federal Funds	State/Local Funds	Total Funds	Project Notes
Boston	604871 Huntington Ave/Symphony Area Streetscape Construction (HPP 447)	\$2,140,232	\$535,058	\$2,675,290	moved in from the 2010 element
Boston	604871 Huntington Ave/Symphony Area Streetscape Construction (HPP 1811)	\$820,080	\$205,020	\$1,025,100	moved in from the 2010 element

High-Priority Projects (SAFETEA-LU)

		Federal Funds	State/Local Funds	Total Funds	Project Notes
Boston	605791 Warren St/Blue Hill Ave Construction (HPP 2129)	\$0	\$0	\$0	moved to 2012
Boston	605789 Melnea Cass Blvd Construction (HPP 756)	\$0	\$0	\$0	moved to 2012
Boston	605789 Melnea Cass Blvd Construction (HPP 4284)	\$0	\$0	\$0	moved to 2012
Boston	605790 East Boston Haul Road Design (HPP 2032)	\$2,000,000	\$500,000	\$2,500,000	\$1,344,000
Boston	Northern Avenue Bridge Design (HPP 4271)	\$800,000	\$200,000	\$1,000,000	moved in from the 2010 element
Boston	Rutherford Ave Design (HPP TI 174)	\$2,400,000	\$600,000	\$3,000,000	moved in from the 2010 element
Boston	Sullivan Square, Phase 1 Design (HPP 3568)	\$897,498	\$224,375	\$1,121,873	moved in from the 2010 element
Boston	North Washington St Bridge Design (HPP 2586)	\$1,760,000	\$440,000	\$2,200,000	moved in from the 2010 element
Franklin	604988 Route 140 Improvements Construction (HPP 4279)	\$0	\$0	\$0	moved to 2012
Malden	605173 Pleasant Ave Construction (HPP 589)	\$0	\$0	\$0	moved to 2012
Somerville	604331 Somerville Community Path Design and Construction (HPP 2782)	\$809,911	\$202,478	\$1,012,389	
Somerville	605219 Improvements to Broadway in Somerville Construction (HPP 431)*	\$1,987,798	\$496,950	\$2,484,748	moved in from the 2010 element

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FEDERAL AID NON-TARGET PROJECTS cont.

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	
Walpole	605187	Washington St Construction (HPP 2431)	\$1,259,860	\$314,965	\$1,574,825	
Weymouth	601630	Route 18 Design (HPP 1236)	\$1,336,000	\$334,000	\$1,670,000	

Section 117

Somerville		Adaptive Reuse and Streetscape Improvements Construction	\$350,000		\$350,000	
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PLHD Awards (2003)

Boston		Long Island Pier Improvements	\$198,700		\$198,700	
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Section 112

Cambridge	605684	Kendall Square/Broadway Streetscape Construction	\$750,000	\$0	\$750,000	
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Section 117

Malden	605173	Pleasant Ave Construction	\$0	\$0	\$0	
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2004 Ferry Boat Discretionary Commuter Ferry

Winthrop		Winthrop Ferry Improvements Construction	\$264,232	\$66,058	\$330,290	
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2005 Ferry Boat Discretionary Ferry Infrastructure

Winthrop		Winthrop Ferry Improvements Construction	\$208,167	\$52,042	\$260,209	
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Transportation Community and System Preservation (TCSP)

Cambridge	604361	Longfellow Bridge Gateway Improvements	\$889,200	\$222,300	\$1,111,500	
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High-Priority Projects Total **\$19,304,640** **\$4,501,485** **\$23,806,125**

*Additional money to be provided from outside sources

FEDERAL-AID BRIDGE PROJECTS

Bridge

Hudson	604006	Houghton St over the Assabet River	\$2,033,058	\$508,264	\$2,541,322	
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Newton	605106	Hammond St over the MBTA	\$739,912	\$184,978	\$924,890	
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Wayland	602723	Pelham Island Road over the Sudbury River	\$0	\$0	\$0	
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Bridge Total **\$2,772,970** **\$693,242** **\$3,466,212**

moved in from the 2010 element

moved in from the 2010 element

moved in from the 2010 element

moved in from the 2010 element

moved in from the 2010 element

moved in from the 2010 element, was \$35,000

moved to 2012

moved in from the 2010 element

moved in from the 2010 element

moved to 2010

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FFY 2011

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

Accelerated Bridge Program - Federal Aid GANs Projects**	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston/Cambridge 604361 Longfellow Bridge (Cambridge Street over the Charles River)			\$290,000,000
Framingham 603710 Winter Street over MBTA			\$0
Quincy/Weymouth 604382 Fore River Bridge (Route 3A over the Fore River)			\$255,000,000
Accelerated Bridge Program Total			\$545,000,000
Federal-Aid Bridge Total			\$581,966,212

project will be funded with NFA in year 4 (2012) of ABP

**GANs conversion to federal aid to begin in 2015

FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES

Interstate Maintenance	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston/Somerville 606167 Interstate 93	\$8,424,000	\$936,000	\$9,360,000
Burlington 605589 Interstate 95	\$9,720,000	\$1,080,000	\$10,800,000
Canton 606166 Interstate 95	\$4,752,000	\$528,000	\$5,280,000
Danvers 606163 Interstate 95	\$2,415,600	\$268,400	\$2,684,000
Walpole/Norwood/Sharon/Canton 605590 Interstate 95	\$6,640,200	\$737,800	\$7,378,000
Interstate Maintenance Total	\$31,951,800	\$3,550,200	\$35,502,000

\$9,516,000
\$9,760,000
\$3,894,240
\$5,837,700

National Highway System Pavement Preservation	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Acton Route 2	\$0	\$0	\$0
National Highway System Pavement Preservation Total	\$0	\$0	\$0

\$4,670,160

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Safe Routes To School Program

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Canton	605874	Hansen School	\$440,800	\$110,200	\$551,000
Chelsea		Wright and Browne Schools	\$320,800	\$80,200	\$401,000
Marlborough	606231	Jaworek Elementary School	\$283,200	\$70,800	\$354,000
Reading	606222	Parker Middle School	\$280,000	\$70,000	\$350,000
Scituate	606216	Heatherly Elementary School	\$412,000	\$103,000	\$515,000
Safe Routes To School Program Total			\$1,736,800	\$434,200	\$2,171,000

Total Highway Program \$703,342,520

CENTRAL ARTERY/TUNNEL PROJECT

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
National Highway System (NHS)	\$70,000,000		\$70,000,000
Bridge	\$25,000,000		\$25,000,000
State Transportation Program (STP)/ Flex	\$44,365,000		\$44,365,000
State Transportation Program (STP)	\$20,000,000		\$20,000,000

Federal-Aid Subtotal

\$159,365,000

Federal-Aid Matching Funds Subtotal

\$159,365,000

Total Federal Fiscal Year 2011 Central Artery/Tunnel Funds

\$159,365,000

Commonwealth Funding Commitments

STATE IMPLEMENTATION PLAN

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Green Line Extension Project***	\$100,000,000	\$38,300,000	\$138,300,000
Fairmount Improvements		\$48,700,000	\$48,700,000
Red Line-Blue Line Connector Design		\$18,000,000	\$18,000,000
1,000 Parking Spaces		\$34,500,000	\$34,500,000
State Implementation Plan Total			\$239,500,000

***Green Line cash flows assume FTA New Starts funding. Should New Starts funding not be awarded, the Commonwealth will assume financing of the project. Green Line Extension Project is defined as extension to College Avenue with the Union Square Spur.

