FFYs 2021–25 TIP and Community Connections Project Evaluation Results

February 27, 2020

Matt Genova and Sandy Johnston
Boston Region MPO Staff
Topics for Discussion

• FFYs 2021–25 TIP development timeline
• Project evaluation process
• Summary of evaluated TIP projects
• TIP project evaluation results
• Community Connections project evaluation results
• Next steps
• Discussion
FFYs 2021-25 TIP Development Timeline
FFYs 2021-25 TIP Development Timeline

- Present draft TIP project universe to MPO
- Deadline to submit project information: November 21, 2021
- Project scoring begins: December 4, 2021
- Project scoring concludes: December 9, 2021
- Present project scores to MPO: January 31, 2022
- Draft project scores discussed with proponents: February 3-18, 2022
- Present programming scenarios to MPO: February 27, 2022
- Present readiness updates to MPO: March 5, 2022
- Approve draft TIP for public review: April 19-26, 2022
- Endorse final FFYs 2021-25 TIP: May
TIP Project Evaluation Process
TIP Project Evaluation Process

- Project Universe (November)
- Project Scores (February)
TIP Project Evaluation Process

Project Universe (November) → Project Scores (February)
TIP Project Evaluation Process

Project Universe (November)

Data/Document Collection
- Data: Safety, pavement
- Proponent Questionnaires
- FDRs

Project Scores (February)
TIP Project Evaluation Process

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Proponent/District Conversations
- Readiness for programming
- PRC approval
- Alternative selection

Project Scores (February)
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Project Universe (November)

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Internal Scoring Process
- 7 MPO staff across two departments
- 1 MAPC staff

Project Scores (February)
TIP Project Evaluation Process

Project Universe (November)

Data/Document Collection
- Data: Safety, pavement
- Proponent Questionnaires
- FDRs

Proponent/District Conversations
- Readiness for programming
- PRC approval
- Alternative selection

Internal Scoring Process
- 7 MPO staff across two departments
- 1 MAPC staff

Score Verification Process
- Internal quality assurance
- External proponent review

Project Scores (February)
Summary of Evaluated Projects
Summary of Evaluated Projects

In total, 17 projects were evaluated in FFY 2020

- 14 new projects, 3 returning projects
Summary of Evaluated Projects

FFY 2020 Score Distribution

<table>
<thead>
<tr>
<th>Project Score</th>
<th>Number of Projects</th>
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<td>41-50</td>
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<td>51-60</td>
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<td>71+</td>
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Project Evaluation Results
# Project Evaluation Results

Scores in the top quartile of projects evaluated in FFY 2020 are highlighted in green.

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<td>X/12</td>
<td>X/18</td>
<td>X/134</td>
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**Notes:**
- **SAFE** (Safety)
- **SP&M** (System Preservation / Modernization)
- **CM&M** (Capacity Management / Mobility)
- **CA&SC** (Clean Air / Sustainable Communities)
- **EQUITY** (Transportation Equity)
- **ECON** (Economic Vitality)

**Score Explanation:**
- X/30 indicates the score range for Safety.
- X/29 indicates the score range for System Preservation / Modernization and Capacity Management / Mobility.
- X/16 indicates the score range for Clean Air / Sustainable Communities.
- X/12 indicates the score range for Transportation Equity.
- X/18 indicates the score range for Economic Vitality.
- X/134 indicates the total score range.
Bicycle Network and Pedestrian Connections
Peabody: Independence Greenway at I-95 and Route 1 (610544)

Proponent: Peabody
Cost: $5,865,000
Description:
• Multi-use path connecting two existing sections of Independence Greenway and Border to Boston Trail
• Includes bridge over Route 1

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<td>6/18</td>
<td>53/134</td>
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Belmont: Community Path, Belmont Component of the MCRT (Phase 1) (609204)

Proponent: Belmont
Cost: $16,703,600

Description:

- Multi-use path connecting Fitchburg Cutoff to Belmont Center
- Phase 1 of connection to Mass Central Rail Trail

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<td>8/18</td>
<td>42/134</td>
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</table>
Swampscott: Rail Trail Construction (610666)

Proponent: Swampscott

Cost: $7,700,000

Description:

