

Development of the FFYs 2014-2017 TIP



Be Informed, Be Involved Sessions

January 16, 2013



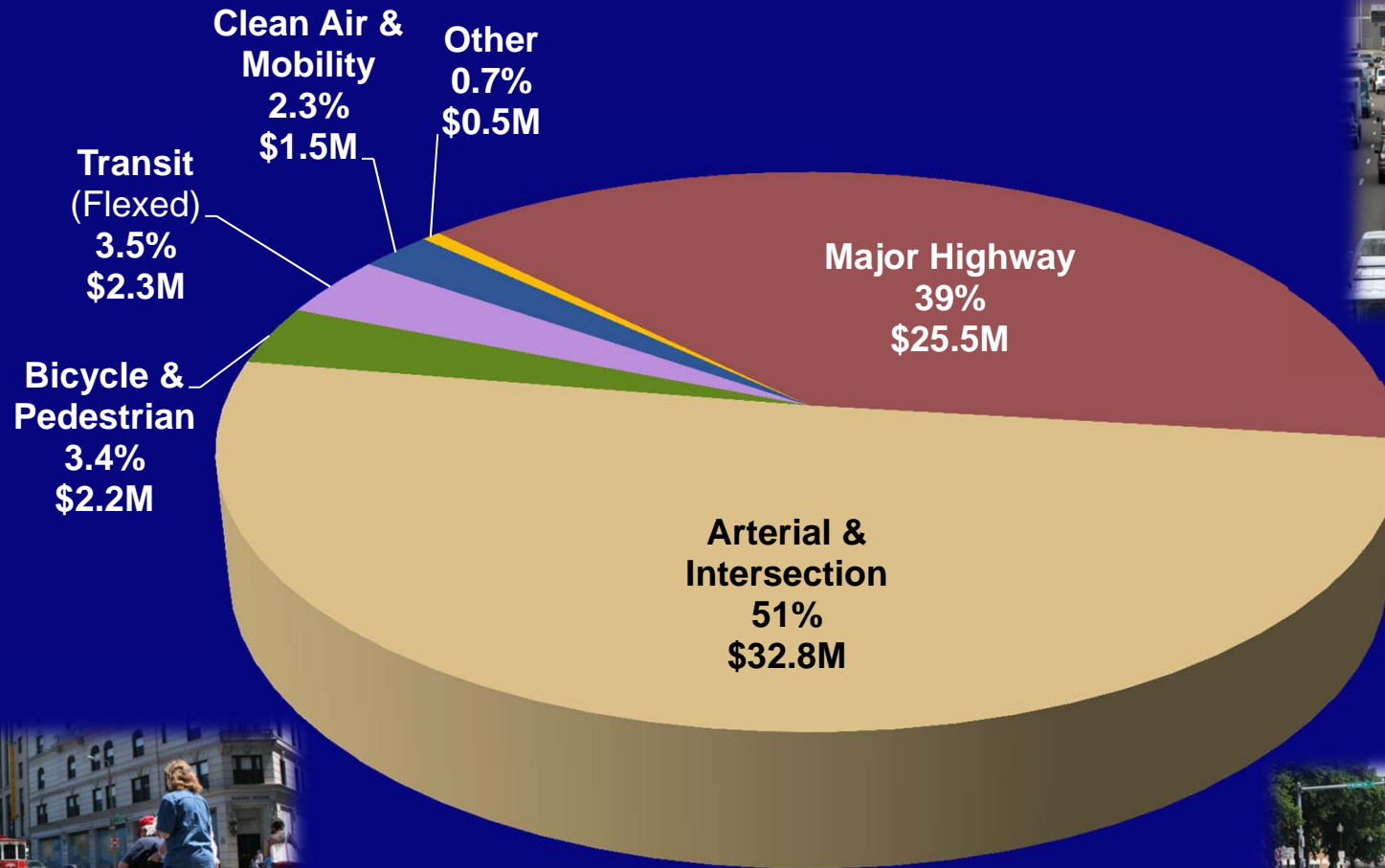
Boston Region Metropolitan Planning Organization

TIP Overview

The **Transportation Improvement Program (TIP)** is a short-term capital program that funds priority transportation projects voted upon by the members of the Boston Region MPO.

