Presenter:

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MMA Policy Committee – Public Works, Transportation, Public Utilities
Massachusetts State Transportation Innovation Council (STIC)
National Delegate - American Public Works Association / New England Chapter
Municipal Transportation Finance 101

Discussion Topics

- Transportation Funding In Massachusetts
- History of the Federal Aid Program
- Project Selection & Funding Eligibility
- Project Notification / Information Forms
- MassDOT – Project Review Committee
- The TIP Process
- Project Costs & Schedules
- Getting Your Project Built
Transportation Funding In Massachusetts

Federal & State Highway Funding (TIP)
State Funding - MassWorks Infrastructure Program
State Funding – Complete Streets
State Funding - Transportation Bond Bill
State Funding - Chapter 90
Local Funds
Transportation Funding In Massachusetts

MassWorks Infrastructure Program
For the construction, reconstruction and expansion of publicly owned infrastructure
Combined Six Previous Funding Programs: PWED, STRAP, MORE, CDAG, GDI, TOD

Program Highlights
- Transportation improvements to enhancing safety in small, rural communities
- Community revitalization and sustainable development
- Economic development and job creation and retention
- Competitive Program
- Time Sensitive

Administered by:
Executive Office of Housing and Economic Development
In cooperation MassDOT and the Executive Office for Administration & Finance
Transportation Funding In Massachusetts

**Complete Streets Program**

**Tiered Program**

- Tier 1 – Adopt a MassDOT Approved Complete Streets Policy
- Tier 2 – Develop a MassDOT Approved Prioritization Plan (minimum 15 projects)
  - Technical Assistance Funding Available Up To $35,000
- Tier 3 – Construction Funding Available Up To $400,000
  - Meet Project / Program Criteria – Accommodate All Users
  - Project Schedule
  - Competitive Program
  - Time Sensitive
Transportation Funding In Massachusetts

Transportation Bond Bill

• Sponsored projects by your Legislative Delegation
• Authorized spending
• Requires Funding Appropriations???????
Transportation Funding In Massachusetts

Chapter 90

- Limited annual appropriation
- Flexible Spending
- Current funding level - $200M Statewide
- Must meet certain standards (I.E. handicap access, approved MassDOT items, construction bidding)
- No MassDOT design reviews or approvals required
- To avoid delays documentation MUST be complete
- Utilize your State Aid Administrator
Transportation Funding In Massachusetts

Local Funds

- Investing in *Your* Infrastructure
- Supplement to Chapter 90
- Keeping Pace with Deterioration

*Do you have an Asset Management Program?*
History of the Federal Aid Highway Program

Started in 1932

- Urban Mass Transportation Act of 1964
- Urban Traffic Operations Program to Increase Capacity & Safety (TOPICS) - 1971
- Federal Highway Act of 1973
- Federal Highway Act 1976 (Urban Systems Program)
- Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) ***
- Transportation Equity Act for the 21st Century 1998 (TEA-21)
- Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users 2005 (SAFETEA-LU)
- Moving Ahead for Progress in the 21st Century Act 2012 (MAP-21)
- Fixing America’s Surface Transportation Act 2015 (FAST Act) - Expires 2020
Transportation Funding In Massachusetts

Federal & State Highway Funding

- Fiscally Constrained Program
- 100% Construction Funded (80% Federal Funds / 20% State Funds)
- Municipality Responsible for Design, Environmental Permits & Right-of-Way Costs
- Design Completed in Concurrence w/MassDOT Policies & Engineering Criteria
- Design Reviews by MassDOT at the 25%, 75%, 100% and PS&E phases
- To be advertised for construction projects MUST:
  - Have approved design
  - Have clear ROW
  - Permits complete and in place
  - Be programmed on the STIP
Project Selection / Funding Eligibility

How are Projects Identified

• There’s a real (recognized) need for the improvements
• Regulation Driven
• Part of a Capital Plan
• Politically Motivated
Project Selection / Funding Eligibility

How are Projects Selected –

*Identify the Opportunity*

- Determine the need.
- Identify the deficiencies (traffic, safety, users, physical condition).
- Have the deficiencies already been identified on a State/MPO list?
- Are the improvements possible?
- Is the project regionally significant?
- Will the project have local support?
- Are the improvements eligible for funding.... any funding source?
Project Selection / Funding Eligibility

Supporting Information

- Community Meetings / Public Support
- Traffic Analysis
- Road Safety Audit (RSA)
- Identify Non-Participating Work
- Concept Plan
- Construction Cost Estimate
- Meet with your MassDOT District Office
Project Notification Form / Project Initiation Form

MassDOT initiates new projects through a formal 3-step process using the Project Intake Tool (MaPIT).