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FFY 2011

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Regional Transit Program

Section 5307

		Federal Funds	MBTA Funds	Total Funds	
Systemwide	Locomotive and Coach Procurement	\$40,000,000	\$10,000,000	\$50,000,000	\$25,000,000
Systemwide	ITS Initiatives	\$4,000,000	\$1,000,000	\$5,000,000	
Red Line	Power System Improvements	\$11,000,000	\$2,750,000	\$13,750,000	
Systemwide	Station Rehab Program	\$10,000,000	\$2,500,000	\$12,500,000	\$8,750,000
Green Line	MBTA Accessibility Program (LRAP)	\$7,000,000	\$1,750,000	\$8,750,000	\$12,500,000
Systemwide	Station Management Program	\$0	\$0	\$0	\$18,750,000
Bus	CNG Bus Overhaul Program	\$3,000,000	\$750,000	\$3,750,000	\$15,000,000
Bus	Everett Maintenance Facility	\$4,000,000	\$1,000,000	\$5,000,000	
Systemwide	Elevator Replacement/Rehabilitation	\$3,000,000	\$750,000	\$3,750,000	\$5,000,000
Systemwide	Grant Application Notes (GANs) Program	\$7,000,000	\$1,750,000	\$8,750,000	
Systemwide	Preventative Maintenance	\$12,000,000	\$3,000,000	\$15,000,000	\$18,750,000
Systemwide	Maintenance Facilities - Equipment	\$1,000,000	\$250,000	\$1,250,000	
Commuter Rail	Commuter Rail Systems Upgrades	\$3,000,000	\$750,000	\$3,750,000	
Systemwide	Specialized Non-Revenue Vehicles	\$4,000,000	\$1,000,000	\$5,000,000	\$3,750,000
Systemwide	Parking Program	\$4,000,000	\$1,000,000	\$5,000,000	\$5,000,000
Systemwide	Station Accessibility Program	\$16,000,000	\$4,000,000	\$20,000,000	
Commuter Rail	Commuter Rail Accessibility Program	\$3,000,000	\$750,000	\$3,750,000	\$6,250,000
Systemwide	Environmental Program	\$2,000,000	\$500,000	\$2,500,000	
Ferry System	Ferry System Upgrades	\$0	\$0	\$0	

Will not be part of the FFYs 2011-14 program

Section 5307 MBTA Match Total \$134,000,000 \$33,500,000 \$167,500,000

		Federal Funds	State Funds	Total Funds
Cape Ann	Cape Ann Transportation Authority	\$501,362	\$125,341	\$626,703
MetroWest	MetroWest Transportation Authority	\$1,446,082	\$361,521	\$1,807,603
	Section 5307 State Match Total	\$1,947,444	\$486,862	\$2,434,306

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Section 5309 Infrastructure Program

		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>	
Blue Line	Blue Line Modernization	\$7,000,000	\$1,750,000	\$8,750,000	
Red Line	Red Line Number 2 Car	\$8,000,000	\$2,000,000	\$10,000,000	
Systemwide	Kawasaki Coaches	\$0	\$0	\$0	\$11,250,000
Systemwide	Locomotive and Coach Procurement	\$8,000,000	\$2,000,000	\$10,000,000	\$18,750,000
Green Line	Positive Train Control	\$2,000,000	\$500,000	\$2,500,000	
Subway	Station Platform Program	\$3,000,000	\$750,000	\$3,750,000	\$8,750,000
Commuter Rail	Coach Rehabilitation and Safety Program (CRASP)	\$5,000,000	\$1,250,000	\$6,250,000	\$1,250,000
Subway	Vehicle Programs	\$11,000,000	\$2,750,000	\$13,750,000	\$27,500,000
Red Line	Columbia Junction	\$4,000,000	\$1,000,000	\$5,000,000	\$8,750,000
Systemwide	Bridge and Tunnel Program	\$8,000,000	\$2,000,000	\$10,000,000	\$7,500,000
Systemwide	Track Upgrades	\$33,000,000	\$8,250,000	\$41,250,000	\$6,250,000
Systemwide	Signal System Upgrades	\$5,000,000	\$1,250,000	\$6,250,000	
Section 5309 MBTA Match Total		\$94,000,000	\$23,500,000	\$117,500,000	

Urban Circulator Grant Program Award

		<i>Federal Funds</i>	<i>Local Funds</i>	<i>Total Funds</i>
Boston	Boston Bike Share Program	\$3,003,051	\$750,763	\$3,753,814
Urban Circulator Grant Program Award Total		\$3,003,051	\$750,763	\$3,753,814

Federal-Aid Subtotal

Federal-Aid State Matching Funds Subtotal

Federal-Aid Local Matching Funds Subtotal

Federal-Aid MBTA Matching Funds Subtotal

Federal-Aid Subtotal	\$232,950,495		
Federal-Aid State Matching Funds Subtotal		\$486,862	
Federal-Aid Local Matching Funds Subtotal		\$750,763	
Federal-Aid MBTA Matching Funds Subtotal			\$57,000,000
Total FFY 2011 Regional Transit Funds			\$291,188,120
Total FFY 2011 TIP Total			\$1,393,395,640

Draft FFYs 2011-14 TIP

FFY 2012

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Regional Highway Program

FEDERAL-AID TARGET PROJECTS

Congestion Mitigation and Air Quality Improvement Program

			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston Region		Clean Air and Mobility Program	\$1,600,000	\$400,000	\$2,000,000
	<i>Arlington</i>	<i>Intersection of Route 3 and Route 60</i>			
	<i>Framingham</i>	<i>Cochituate Rail Trail</i>			
	<i>Hopkinton</i>	<i>Crosswalk Beacon at Church and Main Sts.</i>			
	<i>Scituate</i>	<i>Scituate Sidewalk Installation and Improvements</i>			
	<i>Westwood</i>	<i>Crosswalk Improvements on Washington St.</i>			
Congestion Mitigation and Air Quality Improvement Program Total			\$1,600,000	\$400,000	\$2,000,000
			<i>Minimum CMAQ Regional Target</i>		<i>\$0</i>

Clean Air and Mobility Awards listed above will be funded in either 2012 or 2013 depending on readiness. Project estimates are not finalized at this time.

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 Six of Six	\$4,800,000	\$1,200,000	\$6,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4, Year Four of Six	\$9,600,000	\$2,400,000	\$12,000,000
Needham & Wellesley	603711	Route 128 Improvement Program Contract 5, Year One of Six	\$9,600,000	\$2,400,000	\$12,000,000
National Highway System Total			\$24,000,000	\$6,000,000	\$30,000,000

Surface Transportation Program

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Arlington	604687	Massachusetts Ave	\$2,838,723	\$709,681	\$3,548,404	<i>Project Notes</i>
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$8,400,000	\$2,100,000	\$10,500,000	\$2,650,000
Weymouth	601630	Route 18	\$3,760,000	\$940,000	\$4,700,000	
Surface Transportation Program Total			\$8,400,000	\$2,100,000	\$18,748,404	

Draft FFYs 2011-14 TIP

FFY 2012

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FEDERAL-AID TARGET PROJECTS cont.

Highway Safety Improvement Program (HSIP) Project

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Concord & Lincoln 602984 Route 2 (Crosby's Corner)	\$3,867,039	\$429,671	\$4,296,710
Highway Safety Improvement Program Total	\$3,867,039	\$429,671	\$4,296,710
	<i>Minimum HSIP Regional Target</i>		\$4,296,710
	Total Regional Target Programming		\$55,045,114
	<i>*Boston Region MPO Regional Target with State Match</i>		<i>\$55,044,658</i>

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

state target	\$55,388,323	less AC/programs	\$8,591,613
less AC/programs multiplied by 1.04 for 2012	\$8,935,278	difference	\$343,665
state target less difference (new target)	\$55,044,658		

Discussions regarding the distribution of the additional \$31M obligation authority (OA) provided to the Commonwealth are ongoing. The Massachusetts Association of Regional Planning Agencies (MARPA) and MassDOT will provide information regarding the additional OA prior to the final publication of the Boston Region MPO TIP.