- Implementation arm of the LRTP
- Fiscally constrained
- Meet air quality conformity determination
- Updated annually

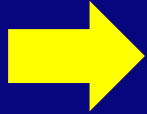
FFYs 2008-16 TIP Target Program



Annual Average: \$65 million



2012 TIP Project Selection Process



Universe of Projects
All Projects (at the conceptual and pre-TIP stage)
being considered for federal funds in the FFYs 2013-16 TIP.
**[Over 135 projects
(More than \$775 million)]**

Projects Evaluated
Projects for which staff has enough information to conduct a complete
evaluation. Typically requires a Functional Design Report (FDR).
**[More than 40 projects
(+/- \$235 million)]**

First Tier List of Projects
Projects that score well and could be made ready for
advertising in the 2013-16 TIP.
**[15 projects
(+/- \$120 million)]**

Staff Recommendation
New projects proposed by staff
to be funded in the FFYs 2013-16 TIP.
**[10-11 projects
(+/- \$75 million)]**

Compile Universe of Projects

- Outreach to 101 cities and towns
 - Letter to chief elected officials & TIP contacts
 - MAPC subregions & TIP-Building workshops
- TIP contacts identify priority projects
 - Update existing projects on TIP Interactive Database
 - Submit new project requests to TIP Manager

Project Funding Application Forms – due February 1

User ID:

Password:

Maintenance, Modernization and Efficiency

20 Existing Pavement Condition
 Pavement Roughness (IRI):
 IRI Year
 250.72 2006 Fair

21 Degree of Bicycle/Pedestrian Provisions
 Sidewalks: **both sides**

≥ Four-Foot Shoulder Signed Bicycle Route Bicycle Trail Striped Bicycle Lane

P2 What are the infrastructure condition needs or issues of the project area?

The safety improvements for the Route 85 roadway reconstruction project will include traffic signal retiming and channelization changes, new sidewalks meeting ADA standards and will improve pedestrian safety, drainage improvements, and resurfacing to improve vehicular rideability. Various intersection geometric improvements will also be conducted under this proposed project.

P3 How does this project address the infrastructure condition needs or issues in the project area?

Sections of the roadway have been resurfaced (at the intersections during a signal modification contract), while remaining sections are deteriorated and structurally deficient. Signals in the corridor have recently been replaced and it is anticipated that only minor improvements to the intersections will be required. The project seeks to reconstruct the roadway and provide for a new corridor meeting current design standards.

Maintenance, Modernization and Efficiency Evaluation and Score (36 total points possible):

| | |
|-----------------------------------------------------------------------|----|
| <i>Improves substandard pavement</i> | 4 |
| <i>Improves substandard signal equipment condition</i> | 2 |
| <i>Improves traffic signal operations</i> | 6 |
| <i>In a Congestion Management Process Identified Area</i> | 4 |
| <i>Improves intermodal accommodations/connections to transit</i> | 0 |
| <i>Implements ITS strategies other than traffic signal operations</i> | 0 |
| <i>Sum of Evaluation Scores</i> | 16 |

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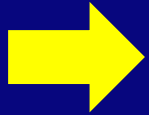
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SUBCATEGORY

CATEGORY

- Improves substandard pavement
- Improves substandard signal equipment condition
- Improves traffic signal operations
- In a Congestion Management Process identified area
- Improves intermodal accommodations/connections to transit
- Implements ITS strategies other than traffic signal operations

Maintenance, Modernization and Efficiency

36

- Design is consistent with complete streets policies
- Provides multimodal access to an activity center
- Reduces auto dependency
- Project serves a targeted redevelopment site
- Provides for development consistent with the goals of MetroFuture
- Improves the Quality of Life

Livability and Economic Benefit

28

- Existing peak hour Level of Service (LOS)
- Improves an MPO or State identified freight movement issue
- Improves proponent identified primary mobility issue
- Improves MPO identified mobility issue
- Project reduces congestion
- Improves transit reliability

Mobility

25

- Air quality (improves/degrades)
- CO2 reduction
- Project is in an EOEEA certified Green Community
- Project reduces VMT/VHT
- Improves identified environmental impact

Environment and Climate Change

25

- Improves transit for an EJ population
- Design is consistent with complete streets policies in an EJ area
- Improves an MPO identified EJ transportation issue

Environmental Justice

10

- Improves emergency response
- Improves ability to respond to extreme conditions
- EPDO/Injury Value
- Improves proponent identified primary safety need
- Improves MPO identified primary safety issue
- Improves freight related safety issue
- Improves bicycle safety
- Improves pedestrian safety
- Improves safety or removes an at grade railroad crossing

Safety and Security

29

Project Rating

Project Evaluations

- Score new projects (**FDR required**)
- Update score of existing projects
- Calculate greenhouse gas emission impacts by project

