

MEMORANDUM

To: Transportation Planning and Programming Committee

July 13, 2009

From: Hayes Morrison
Transportation Improvement Program Manager

Re: Factors in Preparing Staff Recommendation Option Two

All staff recommendations for the TIP are selected utilizing a multi-step process with consideration of a variety of data and inputs. These include: the Boston Region MPO's TIP Criteria and information regarding previous TIP programming, fiscal constraint, and readiness.

First, in preparing this particular recommendation, project programming status was considered. Projects that were included in the Draft FFYs 2009 – 2012 TIP and could feasibly be ready in FFY 2010 or 2011 were moved into those years. The majority of previously programmed projects fell into this category. These programming of these projects used all the available target monies in FFYs 2010 and 2011.

For programming the out-years (2012 and 2013), project readiness is less of a factor. For Option Two, MassHighway statements at Municipal TIP Input Days were used to determine possibly readiness in years 2012 and 2013.

All projects in the FFYs 2010 – 2013 TIP Universe of Projects that met this threshold were considered for Option Two. This list was considerably larger than available funding. At this point, projects were screened using the TIP Criteria and the results of project evaluations; projects with weaker evaluations were removed from consideration.

Projects with strong evaluations still had funding needs that exceeded the targets. Staff then gave special consideration to the following factors:

- Safety
- Bicycle accommodation
- Pedestrian accommodation
- Land Use and Economic Development Scores
- Previous study by CTPS/MAPC
- Previous investment by the Boston Region MPO
- Inclusion in JOURNEY TO 2030 (if warranted)
- Geographic Equity

Considering all of these factors, staff chose the seven projects listed below and detailed in the attached spreadsheet:

Belmont – 604688 – Trapelo Rd.
Chelsea – DM0342 – Beacham and Williams St.

Hanover – 602602 – Route 53

Hudson – 604812 – Route 85

Marlborough – 604697 – Farm Road

Natick – 605034 – Route 27

Winchester, Woburn, Stoneham – 604652 – Tri – Community Bikeway

Projects Included in Options One and Two

| Project ID | Municipality | Project | Description | Design Status | Lastest Submission to MassHighway | Cost | Crash Rate | Bicycle Accommodations | Pedestrian Accommodations | Involved in CTPS Study | In the RTP | EJ Area | Land Use | Economic Development |
|------------|-------------------|--------------------------|--|----------------|-----------------------------------|-------------------------------|---------------------------|------------------------|---------------------------|------------------------|------------|---------|----------|----------------------|
| 87612 | Danvers & Peabody | Route 128 | Safety improvement project that will reconstruct and widen Route 128 to include an outside and inside shoulder. A precast concrete median barrier will be installed. | 100% received | 9/17/2007 | \$34,982,000 | | | | x | | | 2 | 0 |
| 602493 | Bellingham | Pulaski Blvd. | Improvements include widening the roadway, rehabilitating the pavement, improving the signals, and providing pedestrian safety. | 100% submitted | 12/4/2008 | \$2,000,000 (\$13,006,510) | 279 | x | X | | | | 1 | 2 |
| 602133 | Lexington | Route 2 & Waltham St. | Intersection improvement project that will modify state highway traffic signal locations and upgrade the statewide highway lighting system. | 75% submitted | 12/5/2008 | \$1,611,950 | 100 | x | X | | | | 0 | 1 |
| 601820 | Somerville | Beacon St. | Reconstructing to include new sidewalks, curbing, drainage, and signal improvements. | 75% submitted | 3/25/2004 | \$1,319,690 | 60 | X | X | | | x | 4 | 2 |
| 604916 | Norwood | Pleasant St. & Morse St. | Reconstruction of intersection that includes installation of traffic signals, curbing, signage, and upgraded drainage. | 75% submitted | 9/5/2008 | \$923,120 | 19 | x | X | | | | 2 | 1 |
| 114906 | Weymouth | Route 53 | Roadway project includes traffic signals improvements, road widening, and new sidewalks, signs and pavement markings. | 75% submitted | 1/7/2002 | \$2,275,820 | | | | x | | | 2 | 1 |
| 602382 | Everett | Route 99 (Broadway) | Reconstruction to upgrade signal system to include left-turn phasing to improve safety and traffic flow. Also includes sidewalk reconstruction to improve pedestrian safety. | 25% received | 12/4/2008 | \$2,434,140 | 131 | | x | | | x | 2 | 2 |
| 604331 | Somerville | Community Bike Path | Construction of a 2-mile multi-use path that will connect the Minuteman Commuter Bikeway to the Paul Dudley White Paths along the Charles River. | 25% received | 12/15/2006 | \$4,500,000 | 1 | X | X | | | x | 4 | 2 |
| 604761 | Boston | South Bay Harbor Trail | Construction of a multi-use trail and a pedestrian trail originating at Ruggles Station and extending to the Fan Pier. Connects with the existing at Ruggles Southwest Corridor Trail. | 25% submitted | 3/12/2009 | \$3,850,000 | 186 | X | X | | | | 4 | 3 |
| 604687 | Arlington | Mass Ave. | Design of Massachusetts Ave. reconstruction that will include new bicycle and pedestrian accommodations to improve safety. | PRC approved | 12/1/2005 | \$2,650,000 | 104 (#101 out of top 200) | X | X | | | | 4 | 2 |
| 605188 | Cambridge | Cambridge Common | Reconstruction of the bicycle and pedestrian paths in Cambridge Common. | PRC approved | 6/12/2008 | \$1,000,000 | 65 | X | X | | | x | 5 | 1 |
| 601630 | Weymouth | Route 18 | Reconstruction & widening project that includes Bridge W-32-13 Route 18 over the Old Colony Railroad (MBTA). | PRC approved | 12/11/1995 | \$26,100,000 | | | | | x | | 5 | 2 |