FEDERAL AID NON-TARGET PROJECTS

High-Priority Projects (TEA-21)

	<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Weymouth 601630 Route 18 Construction (HPP 1236)	\$10,065,631	\$2,516,408	\$12,582,039

High-Priority Projects (SAFETEA-LU)

Arlington 604687 Massachusetts Ave Construction (HPP 47)	\$1,157,597	\$289,399	\$1,446,996	
Boston 605790 East Boston Haul Road Design/Construction (HPP 2032)	\$2,499,370	\$624,843	\$3,124,213	\$1,680,000
Boston 605791 Warren St/Blue Hill Ave Construction (HPP 2129)	\$2,153,997	\$538,499	\$2,692,496	moved from 2011
Boston 605789 Melnea Cass Blvd Construction (HPP 756)	\$1,938,598	\$484,650	\$2,423,248	moved from 2011
Boston 605789 Melnea Cass Blvd Construction (HPP 4284)	\$4,005,900	\$1,001,475	\$5,007,375	moved from 2011
Franklin 604988 Route 140 Improvements Construction (HPP 4279)	\$4,607,375	\$1,151,844	\$5,759,219	moved from 2011
Malden 605173 Pleasant Ave Construction (HPP 589)	\$1,367,848	\$341,962	\$1,709,810	moved from 2011

Draft FFYs 2011-14 TIP

FFY 2012

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FEDERAL AID NON-TARGET PROJECTS cont.

Section 117

Malden	605173	Pleasant Ave Construction	\$1,657,656	\$0	\$1,657,656	
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moved from 2011

Section 129

Arlington	604687	Massachusetts Ave Construction	\$750,000		\$750,000	
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High-Priority Projects Total \$30,203,972 \$6,949,079 \$37,153,052

FEDERAL-AID BRIDGE PROJECTS

Bridge

Federal Funds State Funds Total Funds

Bridge Total

Advance Construction Bridge

Boston	604517	Chelsea Street Bridge	\$8,800,000	\$2,200,000	\$11,000,000	
Boston	603370	Route 99 (Alford Street) over Mystic River	\$12,000,000	\$3,000,000	\$15,000,000	
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	\$1,600,000	\$400,000	\$2,000,000	

\$5,000,000

Advance Construction Bridge Total \$30,400,000 \$7,600,000 \$38,000,000

Federal-Aid Bridge Total \$38,000,000

Accelerated Bridge Program - Federal Aid GANs Projects**

Everett & Medford	604660	Revere Beach Parkway (Route 16) over the Malden River			\$41,319,200	
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Accelerated Bridge Program Total \$41,319,200

Federal-Aid Bridge Total \$79,319,200

Draft FFYs 2011-14 TIP FFY 2012

<i>Indicates a change in project cost</i>
<i>Indicates removed from TIP (cost not reflected in total)</i>
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<i>Indicates a new funding category</i>

FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES

Interstate Maintenance

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Foxborough/Sharon	605596	Interstate 95	\$7,554,240	\$839,360	\$8,393,600	\$17,607,040
Woburn/Wilmington	604879	Interstate 93	\$0	\$0	\$0	\$12,668,480
Interstate Maintenance Total			\$7,554,240	\$839,360	\$8,393,600	

National Highway System Pavement Preservation

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Acton to Littleton	604472	Route 2	\$3,269,112	\$934,032	\$4,670,160	
Randolph	605607	Route 24	\$0	\$0	\$0	moved to 2013
Weymouth/Braintree	605602	Route 3	\$0	\$0	\$0	moved to 2014
National Highway System Pavement Preservation Total			\$3,736,128	\$934,032	\$4,670,160	

Total Highway Program \$143,261,926

CENTRAL ARTERY/TUNNEL PROJECT

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
National Highway System (NHS)	\$70,000,000		\$70,000,000
Bridge			
State Transportation Program (STP)/ Flex	\$75,960,000		\$75,960,000
State Transportation Program (STP)	\$20,000,000		\$20,000,000

Federal-Aid Subtotal

\$165,960,000

Federal-Aid Matching Funds Subtotal

\$165,960,000

Total Federal Fiscal Year 2012 Central Artery/Tunnel Funds

\$165,960,000

Draft FFYs 2011-14 TIP FFY 2012

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Indicates a new funding category

Commonwealth Funding Commitments

STATE IMPLEMENTATION PLAN

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Green Line Extension Project**	\$100,000,000	\$134,300,000	\$234,300,000
Fairmount Improvements		\$18,000,000	\$18,000,000
Red Line-Blue Line Connector Design		\$5,000,000	\$5,000,000
1,000 Parking Spaces		\$30,500,000	\$30,500,000
State Implementation Plan Total			\$287,800,000

**Green Line cash flows assume FTA New Starts funding. Should New Starts funding not be awarded, the Commonwealth will assume financing of the project. Green Line Extension Project is defined as extension to College Avenue with the Union Square Spur.

Draft FFYs 2011-14 TIP

FFY 2012

Indicates a change in project cost

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Indicates a new funding category

Regional Transit Program

Section 5307		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>	
Systemwide	Locomotive and Coach Procurement	\$47,000,000	\$11,750,000	\$58,750,000	\$58,750,000
Systemwide	ITS Initiatives	\$3,000,000	\$750,000	\$3,750,000	\$3,750,000
Systemwide	Power Improvements	\$23,000,000	\$5,750,000	\$28,750,000	\$28,750,000
Systemwide	Station Rehab	\$8,000,000	\$2,000,000	\$10,000,000	\$8,750,000
Green Line	MBTA Accessibility Program (LRAP)	\$7,000,000	\$1,750,000	\$8,750,000	\$8,750,000
Systemwide	Station Management Program	\$0	\$0	\$0	\$18,750,000
Bus	CNG Bus Overhaul Program	\$0	\$0	\$0	\$15,000,000
Bus	Everett Maintenance Facility	\$2,000,000	\$500,000	\$2,500,000	\$5,000,000
Systemwide	Elevator Replacement /Rehabilitation	\$4,000,000	\$1,000,000	\$5,000,000	\$5,000,000
Systemwide	Preventive Maintenance	\$12,000,000	\$3,000,000	\$15,000,000	\$12,500,000
Systemwide	Maintenance Facilities - Equipment	\$2,000,000	\$500,000	\$2,500,000	
Commuter Rail	Commuter Rail Systems Upgrades	\$3,000,000	\$750,000	\$3,750,000	
Systemwide	Specialized Non-Revenue Vehicles	\$0	\$0	\$0	\$3,750,000
Systemwide	Parking Program	\$4,000,000	\$1,000,000	\$5,000,000	\$5,000,000
Systemwide	Station Accessibility Program	\$14,000,000	\$3,500,000	\$17,500,000	\$17,500,000
Commuter Rail	Commuter Rail Accessibility	\$3,000,000	\$750,000	\$3,750,000	\$10,000,000
Systemwide	Environmental Program	\$2,000,000	\$500,000	\$2,500,000	\$2,500,000
Section 5307 MBTA Match Total		\$134,000,000	\$33,500,000	\$167,500,000	
		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Cape Ann	Cape Ann Transportation Authority	\$501,362	\$125,341	\$626,703	
MetroWest	MetroWest Transportation Authority	\$1,446,082	\$361,521	\$1,807,603	
Section 5307 State Match Total		\$1,947,444	\$486,862	\$2,434,306	

Draft FFYs 2011-14 TIP

FFY 2012

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Indicates a new funding category