Post Project Evaluation Results – March 4



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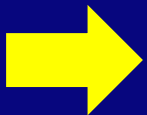
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First-Tier List of Projects

| Municipality(s) | Project Name | Project Evaluation Rank | Design Status |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|
| Boston | Improvements to Commonwealth Avenue, From Armory Street to Alcorn Street | #1, 93 points | 25% received |
| Boston | Reconstruction of Causeway Street (Pedestrian & Bicycle Improvements) | #1, 93 points | 25% received |
| Salem | Reconstruction on Canal Street, From Washington Street & Mill Street to Loring Avenue & Jefferson Avenue | #3, 83 points | 25% received |
| Beverly | Reconstruction & Signal Improvements on Rantoul Street (Route 1A) From Cabot Street (South) to Cabot Street (North) | #5, 81 points | 25% received |
| Brookline | Intersection & Signal Improvements at Route 9 & Village Square (Gateway East) | #6, 79 points | 25% received |
| Bedford, Billerica, Burlington | Middlesex Turnpike Improvements, From Crosby Drive North to Manning Road. Phase III | #7, 77 points | pre-25%/75% |
| Natick | Reconstruction of Route 27 (North Main Street), From North Avenue to the Wayland Town Line | #9, 75 points | 25% received |
| Melrose | Intersection & Signal Improvement to Lebanon Street, From Lynde Street to Main Street | #12, 73 points | 100% received |
| Quincy | Intersection & Signal Improvements at Hancock Street & East/West Squantum Streets | #12, 73 points | 75% received |
| Newton | Reconstruction & Signal Improvements on Walnut Street, From Homer Street to Route 9 | #14, 72 points | 25% received |
| Danvers | Reconstruction of Liberty Street, From Route 128 to Water/High Street Intersection | #16, 71 points | 100% received |
| Winchester, Stoneham, Woburn | Tri-Community Bikeway | #17, 70 points | 25% approved |
| Medway | Reconstruction on Route 109, From Holliston Street to 100 Feet West of Highland Street | #18, 69 points | 25% received |
| Lynn | Reconstruction on Route 129 (Lynnfield Street), From Great Woods Road to Wyoma Square | #19, 68 points | 25% received |
| Acton, Maynard | Assabet River Rail Trail | #20, 67 points | 25% received |

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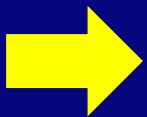
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|----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|
| 606284 | Boston | Improvements to Commonwealth Avenue, From Armory Street to Alcorn Street | #1, 93 points | 25% received |
| 606320 | Boston | Reconstruction of Causeway Street (Pedestrian & Bicycle Improvements) | #1, 93 points | 25% received |
| 605146 | Salem | Reconstruction on Canal Street, From Washington Street & Mill Street to Loring Avenue & Jefferson Avenue | #3, 83 points | 25% received |
| 600220 | Beverly | Reconstruction & Signal Improvements on Rantoul Street (Route 1A) From Cabot Street (South) to Cabot Street (North) | #5, 81 points | 25% received |
| 605110 | Brookline | Intersection & Signal Improvements at Route 9 & Village Square (Gateway East) | #6, 79 points | 25% received |
| 29492 | Bedford, Billerica, Burlington | Middlesex Turnpike Improvements, From Crosby Drive North to Manning Road, Phase III | #7, 77 points | pre-25%/75% |
| 605034 | Natick | Reconstruction of Route 27 (North Main Street), From North Avenue to the Wayland Town Line | #9, 75 points | 25% received |
| 601553 | Melrose | Intersection & Signal Improvement to Lebanon Street, From Lynde Street to Main Street | #12, 73 points | 100% received |
| 605729 | Quincy | Intersection & Signal Improvements at Hancock Street & East/West Squantum Streets | #12, 73 points | 75% received |
| 601704 | Newton | Reconstruction & Signal Improvements on Walnut Street, From Homer Street to Route 9 | #14, 72 points | 25% received |
| 601825 | Danvers | Reconstruction of Liberty Street, From Route 128 to Water/High Street Intersection | #16, 71 points | 100% received |
| 604652 | Winchester, Stoneham, Woburn | Tri-Community Bikeway | #17, 70 points | 25% approved |
| 605657 | Medway | Reconstruction on Route 109, From Holliston Street to 100 Feet West of Highland Street | #18, 69 points | 25% received |
| 602077 | Lynn | Reconstruction on Route 129 (Lynnfield Street), From Great Woods Road to Wyoma Square | #19, 68 points | 25% received |
| 604531 | Acton, Maynard | Assabet River Rail Trail | #20, 67 points | 25% received |

Projects Included in Staff Recommendation outside the First-Tier List of Projects

| | | | | |
|--------|-------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| 604810 | Marlborough | Reconstruction of Route 85 (Maple Street) | #21, 66 points | 25% received |
| 602602 | Hanover | Reconstruction of Washington Street (Route 53) and Related Work From the Route 3 Northbound Ramp to Webster Street (Route 123) | #32, 54 points | 25% received |

Draft TIP to Final TIP

April 4 – May 2: MPO review of proposed draft TIP

May 2: MPO votes on Draft TIP for public review

May 6 – June 4: Public reviews Draft TIP

June 4 – June 27: MPO considers public comments on Draft TIP

June 27: MPO takes action on the Draft TIP



Online Resources and Contacts



www.bostonmpo.org/tip

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