• Multi-use trail connecting Marblehead Rail Trail to Swampscott Commuter Rail station

• Swampscott portion of East Coast Greenway

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Complete Streets
Chelsea: Targeted Safety Improvements and Related Work on Broadway (609532)

Proponent: MassDOT

Cost: $5,750,000

Description:

- Reconstruction of roadway, including widening sidewalks, improving signals, and enhancing streetscaping
- Focus on addressing HSIP clusters

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<td>4/16</td>
<td>10/12</td>
<td>14/18</td>
<td>83/134</td>
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Woburn: Roadway and Intersection Improvements at Woburn Common (610662)

Proponent: Woburn

Cost: $14,380,000

Description:

• Reconstruction of roadway to address safety and circulation issues around Woburn Common

• Addition of new bike lanes throughout project area

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<td>10/16</td>
<td>4/12</td>
<td>8/18</td>
<td>75/134</td>
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**Salem: Boston Street Improvements (609437)**

**Proponent:** Salem  
**Cost:** $12,480,000  
**Description:**  
- Reconstruction of roadway to include new bike facilities and rebuilt sidewalks and bus stops  
- Improved safety and congestion through modernized signals

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<td>1/16</td>
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<td>12/18</td>
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</table>
Weston: Reconstruction on Route 30 (609437)

**Proponent:** Weston

**Cost:** $8,117,562

**Description:**

- Reconstruct the roadway and signals to improve safety and traffic flow
- Construct a 10-foot shared-use path to connect to future paths in Newton

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<td>0/18</td>
<td>57/134</td>
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</tbody>
</table>
Newton: Reconstruction of Commonwealth Avenue (Route 30) (610544)

Proponent: Newton

Cost: $5,098,755

Description:

- Repurpose existing Carriageway to create off-street pedestrian and bicycle facilities
- Part of broader vision for Route 30 corridor between Newton and Weston

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<thead>
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Manchester-by-the-Sea: Bridge Replacement, Central Street Over Saw Mill Brook (610671)

Proponent: Manchester-by-the-Sea

Cost: $4,350,000

Description:
- Reconstruction of deteriorating bridge over Saw Mill Brook
- Includes enhanced sidewalks, crosswalks, and storm drainage upgrades

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Intersection Improvements
Burlington, Woburn: Intersection Reconstruction at Route 3 and Bedford Road (608067)

Proponent: Burlington, Woburn
Cost: $1,440,000

Description:

- Reconstruction of the intersection and signals to improve safety and traffic operations
- Addition of bike lanes and expansion of sidewalks

<table>
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<td>4/18</td>
<td>52/134</td>
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</table>
Weston: Intersection Improvements at Boston Post Road (Route 20) at Wellesley Street (608940)

**Proponent:** Weston

**Cost:** $1,219,250

**Description:**
- Reconfiguration of the intersection to improve safety and reduce congestion
- Reconstruction of existing sidewalks and addition of bike lanes

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<td>5/16</td>
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<td>1/18</td>
<td>40/134</td>
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</table>
Milton: Intersection Improvements, Squantum Street at Adams Street (608955)

**Proponent:** Milton

**Cost:** $979,762

**Description:**

- Signalization of the intersection to improve traffic flow and enhance safety for all users
- Reconstruction of existing sidewalks to ADA standards and addition of bike lanes

<table>
<thead>
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<td>3/18</td>
<td>33/134</td>
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Westwood: Traffic Signal Improvements on Route 109 (608947)

Proponent: Westwood
Cost: $929,280
Description:
- Replacement of existing signal equipment at six intersections to include Adaptive Signal Control Technology

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<thead>
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Major Infrastructure
**Lynn: Reconstruction of Western Avenue (Route 107) (609246)**

**Proponent:** Lynn  
**Cost:** $36,205,000  
**Description:**
- Redesign of roadway to improve safety and enhance accessibility for all users  
- Reconstruction of sidewalks and bus stops and addition of new bike lanes

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Somerville: McGrath Boulevard Project (607981)

**Proponent:** Somerville  
**Cost:** $88,250,000

**Description:**
- Reconstruction of McCarthy Viaduct at grade
- Addition of protected bicycle facilities and reconstruction of sidewalks to connect to Somerville Community Path