Section 5309 Infrastructure Program

		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>	
Systemwide	Kawasaki Coaches	\$6,000,000	\$1,500,000	\$7,500,000	
Systemwide	Locomotive and Coach Procurement	\$5,000,000	\$1,250,000	\$6,250,000	\$10,000,000
Subway	Station Platform Program	\$4,000,000	\$1,000,000	\$5,000,000	\$3,750,000
Commuter Rail	Coach Rehabilitation and Safety Program (CRASP)	\$8,000,000	\$2,000,000	\$10,000,000	\$6,250,000
Subway	Vehicle Programs	\$22,000,000	\$5,500,000	\$27,500,000	\$13,750,000
Red Line	Columbia Junction	\$2,000,000	\$500,000	\$2,500,000	\$5,000,000
Systemwide	Bridge and Tunnel Program	\$9,000,000	\$2,250,000	\$11,250,000	\$10,000,000
Systemwide	Track Upgrades	\$33,000,000	\$8,250,000	\$41,250,000	\$3,000,000
Systemwide	Signal System Upgrades	\$5,000,000	\$1,250,000	\$6,250,000	
Section 5309 MBTA Match Total		\$94,000,000	\$23,500,000	\$117,500,000	
Federal-Aid Subtotal		\$228,000,000			
Federal-Aid State Matching Funds Subtotal			\$486,862		
Federal-Aid MBTA Matching Funds Subtotal				\$57,000,000	
Total FFY 2012 Regional Transit Funds				\$287,434,306	
Total FFY 2012 TIP Total				\$884,456,232	

Draft FFYs 2011-14 TIP FFY 2013

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Regional Highway Program

FEDERAL-AID TARGET PROJECTS

Congestion Mitigation and Air Quality Improvement Program

			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Boston Region		Clean Air and Mobility Program	\$1,600,000	\$400,000	\$2,000,000
	<i>Arlington</i>	<i>Intersection of Route 3 and Route 60</i>			
	<i>Framingham</i>	<i>Cochituate Rail Trail</i>			
	<i>Hopkinton</i>	<i>Crosswalk Beacon at Church and Main Sts.</i>			
	<i>Scituate</i>	<i>Scituate Sidewalk Installation and Improvements</i>			
	<i>Westwood</i>	<i>Crosswalk Improvements on Washington St.</i>			
Congestion Mitigation and Air Quality Improvement Program Total			\$1,600,000	\$400,000	\$2,000,000
			<i>Minimum CMAQ Regional Target</i>		<i>\$8,593,420</i>

Clean Air and Mobility Awards listed above will be funded in either 2012 or 2013 depending on readiness. Project estimates are not finalized at this time.

National Highway System

			<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 Two of Six	\$12,000,000	\$3,000,000	\$15,000,000
National Highway System Total			\$21,600,000	\$5,400,000	\$27,000,000

Surface Transportation Program

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Somerville	601820	Beacon Street	\$1,055,752	\$263,938	\$1,319,690
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$11,200,000	\$2,800,000	\$14,000,000
Weymouth	601630	Route 18	\$7,056,000	\$1,764,000	\$8,820,000
Surface Transportation Program Total			\$12,255,752	\$3,063,938	\$24,139,690

\$15,300,000 overall project cost is down \$900,000
\$6,000,000 -- project cost increase to \$26.1M

Draft FFYs 2011-14 TIP

FFY 2013

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FEDERAL-AID TARGET PROJECTS cont.

Highway Safety Improvement Program (HSIP) Project

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Concord & Lincoln	602984	Route 2 (Crosby's Corner)	\$3,867,039	\$429,671	\$4,296,710
Highway Safety Improvement Program Total			\$3,867,039	\$429,671	\$4,296,710
			<i>Minimum HSIP Regional Target</i>		\$4,296,710

Surface Transportation Program/Enhancement

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Cambridge	605188	Cambridge Common (Construction)	\$0	\$0	\$0
Surface Transportation Program/Enhancement Total			\$0	\$0	\$0

\$1,000,000 -- moved to 2014

Total Regional Target Programming **\$57,436,400**
Boston Region MPO Regional Target with State Match* **\$57,303,412

*Boston Region MPO Target minus AC projects and ongoing programs is then actualized by 4% for 2012, and 2013

state target	\$57,408,851	less AC/programs	\$1,292,141
less AC/programs multiplied by 1.04 for 2012 and 2013	\$1,397,580	difference	\$105,439
state target less difference (new target)	\$57,303,412		

Discussions regarding the distribution of the additional \$31M obligation authority (OA) provided to the Commonwealth are ongoing. The Massachusetts Association of Regional Planning Agencies (MARPA) and MassDOT will provide information regarding the additional OA prior to the final publication of the Boston Region MPO TIP.

FEDERAL AID NON-TARGET PROJECTS

High-Priority Projects (TEA-21)

			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Somerville	601820	Beacon Street Construction (HPP 248)	\$2,064,248	\$516,062	\$2,580,310

High-Priority Projects (SAFETEA-LU)

Boston		East Boston Haul Road Design (HPP 2032)	\$0	\$0	\$0
Cambridge	605188	Cambridge Common (Construction HPP 3536)	\$0	\$0	\$0
High-Priority Projects Total			\$2,064,248	\$516,062	\$2,580,310

\$1,680,000
 moved to 2014

Draft FFYs 2011-14 TIP FFY 2013

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Indicates a new funding category

FEDERAL-AID BRIDGE PROJECTS

Bridge			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Chelsea	604428	Washington Ave over the MBTA	\$2,952,584	\$738,146	\$3,690,730
Bridge Total			\$2,952,584	\$738,146	\$3,690,730

Advance Construction Bridge			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston	604517	Chelsea Street Bridge	\$11,200,000	\$2,800,000	\$14,000,000
Boston	603370	Route 99 (Alford Street) over Mystic River	\$8,000,000	\$2,000,000	\$10,000,000
Dedham, Needham & Westwood	603206	Route 128 Improvement Program Contract 4	\$12,000,000	\$3,000,000	\$15,000,000
Needham, Wellesley	603711	Route 128 Improvement Program	\$10,400,000	\$2,600,000	\$13,000,000
Advance Construction Bridge Total			\$41,600,000	\$10,400,000	\$52,000,000
			Federal-Aid Bridge Total		\$52,000,000

Accelerated Bridge Program - Federal Aid GANs Projects**			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Peabody	603531	Howley Street over the North River			\$1,153,260
Accelerated Bridge Program Total					\$1,153,260

**GANs conversion to federal aid to begin in 2015

Draft FFYs 2011-14 TIP FFY 2013

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<i>Indicates a new funding category</i>

FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES

Interstate Maintenance

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Franklin to Milford	606169	Interstate 495	\$14,394,240	\$1,599,360	\$15,993,600
Foxborough	606171	Interstate 95	\$8,276,688	\$919,632	\$9,196,320
Lexington/Burlington	606170	Interstate 95	\$9,328,410	\$1,036,490	\$10,364,900
Wakefield to Lynnfield	605597	Interstate 95	\$8,059,275	\$895,475	\$8,954,750
Wilmington to Woburn	604879	Interstate 93	\$11,121,264	\$1,235,696	\$12,356,960
Interstate Maintenance Total			\$8,059,275	\$895,475	\$8,954,750

\$14,713,200
\$11,541,200

National Highway System Pavement Preservation

			<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Northborough/Marlborough	605610	Route 20	\$0	\$0	\$0
Weymouth	605602	Route 3	\$2,342,400	\$585,600	\$2,928,000
National Highway System Pavement Preservation Total			\$0	\$0	\$0

project scope is now just in Northborough, in 2014

Total Highway Program \$70,124,720

CENTRAL ARTERY/TUNNEL PROJECT

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
National Highway System (NHS)	\$70,000,000		\$70,000,000
Bridge			
State Transportation Program (STP)/ Flex	\$86,555,000		\$86,555,000
State Transportation Program (STP)	\$20,000,000		\$20,000,000

Federal-Aid Subtotal

\$176,555,000

Federal-Aid Matching Funds Subtotal

\$176,555,000

Total Federal Fiscal Year 2013 Central Artery/Tunnel Funds

\$176,555,000

Draft FFYs 2011-14 TIP FFY 2013

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Indicates a new funding category

Commonwealth Funding Commitments

STATE IMPLEMENTATION PLAN

	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Green Line Extension Project***	\$100,000,000	\$150,000,000	\$250,000,000
1,000 Parking Spaces			\$1,100,000
State Implementation Plan Total			\$251,100,000

***Green Line cash flows assume FTA New Starts funding. Should New Starts funding not be awarded, the Commonwealth will assume financing of the project. Green Line Extension Project is defined as extension to College Avenue with the Union Square Spur.