Projects Included in Option Two

| Project ID | Municipality | Project | Description | Design Status | Lastest Submission to MassHighway | Cost | Crash Rate | Bicycle Accommodations | Pedestrian Accommodations | Involved in CTPS Study | In the RTP | EJ Area | Land Use | Economic Development |
|------------|------------------------------|----------------------------|---|---------------|-----------------------------------|--------------|------------|------------------------|---------------------------|------------------------|------------|---------|----------|----------------------|
| 604652 | Winchester, Woburn, Stoneham | Tri-Community Bikeway | Bikeway construction project to link Wedgemere Station (Winchester) with Horn Pond (Woburn) and Recreation Park (Stoneham) and provide non-motorized transportation access. | 25% approved | 10/15/2008 | \$5,075,585 | 28 | X | X | | | | 5 | 3 |
| 604688 | Belmont | Trapelo Rd. | Reconstruction project to provide signal, sidewalk, bicycle, and streetscape improvements. Includes construction of new culvert at Beaver Brook to alleviate flooding. | 25% received | 10/22/2007 | \$12,500,000 | 337 | X | X | x | | | 5 | 3 |
| 602602 | Hanover | Route 53 | Intersection improvement that includes installation a new traffic signal, resurfacing, signage, and widening. | 25% submitted | 7/10/2006 | \$850,000 | 8 | x | | x | | | 1 | 1 |
| 604812 | Hudson | Route 85 | Reconstruction project that includes adding left-turn lanes, signalizing intersections, and sidewalks to improve safety, traffic flow, and bicycle and pedestrian accommodations. | 25% submitted | 7/31/2008 | \$8,100,000 | 353 | x | X | | x | | 2 | 3 |
| 605034 | Natick | Route 27 | Reconstruction project that includes minor roadway widening, pavement reconstruction, improved sidewalks, and upgraded signals. | 25% submitted | 6/26/2009 | \$10,129,579 | | | X | | | | | |
| 604697 | Marlborough | Farm Road | Last phase of a three phase reconstruction project that will improve safety through roadway improvements, signalization, and sidewalk accommodations. | 25% submitted | 2/8/2008 | \$2,717,310 | 61 | | x | | | | 1 | 0 |
| DM0342 | Chelsea | Beacham St. & Williams St. | Reconstruction of the corridor to include drainage, lighting, sidewalks, curbing, crosswalks, street trees, signage, and a signal at the Beacham St. and Market St. intersection. | Conceptual | | \$4,500,000 | 72 | x | X | x | | x | 5 | 1 |

Project Included in Option Two But Removed From Option One

| | | | | | | | | | | | | | | |
|--------|--------|-------------|--|---------------|-----------|-------------|----|----------|----------|--|--|--|---|---|
| 601274 | Boston | Tremont St. | Reconstruction of Tremont St. from Court St. to Boylston St. to improve safety through new sidewalks and wheelchair ramps, and the upgrading of traffic control signals. | 25% submitted | 11/9/2006 | \$2,200,000 | 56 | X | X | | | | 5 | 2 |
|--------|--------|-------------|--|---------------|-----------|-------------|----|----------|----------|--|--|--|---|---|

Project Included in Option One But Removed From Option Two

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|--------|---------------------|-----------------|---|---------------|-----------|--------------|-----|----------|----------|---|---|--|---|---|
| 602984 | Concord and Lincoln | Crosby's Corner | Provides safety improvements at Crosby's Corner (intersection of Route 2, Cambridge Turnpike and Route 2A/ the Concord Turnpike). Construction of neighborhood service roads which will be parallel to Route 2 and the constructing a bridge to carry Route 2 over the other routes (grade seperation). Starts at the Bedford Road intersection in Lincoln and extends to 300 feet west of Sandy Pond Road in of Concord. | 75% submitted | 11/7/2008 | \$71,943,985 | 143 | X | X | x | x | | 2 | 2 |
|--------|---------------------|-----------------|---|---------------|-----------|--------------|-----|----------|----------|---|---|--|---|---|