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<td>8/16</td>
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<td>74/134</td>
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Natick: Bridge Replacement, Route 27 Over Route 9 and Interchange Improvements (605313)

Proponent: MassDOT
Cost: $25,897,370

Description:
- Complete reconfiguration of existing interchange into a modified diverging diamond
- Addition of dedicated bicycle and pedestrian bridge and paths

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Interchange Improvements at Route 27 (North Main St) over Route 9 (Worcester St)
Concept Two - Modified Diverging Diamond

Natick, MA
Wakefield: Main Street Reconstruction (610545)

Proponent: Wakefield

Cost: $26,382,000

Description:
- Narrowing of Main Street corridor to include shared-use path
- Shortening of crossings and reconstruction of signals to improve safety

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Community Connections Project Evaluations

Pilot Round

Image: APTA
# Summary

## Scores

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## Programming Recommendation

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<th>FFY 2023</th>
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<tbody>
<tr>
<td>$742,000</td>
<td>$1,084,457</td>
<td>$300,252</td>
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Other Applications

Not Eligible for Funding

• Cohasset Route 3A Sidewalks
  $625,000/year in FFYs 2021–24

• Lexpress Service Improvements
  $192,979 in FFYs 2021–23

Funded through Other Means

• Watertown TMA Pleasant Street Shuttle
  $244,280/year in FFYs 2021–23
Newton Microtransit

- **Proponent:** City of Newton
- **Type:** Operating (transit)
- **Funds requested:**
  - $300,000 in FFY 2021
  - $275,000 in FFY 2022
  - $152,000 in FFY 2023
- **Description:** Citywide roll-out of a microtransit service
- **Score:** 53

Image: Newton Mayor’s Office
Davis Square Signal Improvements

- **Proponent**: City of Somerville
- **Type**: Capital (transit)
- **Funds requested**: $140,000
- **Description**: Improvements to signals at Davis Square busway and throughout the square
- **Score**: 24
Concord Avenue Transit Signal Priority

- **Proponent:** City of Cambridge
- **Type:** Capital (transit)
- **Funds requested:** $160,000
- **Description:** Addition of TSP equipment along the Concord Avenue corridor (MBTA bus routes 72, 74, 75, and 78)
- **Score:** 22
Bruce Freeman Rail Trail Bike Shelters

- **Proponent:** Town of Concord
- **Type:** Capital
- **Funds requested:** $100,000
- **Description:** Construction of several protected bike racks near West Concord commuter rail station
- **Score:** 20
Sharon Carpool Marketing

- **Proponent:** Town of Sharon
- **Type:** Marketing
- **Funds requested:** $42,000
- **Description:** Partnership with a carpool marketing firm to promote shared rides to Sharon’s commuter rail station
- **Score:** 14

Image: user Pi.1415926535 on Wikipedia, shared under Creative Commons 3.0.
Blue Bikes Expansion Phase 2

• **Proponent:** City of Chelsea, on behalf of the Towns of Arlington and Watertown and City of Newton

• **Type:** Operating (bikeshare)

• **Funds requested:** $340,000*

• **Description:** Expansion of Blue Bikes network further into these towns

• **Score:** 52

*Proponent has requested that the funds be programmed in FFY 2022*
Canton Royall Street Shuttles

- **Proponent:** Town of Canton, Neponset Valley TMA
- **Type:** Operating (transit)
- **Funds requested:** $177,177 in FFY 2022, $148,252 in FFY 2023
- **Description:** Shuttles connecting an office park to MBTA rapid transit and commuter rail
- **Score:** 51
Alewife Wayfinding

- **Proponent:** 128 Business Council
- **Type:** Capital (signage/transit)
- **Funds requested:** $292,280 in FFY 2022*
- **Description:** GPS systems for buses, signage (including electronic signs), marketing program, and bus shelters
- **Score:** 24

*Proponent has asked the MPO to program funding in a future year.
Next Steps
Next Steps

• **March 5:** Review project readiness and funding updates
• **March 19:** Discuss programming scenarios
• **March 26:** Finalize programming scenarios
• **Late April:** Release draft TIP for public review
• **Late May:** Endorse final TIP
Discussion