Regional Transit Program

Section 5307

		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>	
Systemwide	Locomotive and Coach Procurement	\$37,000,000	\$9,250,000	\$46,250,000	\$25,000,000
Systemwide	ITS Initiatives	\$2,000,000	\$500,000	\$2,500,000	\$5,000,000
Systemwide	Power Improvements	\$24,000,000	\$6,000,000	\$30,000,000	\$25,000,000
Systemwide	Station Rehab	\$6,000,000	\$1,500,000	\$7,500,000	\$8,750,000
Green Line	MBTA Accessibility Program	\$7,000,000	\$1,750,000	\$8,750,000	\$8,750,000
Systemwide	Station Management Program	\$13,000,000	\$3,250,000	\$16,250,000	\$18,750,000
Bus	Everett Maintenance Facility	\$4,000,000	\$1,000,000	\$5,000,000	
Systemwide	Elevator Replacement /Rehabilitation	\$4,000,000	\$1,000,000	\$5,000,000	\$5,000,000
Systemwide	Preventive Maintenance	\$12,000,000	\$3,000,000	\$15,000,000	\$12,500,000
Systemwide	Specialized Non-Revenue Vehicles	\$2,000,000	\$500,000	\$2,500,000	\$3,750,000
Systemwide	Parking Program	\$4,000,000	\$1,000,000	\$5,000,000	\$5,000,000
Systemwide	Station Accessibility Program	\$14,000,000	\$3,500,000	\$17,500,000	\$17,500,000
Commuter Rail	Commuter Rail Accessibility	\$3,000,000	\$750,000	\$3,750,000	\$10,000,000
Systemwide	Environmental Program	\$2,000,000	\$500,000	\$2,500,000	\$2,500,000
	Section 5307 MBTA Match Total	\$134,000,000	\$33,500,000	\$167,500,000	

Draft FFYs 2011-14 TIP FFY 2013

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Section 5307 cont.

		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Cape Ann	Cape Ann Transportation Authority	\$501,362	\$125,341	\$626,703	
MetroWest	MetroWest Transportation Authority	\$1,446,082	\$361,521	\$1,807,603	
Section 5307 State Match Total		\$1,947,444	\$486,862	\$2,434,306	

Section 5309 Infrastructure Program

		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>	
Systemwide	Kawasaki Coaches	\$20,000,000	\$5,000,000	\$25,000,000	\$13,750,000
Systemwide	Locomotive and Coach Procurement	\$5,000,000	\$1,250,000	\$6,250,000	\$37,500,000
Subway	Station Platform Program	\$0	\$0	\$0	\$8,750,000
Commuter Rail	CRASP	\$8,000,000	\$2,000,000	\$10,000,000	\$1,250,000
Subway	Vehicle Programs	\$22,000,000	\$5,500,000	\$27,500,000	
Red Line	Columbia Junction	\$7,000,000	\$1,750,000	\$8,750,000	\$8,750,000
Systemwide	Bridge and Tunnel Program	\$12,000,000	\$3,000,000	\$15,000,000	\$7,500,000
Systemwide	Track Upgrades	\$15,000,000	\$3,750,000	\$18,750,000	\$6,250,000
Systemwide	Signal Systems Upgrades	\$5,000,000	\$1,250,000	\$6,250,000	\$6,250,000
Section 5309 MBTA Match Total		\$94,000,000	\$23,500,000	\$117,500,000	

Federal-Aid Subtotal

\$228,000,000

Federal-Aid State Matching Funds Subtotal

\$486,862

Federal-Aid MBTA Matching Funds Subtotal

\$57,000,000

Total FFY 2013 Regional Transit Funds \$287,434,306

Total FFY 2013 TIP Total \$785,214,026

Draft FFYs 2011-14 TIP

FFY 2014

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Indicates 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>	
Boston	604761 South Bay Harbor Trail (construction)	\$3,080,000	\$770,000	\$3,850,000	moved from 2010
		<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>	
Boston Region	Clean Air and Mobility Program	\$1,600,000	\$400,000	\$2,000,000	\$2,000,000
		\$1,600,000	\$400,000	\$5,850,000	
		<i>Minimum CMAQ Regional Target</i>		<i>\$8,593,420</i>	

National Highway System

		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Dedham, Needham & Westwood	603206 Route 128 Improvement Program Contract 4, Year Six of Six	\$9,200,000	\$2,300,000	\$11,500,000	
Needham & Wellesley	603711 Route 128 Improvement Program Contract 5, Year Three of Six	\$11,920,000	\$2,980,000	\$14,900,000	
		\$21,120,000	\$5,280,000	\$26,400,000	

Surface Transportation Program

		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$15,374,126	\$3,843,532	\$19,217,658	\$17,100,000
		\$15,374,126	\$3,843,532	\$19,217,658	

Highway Safety Improvement Program (HSIP) Project

		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>	
Concord & Lincoln	602984 Route 2 (Crosby's Corner)	\$3,867,039	\$429,671	\$4,296,710	
		\$3,867,039	\$429,671	\$4,296,710	
		<i>Minimum HSIP Regional Target</i>		<i>\$4,296,710</i>	

Draft FFYs 2011-14 TIP

FFY 2014

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FEDERAL-AID TARGET PROJECTS cont.

Surface Transportation Program/Enhancement

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

moved from 2013

Total Regional Target Programming **\$56,764,368**
**Boston Region MPO Regional Target with State Match* *\$56,722,788*

*Boston Region MPO Target minus AC projects and ongoing programs is then actualized by 4% for 2011, 2012, and 2013

state target	\$57,408,851 less AC/programs	\$5,494,483
less AC/programs multiplied by 1.04 for 2012, 2013 and 2014	\$6,180,546 difference	\$686,063
state target less difference (new target)	\$56,722,788	

Discussions regarding the distribution of the additional \$31M obligation authority (OA) provided to the Commonwealth are ongoing. The Massachusetts Association of Regional Planning Agencies (MARPA) and MassDOT will provide information regarding the additional OA prior to the final publication of the Boston Region MPO TIP.

FEDERAL AID NON-TARGET PROJECTS

High-Priority Projects (TEA-21)

			<i>Federal Funds</i>	<i>State/Local Funds</i>	<i>Total Funds</i>
Somerville	601820	Beacon Street Construction (HPP 248)	\$2,064,248	\$516,062	\$2,580,310

High-Priority Projects (SAFETEA-LU)

Boston		East Boston Haul Road Design (HPP 2032)	\$1,344,000	\$336,000	\$1,680,000
Cambridge	605188	Cambridge Common (Construction HPP 3536)	\$899,899	\$224,975	\$1,124,874
High-Priority Projects Total			\$5,385,184		

Draft FFYs 2011-14 TIP

FFY 2014

<i>Indicates a change in project cost</i>
<i>Indicates removed from TIP (cost not reflected in total)</i>
<i>Indicates a project moved in from another TIP element</i>
<i>Indicates a project moved out to another TIP element (cost not reflected in total)</i>
<i>Indicates a new addition to the TIP (action taken as denoted)</i>
<i>Indicates a new funding category</i>