Step 1 – Project Notification Form
Basic information

Step 2 - Project Initiation Form
More detailed information

Step 3 - Project Review Committee
Project Notification Form / Project Initiation Form

- Get MapIT login credentials
- Log In to MapIT
- Utilize GIS layers to better define project scope
- Upload PNF
- Address MassDOT Comments
- Upload PIF
- Email supporting Information to MassDOT District Office PDE
- Email all information (PNF, PIF and supporting information) to the MPO
Municipal Transportation Finance 101

12/2/2019

MASSDOT - HIGHWAY DIVISION

Project Need Form

This form is intended to provide preliminary information about the proposed project. It is expected that all information that is asked for is available or known but applicants are encouraged to complete the form as fully as possible.

Part 1 - Facility Location and General Information

<table>
<thead>
<tr>
<th>Municipal</th>
<th>Project:</th>
<th>Location:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Project:</td>
<td>Location:</td>
</tr>
</tbody>
</table>

Estimated project limits by mile marker, section or other distinguishing landmarks such as cross streets. Please include a focus map of the potential project location.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Street Name</th>
<th>Start</th>
<th>End</th>
<th>Number</th>
</tr>
</thead>
<tbody>
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<td></td>
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</table>

Part II - Project Costs and Responsibilities

Estimated costs: Provide available cost estimates or estimated cost ranges in current-year dollars, and attach any cost estimate work sheets or summaries.

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Office Estimate (construction costs)</td>
<td>$8,000,000.00</td>
<td>This is the portion of project cost based on definitive scope of work. Costs estimated for conceptual estimates, if the value can be determined to be prorated base of projects (change of work &amp; time) making appropriations to past projects.</td>
</tr>
<tr>
<td>B Design Contingency</td>
<td>$1,200,000.00</td>
<td>This value accounts for the project’s uncertainty inherent to design accuracy and development. The amount is calculated in a percentage of the contract construction costs (A) based on percentage from MassDOT.</td>
</tr>
<tr>
<td>C Construction Contingency</td>
<td>$500,000.00</td>
<td>This amount is calculated in a percentage of the contract construction costs (A) net of the construction contingency (B) and accounts for potential costs for cost overruns at construction.</td>
</tr>
</tbody>
</table>
MassDOT – Project Review Committee

- Meets 3 to 4 times per year
- Pre-PRC reviews project information
- Pre-PRC scores your project
- Full PRC determines project eligibility
The TIP Process

- TIP element is five years (current FY20 – FY 24)
- Federal fiscal year October 1st to September 30th
- Fiscally constrained
The TIP Process

- Design must start within two years of PRC approval
- Design, Environmental Permitting, Right-of-Way
  - Engage a MassDOT Pre-Qualified Consultant
  - Chapter 90 Eligible
- Must meet MassDOT design criteria
- Must meet MassDOT Healthy Transportation Policy Directive
  - Accommodate ALL users
- MassDOT Design Reviews at 25%, 75%, 100% and PS&E
- Official MassDOT Design Public Hearing following approved 25% design phase.
The TIP Process

Getting your project on the TIP and keeping it there.

• Project Readiness

• Advocate for your project
  ✓ Project information meetings
  ✓ Coordinate your project internally
  ✓ Local support from elected officials, stakeholders, and the community
The TIP Process

Getting your project on the TIP and keeping it there.

• Project updates to the MPO
• Attend MPO meetings
• Project Intake Scoring
The TIP Process

- System Preservation
- Mobility
- Safety
- Economic Impact
- Environmental Effects
- Social Equity
- Policy
- Cost Effectiveness
Project Costs & Schedules

- Project must remain within programmed funding
- Meeting design schedules / milestone submissions is key
- MassDOT determines projects at risk due to delays
  - Design conflicts
  - Design changes / Scope creep
  - Design quality
  - Permits
  - Right-of-way
  - Public opposition
Getting Your Project Built

PROJECT READINESS!!!
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