FEDERAL-AID BRIDGE PROJECTS

Bridge		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Bridge Total				
Advance Construction Bridge		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Boston	604517 Chelsea Street Bridge	\$8,000,000	\$2,000,000	\$10,000,000
Boston	603370 Route 99 (Alford Street) over Mystic River	\$6,880,000	\$1,720,000	\$8,600,000
Dedham, Needham & Westwood	603206 Route 128 Improvement Program Contract 4	\$10,400,000	\$2,600,000	\$13,000,000
Needham, Wellesley	603711 Route 128 Improvement Program	\$12,000,000	\$3,000,000	\$15,000,000
Advance Construction Bridge Total		\$37,280,000	\$9,320,000	\$46,600,000
				Federal-Aid Bridge Total
				\$46,600,000
Accelerated Bridge Program - Federal Aid GANs Projects**		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Peabody	603531 Howley Street over the North River			\$0
Accelerated Bridge Program Total				\$0

project will be funded with NFA in year 5 (2013) of ABP

**GANs conversion to federal aid to begin in 2015

FEDERAL AID MAJOR INFRASTRUCTURE AND STATEWIDE CATEGORIES

Interstate Maintenance		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Foxborough to Franklin	606176 Interstate 195	\$13,854,456	\$1,539,384	\$15,393,840
Interstate Maintenance Total		\$13,854,456	\$1,539,384	\$15,393,840

Draft FFYs 2011-14 TIP

FFY 2014

<i>Indicates a change in project cost</i>
<i>Indicates removed from TIP (cost not reflected in total)</i>
<i>Indicates a project moved in from another TIP element</i>
<i>Indicates a project moved out to another TIP element (cost not reflected in total)</i>
<i>Indicates a new addition to the TIP (action taken as denoted)</i>
<i>Indicates a new funding category</i>

National Highway System Pavement Preservation	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Randolph to Canton 605607 Route 24	\$1,249,280	\$312,320	\$1,561,600
National Highway System Pavement Preservation Total	\$1,249,280	\$312,320	\$1,561,600

Total Highway Program \$79,104,992

<i>CENTRAL ARTERY/TUNNEL PROJECT</i>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
National Highway System (NHS)	\$70,000,000		\$70,000,000
Bridge			
State Transportation Program (STP)/ Flex	\$86,555,000		\$86,555,000
State Transportation Program (STP)	\$20,000,000		\$20,000,000

Federal-Aid Subtotal	\$176,555,000		
Federal-Aid Matching Funds Subtotal			\$176,555,000
Total Federal Fiscal Year 2013 Central Artery/Tunnel Funds			\$176,555,000

Commonwealth Funding Commitments

<i>STATE IMPLEMENTATION PLAN</i>	<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Green Line Extension Project***	\$100,000,000	\$150,000,000	\$250,000,000
1,000 Parking Spaces			\$1,100,000
State Implementation Plan Total			\$251,100,000

***Green Line cash flows assume FTA New Starts funding. Should New Starts funding not be awarded, the Commonwealth will assume financing of the project. Green Line Extension Project is defined as extension to College Avenue with the Union Square Spur.

Draft FFYs 2011-14 TIP

FFY 2014

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 Transit Program

Section 5307		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Systemwide	Locomotive and Coach Procurement	\$39,000,000	\$9,750,000	\$48,750,000
Systemwide	ITS Initiatives	\$2,000,000	\$500,000	\$2,500,000
Systemwide	Power Improvements	\$24,000,000	\$6,000,000	\$30,000,000
Systemwide	Station Rehab	\$6,000,000	\$1,500,000	\$7,500,000
Green Line	MBTA Accessibility Program (LRAP)	\$7,000,000	\$1,750,000	\$8,750,000
Systemwide	Station Management Program	\$13,000,000	\$3,250,000	\$16,250,000
Bus	Everett Maintenance Facility	\$2,000,000	\$500,000	\$2,500,000
Systemwide	Elevator Replacement /Rehabilitation	\$4,000,000	\$1,000,000	\$5,000,000
Systemwide	Preventive Maintenance	\$12,000,000	\$3,000,000	\$15,000,000
Systemwide	Maintenance Facilities - Equipment	\$2,000,000	\$500,000	\$2,500,000
Systemwide	Parking Program	\$4,000,000	\$1,000,000	\$5,000,000
Systemwide	Station Accessibility Program	\$14,000,000	\$3,500,000	\$17,500,000
Commuter Rail	Commuter Rail Accessibility	\$3,000,000	\$750,000	\$3,750,000
Systemwide	Environmental Program	\$2,000,000	\$500,000	\$2,500,000
Section 5307 MBTA Match Total		\$134,000,000	\$33,500,000	\$167,500,000

Section 5307 cont.

		<i>Federal Funds</i>	<i>State Funds</i>	<i>Total Funds</i>
Cape Ann	Cape Ann Transportation Authority	\$501,362	\$125,341	\$626,703
MetroWest	MetroWest Transportation Authority	\$1,446,082	\$361,521	\$1,807,603
Section 5307 State Match Total		\$1,947,444	\$486,862	\$2,434,306

Draft FFYs 2011-14 TIP

FFY 2014

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 Transit Program cont.

Section 5309 Infrastructure Program		<i>Federal Funds</i>	<i>MBTA Funds</i>	<i>Total Funds</i>
Systemwide	Kawasaki Coaches	\$20,000,000	\$5,000,000	\$25,000,000
Systemwide	Locomotive and Coach Procurement	\$19,000,000	\$4,750,000	\$23,750,000
Subway	Vehicle Programs	\$22,000,000	\$5,500,000	\$27,500,000
Red Line	Columbia Junction	\$7,000,000	\$1,750,000	\$8,750,000
Systemwide	Bridge and Tunnel Program	\$6,000,000	\$1,500,000	\$7,500,000
Systemwide	Track Upgrades	\$15,000,000	\$3,750,000	\$18,750,000
Systemwide	Signal Systems Upgrades	\$5,000,000	\$1,250,000	\$6,250,000
Section 5309 MBTA Match Total		\$94,000,000	\$23,500,000	\$117,500,000
Federal-Aid Subtotal		\$228,000,000		
Federal-Aid State Matching Funds Subtotal			\$486,862	
Federal-Aid MBTA Matching Funds Subtotal				\$57,000,000
		Total FFY 2014 Regional Transit Funds		\$287,434,306
		Total FFY 2014 TIP Total		\$794,194,298

MBTA Federal Funding Program

As of 5/12/2010

Section	Title	FY08 (Fed. Portion)	FY09 (Fed. Portion)	FY10 (Fed. Portion)	Total FY08-FY10 (Fed. Portion)	Amendment May 2010	Total FY08-FY10 After Amendment	FY11 (Fed. Portion)	FY12 (Fed. Portion)	FY13 (Fed. Portion)	FY14 (Fed. Portion)
Section 5307											
Systemwide	Locomotive and Coach Procurement		19,200,000	12,000,000	31,200,000		31,200,000	40,000,000	47,000,000	37,000,000	39,000,000
Systemwide	ITS Initiatives		4,000,000	1,800,000	5,800,000		5,800,000	4,000,000	3,000,000	2,000,000	2,000,000
Systemwide	Power Improvements		4,000,000	7,000,000	11,000,000		11,000,000	11,000,000	23,000,000	24,000,000	24,000,000
Systemwide	Station Rehab		4,000,000	8,000,000	12,000,000		12,000,000	10,000,000	8,000,000	6,000,000	6,000,000
Green Line	MBTA Accessibility Program (LRAP)		21,600,000	12,000,000	33,600,000	(16,000,000)	17,600,000	7,000,000	7,000,000	7,000,000	7,000,000
Blue Line	Blue Line Vehicles										
Systemwide	Station Management Program		2,800,000		2,800,000		2,800,000			13,000,000	13,000,000
Bus	CNG Bus Overhaul Program		12,000,000	10,000,000	22,000,000		22,000,000	3,000,000			
Bus	Everett Maintenance Facility	6,400,000	4,400,000	5,000,000	15,800,000		15,800,000	4,000,000	2,000,000	4,000,000	2,000,000
Systemwide	Redundant Operations Control Center										
Systemwide	Elevator Replacement /Rehabilitation		25,862,679	5,000,000	30,862,679		30,862,679	3,000,000	4,000,000	4,000,000	4,000,000
Systemwide	Grant Application Notes (GANs) Program		19,985,000	18,000,000	37,985,000		37,985,000	7,000,000			
Systemwide	MBTA Enhancement Program		1,354,482		1,354,482		1,354,482				
Systemwide	Preventive Maintenance		10,000,000	10,000,000	20,000,000		20,000,000	12,000,000	12,000,000	12,000,000	12,000,000
Systemwide	Bus and Train Arrival LCD Signage		4,800,000	2,400,000	7,200,000		7,200,000				
New	Orange Line	2,000,000		1,600,000	3,600,000		3,600,000				
New	Systemwide	3,000,000			3,000,000		3,000,000	1,000,000	2,000,000		2,000,000
New	Commuter Rail	3,652,319			7,252,319		7,252,319	3,000,000	3,000,000		
New	Systemwide			5,600,000	5,600,000		5,600,000	4,000,000		2,000,000	
New	Systemwide			5,000,000	5,000,000	16,000,000	21,000,000	4,000,000	4,000,000	4,000,000	4,000,000
New	Systemwide			16,000,000	16,000,000		16,000,000	16,000,000	14,000,000	14,000,000	14,000,000
New	Commuter Rail			5,000,000	5,000,000		5,000,000	3,000,000	3,000,000	3,000,000	3,000,000
New	Systemwide			2,000,000	2,000,000		2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
New	Ferry System			4,000,000	4,000,000		4,000,000				
Section 5307 Total		15,052,319	134,002,161	134,000,000	283,054,480	-	283,054,480	134,000,000	134,000,000	134,000,000	134,000,000
Section 5309 Infrastructure											
Blue Line	Blue Line Modernization		21,600,000	8,500,000	30,100,000	(30,100,000)	-	7,000,000			
Red Line	Red Line No. 2 Car Overhaul	2,678,793	14,190,124	14,000,000	30,868,917		30,868,917	8,000,000			
Systemwide	Kawasaki Coaches		1,600,000	2,000,000	3,600,000		3,600,000		6,000,000	20,000,000	20,000,000
Systemwide	Locomotive and Coach Procurement		33,295,500	8,000,000	41,295,500		41,295,500	8,000,000	5,000,000	5,000,000	19,000,000
New	Green Line			1,000,000	1,000,000		1,000,000	2,000,000			
New	Subway			7,000,000	7,000,000		7,000,000	3,000,000	4,000,000		
New	Commuter Rail			8,500,000	8,500,000		8,500,000	5,000,000	8,000,000	8,000,000	
New	Subway			22,000,000	22,000,000		22,000,000	11,000,000	22,000,000	22,000,000	22,000,000
Red Line	Columbia Junction		10,400,000	7,000,000	17,400,000	(17,400,000)	-	4,000,000	2,000,000	7,000,000	7,000,000
Systemwide	Power Improvements	4,000,000	7,080,000		11,080,000		11,080,000				
Systemwide	Bridge and Tunnel Program	11,924,000	4,800,000	6,000,000	22,724,000	30,100,000	52,824,000	8,000,000	9,000,000	12,000,000	6,000,000
New	Systemwide			5,000,000	5,000,000		5,000,000	33,000,000	33,000,000	15,000,000	15,000,000
New	Systemwide			5,000,000	5,000,000	17,400,000	22,400,000	5,000,000	5,000,000	5,000,000	5,000,000
Section 5309 Infrastructure Program Total		18,602,793	92,965,624	94,000,000	205,568,417	-	205,568,417	94,000,000	94,000,000	94,000,000	94,000,000
CMAQ flex											
Commuter Rail	Locomotive Procurement					30,000,000	30,000,000	25,000,000	20,000,000		
Bus	CLAMP-bus bike rack					217,785	217,785				
CMAQ flex Total		-	-	-	-	30,217,785	30,217,785	25,000,000	20,000,000	-	-
Section 5309 Earmark Funds (Carryover)											
Commuter Ferry	Hingham Marine Intermodal		2,031,480		2,031,480						
Commuter Rail	Auburndale Station Newton RT Accessibility (FFY09)		380,000		380,000						
Commuter Rail	Salem Intermodal (FFY09)		451,440		451,440						
Commuter Rail	Salem/Beverly Intermodal (FFY09)		391,875		391,875						
Commuter Rail	Fitchburg Line Improvements Small Starts (FFY09)		29,700,000		29,700,000						
Commuter Ferry	MBTA Ferry System (FFY09)		2,500,000		2,500,000						
Bus	Woburn Park & Ride/Magazine Hill (FFY09)		406,296		406,296						
Commuter Rail	Rockport Station Improvements (FY09)		620,730		620,730						
Bus	Medford Downtown Revit., Park & Ride (FFY09)		451,440		451,440						
Orange Line	Assembly Square Exempt New Starts (FFY10)			1,000,000	1,000,000						
Commuter Rail	Fitchburg Line Improvements Small Starts (FFY10)			37,452,000	37,452,000						
Commuter Rail	Salem/Beverly Intermodal (FFY10)			700,000	700,000						
Commuter Rail	Auburndale Station Newton RT Accessibility (FFY10)			1,000,000	1,000,000						
Blue Line	Wonderland Intermodal Improvements (FFY10)			750,000	750,000						

MBTA Federal Funding Program

As of 5/12/2010

Earmark Carryover Total		-	36,933,261	40,902,000	77,835,261	-	-	-	-	-
TIGGER										
Environmental	Kingston/Newburyport Layover-Wind Turbine Program			2,500,000	2,500,000					
TIGGER Total		-	-	2,500,000	2,500,000	-	-	-	-	-
TIGER										
Blue Line	Wonderland TOD Plaza			20,000,000	20,000,000					
TIGGER Total		-	-	20,000,000	20,000,000	-	-	-	-	-
Section 5339										
Alt. Anal.	Belmont Station Consolidation Planning Study		142,500		142,500	142,500	142,500			
Section 5339 Total		-	142,500	-	142,500	142,500	142,500	-	-	-
Grand Total		33,655,112	264,043,546	291,402,000	589,100,658	488,765,397	228,000,000	228,000,000	228,000,000	228,000,000



BOSTON REGION METROPOLITAN PLANNING ORGANIZATION

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Jeffrey B. Mullan
MassDOT Secretary and CEO
and MPO Chairman

Arnold J. Soolman
Director, MPO Staff

The Boston Region MPO,
the federally designated
entity responsible for
transportation decision-
making for the 101 cities
and towns in the MPO
region, is composed of:

MassDOT Office of Planning and
Programming

City of Boston

City of Newton

City of Somerville

Town of Bedford

Town of Braintree

Town of Framingham

Town of Hopkinton

Metropolitan Area Planning Council

Massachusetts Bay Transportation
Authority Advisory Board

Massachusetts Bay Transportation
Authority

MassDOT Highway Division

Massachusetts Port Authority

Regional Transportation Advisory
Council (nonvoting)

Federal Highway Administration
(nonvoting)

Federal Transit Administration
(nonvoting)

MEMORANDUM

DATE August 19, 2010
TO Transportation Planning and Programming Committee
of the Boston Region Metropolitan Planning Organization
FROM Arnold J. Soolman, CTPS Director
RE Work Program for: 2010 Freight Study – A Profile of Truck Impacts

ACTION REQUIRED

Review and approval

PROPOSED MOTION

That the Transportation Planning and Programming Committee of the Boston Region Metropolitan Planning Organization vote to approve the work program for 2010 Freight Study – A Profile of Truck Impacts in the form of the draft dated August 19, 2010.

PROJECT IDENTIFICATION

Unified Planning Work Program Classification

Technical Support/Operations Analysis Projects

CTPS Project Number

11139

Client

Boston Region MPO

CTPS Project Supervisors

Principal: Karl Quackenbush

Manager: Mike Callahan

Funding

MassDOT 3C PL Highway Planning Contract #59796

IMPACT ON MPO WORK

This is MPO work and will be carried out in conformance with the priorities established by the MPO.

BACKGROUND

An efficient freight transportation system is an important contributor to a strong economy. Motor freight transportation is also a significant contributor to congestion and crashes, and accelerates the deterioration of roads and bridges. These are among the reasons federal transportation legislation encourages metropolitan planning organizations (MPOs) to consider freight movements and issues during the metropolitan transportation planning process.

The findings of MassDOT's draft State Freight and Rail Plan reinforce the importance of studying freight movements in the Boston region. The draft Plan predicts that freight volumes in the state will increase 70 percent between 2007 and 2030. Freight transportation relies on the same road and rail networks that people use to access their everyday needs. Therefore, the predicted increase of freight volume will add congestion to a regional transportation system that is already strained during peak hours, and will affect system performance of both freight and passenger travel.

The projected increase in freight volume will have a particularly acute effect on the highway system. It is estimated that 94 percent of the current freight volume in Massachusetts is moved by trucks. The statewide plan also predicts that the truck mode share will increase between 2007 and 2030. Recommended by the draft State Freight and Rail Plan are several investments that support shifting freight, when feasible, from trucks to trains and ships in order to mitigate some of the harmful effects of trucking in Massachusetts. While increasing the share of freight moved by other modes would yield benefits for the region's road network, trucks will most likely continue to distribute the vast majority of freight within the Boston Region MPO area. Therefore, better understanding the general nature of truck movements, and their effects on the transportation system, is an important first step to prepare for the anticipated increase of freight traffic in the region.

This study will examine how, where, and to what extent trucks affect the region's transportation system. It will provide a profile of truck impacts in the region containing information about truck volumes, truck-involved crashes, and truck emissions. Knowledge about the impact of trucks will be useful to the MPO when considering the freight benefits of projects and it will provide a foundation from which to conduct future freight planning.

OBJECTIVES

The principle objectives of this work program are:

1. To examine how, where, and to what extent trucks affect the region's transportation system.
2. To improve the Boston Region MPO staff's capacity to conduct freight planning and analyze projects and programs for their freight benefits.

WORK DESCRIPTION

The work required to accomplish the study objectives has been grouped into five tasks:

Task 1 Estimate Existing Truck Volumes by Movement Type

The CTPS truck model will be used to estimate the share of the total volume of truck traffic in the Boston region traveling inbound, outbound, through, and internally.

Product of Task 1

A table depicting the inbound, outbound, internal, and through shares for truck traffic.

Task 2 Identify Areas in the Region with High Truck Volumes

Subtask 2.1 Highway segments in the region with relatively high truck volumes will be identified using a database of highway classification counts conducted by MassDOT's Highway Division. Staff may conduct counts in additional locations if desirable. This analysis will focus on large trucks, with six wheels or more, rather than smaller trucks such as pickups and vans.

Subtask 2.2 The CTPS truck model will be used to estimate truck trip ends at the geographical scale of transportation analysis zones. This will produce a picture of where trucks are going in the region and where they may be causing the greatest burden. The model will also be used to predict truck trip ends in 2030 based on the MetroFuture land use plan.

Products of Task 2

- Maps depicting locations with relatively high volumes of large trucks on the region's highway network
- Tables depicting truck volumes as a fraction of total volume at key locations in the region during the peak travel hour and on a daily basis
- A map depicting the density of truck trip ends in the region by transportation analysis zone

Task 3 Identify Areas with High Truck Crash Rates

Crash data are not typically disaggregated by type of vehicle. In this task, Boston Region MPO staff will use the MassDOT Registry of Motor Vehicles Division's crash database to analyze data on crashes involving large trucks. Locations with a relatively high truck crash rate will be identified. These locations will be plotted spatially in related to truck traffic volumes to ascertain whether the crash rate is proportional to those volumes or not. Crashes involving heavy trucks will also be studied to determine if these crashes result in greater property damage and more severe injuries than crashes that do not involve trucks.

Products of Task 3

- Maps depicting locations with relatively high numbers and rates of truck crashes
- A table depicting the value of property damage and injuries resulting from truck crashes relative to all other crashes

Task 4 Estimate the Share of Transportation-Related Greenhouse Gas Emissions, and Other Mobile Source Emissions, Generated by Trucks

The CTPS truck model will be used to estimate the annual vehicle-miles of travel (VMT) of trucks of various use categories. Emissions factors will be applied to the VMT estimates to estimate the annual emissions of various pollutants produced by trucks.

Products of Task 4

- Tables depicting estimated emissions and estimated VMT from various truck categories

Task 5 Document the Results

The results of Tasks 1 through 4 will be documented in a technical memorandum.

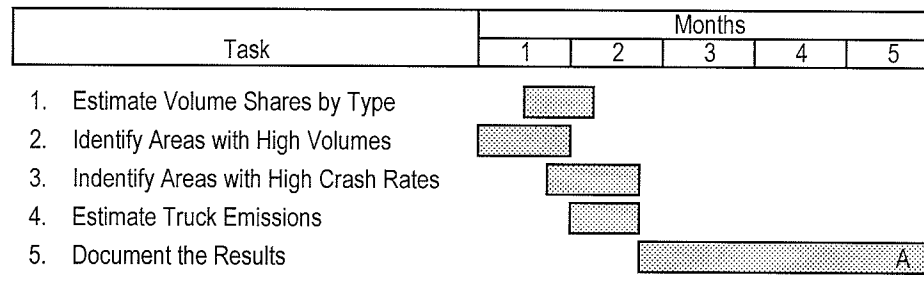
ESTIMATED SCHEDULE

It is estimated that this project will be completed five months after the notice to proceed is received. The proposed schedule, by task, is shown in Exhibit 1.

ESTIMATED COST

The total cost of this project is estimated to be \$39,994. This includes the cost of 19.0 person-weeks of staff time, overhead at the rate of 90.69 percent, and travel costs. A detailed breakdown of estimated costs is presented in Exhibit 2.

Exhibit 1
ESTIMATED SCHEDULE
2010 Freight Study – A Profile of Truck Impacts



Products

A: Technical memorandum

Exhibit 2
ESTIMATED COST
 2010 Freight Study – A Profile of Truck Impacts

Direct Salary and Overhead **\$39,794**

Task	Person-Weeks							Direct Salary	Overhead (@ 90.69%)	Total Cost
	M-1	P-5	P-4	P-3	P-2	P-1	Total			
1. Estimate Volume Shares by Type	0.2	0.0	0.0	1.5	0.3	0.0	2.0	\$2,127	\$1,929	\$4,056
2. Identify Areas with High Volumes	0.0	2.5	0.0	0.0	2.0	0.0	4.5	\$5,697	\$5,166	\$10,863
3. Indentify Areas with High Crash Rates	0.0	0.0	3.0	0.0	1.5	0.0	4.5	\$4,941	\$4,481	\$9,422
4. Estimate Truck Emissions	0.2	0.0	0.0	1.5	0.5	0.0	2.2	\$2,298	\$2,084	\$4,382
5. Document the Results	1.0	0.0	1.0	0.0	2.9	0.7	5.6	\$5,806	\$5,265	\$11,071
Total	1.4	2.5	4.0	3.0	7.2	0.7	18.8	\$20,869	\$18,926	\$39,794

Other Direct Costs **\$200**

Travel \$200

TOTAL COST **\$39,994**

Funding
 MassDOT 3C PL Highway Planning Contract #59796