

OLD COLONY



**METROPOLITAN  
PLANNING ORGANIZATION**



# METROPOLITAN PLANNING ORGANIZATION (MPO)

70 SCHOOL STREET, BROCKTON, MA 02301

OLDCOLONYPLANNING.ORG | 508-583-1833



OLD COLONY  
PLANNING COUNCIL

## DATE

**TUESDAY  
NOVEMBER 19, 2024  
10:00 A.M.**

## VIRTUAL VIA ZOOM

**Zoom Registration:** <https://zoom.us/join>  
**Meeting ID:** 828 6889 7278 | **Password:** 370367  
**Dial by your phone:** +1-646-518-9805

## AGENDA

1. Call to Order, Accessibility Statement, Title VI Notice of Protection, and Introductions
2. Public Comments
3. Potential Approval of October 15, 2024 Meeting Minutes
4. Brockton Area Transit Authority (BAT) Report
5. Greater Attleboro Taunton Regional Transit Authority (GATRA) Report
6. MassDOT District 5 Update on Projects under Design or Construction
7. FFY 2025-2029 Old Colony Transportation Improvement Program (TIP) Adjustments and/ or Amendments
  - Adjustment 2 (Bridgewater: 613292 Vernon Street Over Taunton River Bridge Rehabilitation - Cost Change; Duxbury: 612006, Powder Point Avenue Over Duxbury Bay Bridge Replacement - Funding Source Change)
    - Review and Potential Approval
  - Amendment 1 (Add the Following Projects: S13132: Brockton - Downtown Transportation Technology Project (SMART); S13134 : Brockton - Downtown Brockton Improvements (RAISE); S13135: Brockton - Safety Pilot At Three Intersections On North Main Street (SS4A); and S13133: Plymouth - Design And Construction Of Two Culverts And Removal Of One (Town Brook Stream; Culvert AOP)
    - Review and Potential Release to Public Review and Comment Period
8. FFY 2025 Old Colony Unified Planning Work Program (UPWP) Corridor Studies Update
  - Route 3A Corridor Study (Plymouth)
  - Route 28 Corridor Study (Avon)
  - Route 104 Corridor Study (Bridgewater)
9. Administrative Matters, Other Business, and Date and Time of Next Meeting(s)
10. Adjournment

The Old Colony MPO fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The Old Colony MPO operates without regard to race, color, or national origin (including limited English proficiency), age, sex, disability, ancestry, ethnicity, gender, gender identity or expression, sexual orientation, religion, creed, veteran's status, or background. Any person who believes that they or any specific class of persons to be subject to discrimination prohibited by Title VI may by themselves or by representative file a written complaint with the Old Colony MPO. Complaints are to be filed no later than 180 days from the date of the alleged discrimination. For more information, please contact Mary Waldron at 508-583-1833.

This meeting is accessible to people with disabilities and those with limited English proficiency. Accessibility accommodations and language services will be provided free of charge, upon request, as available. For more information or to request reasonable accommodation and/or language services please contact Mary Waldron at 508-583-1833.

- If this information is needed in another language, please contact Mary Waldron at 508-583-1833.
- Se esta informação é necessária em outro idioma, entre em contato com Mary Waldron em 508-583-1833.
- Si se necesita esta información en otro idioma, por favor póngase en contacto con Mary Waldron al 508-583-1833.
- Si yo bezwen enfòmasyon sa a nan yon lòt lang, tanpri kontakte Mary Waldron nan 508-583-1833.

The public discussion of the Transportation Improvement Program (TIP) at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration (FTA).

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 1**  
**Call to Order, Accessibility Statement and**  
**Title VI Nondiscrimination Statement, and Introductions**

**Summary**

Welcome, Call to Order, Accessibility Statement and Title VI Nondiscrimination Statement, Roll Call, and Introductions

**Accessibility Statement and Title VI Nondiscrimination Statement**

**“This meeting is accessible to people with disabilities. Microphones or telephones will be used by all speakers. If you would like this accommodation, please contact Mary Waldron at 508-583-1833. Thank you.”**

**“The Notice of Nondiscrimination Rights and Protections to Beneficiaries with regard to the Federal Title VI/Nondiscrimination Protections and the State Nondiscrimination Protections is included on this meeting’s agenda and is available on the Old Colony Planning Council Website at <https://oldcolonyplanning.org/>. Please contact Mary Waldron at 508-583-1833 for more information. Thank you.”**

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 2**  
**Public Comments**

**Summary**

Public comments.

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

Minutes of the Old Colony MPO Virtual Meeting, October 15, 2024 - 10:00 A.M., Held Via Zoom

## Roll Call/Attendance

<u>Members/Designees</u>	<u>Representing</u>	<u>Attendance</u>
Stephen Woelfel	Monica Tibbits-Nutt, Secretary, MassDOT	Present
Shaun Handy	Jonathan Gulliver, Administrator, MassDOT Highway Division	Present
John Messia	Mayor Robert Sullivan, City of Brockton	Present
Lee Hartmann	Richard J. Quintal, Jr., Town of Plymouth	Present
Michael Perez	Town of West Bridgewater – Representing Avon, East Bridgewater, Halifax, Hanover, Hanson, Kingston, Plympton, and West Bridgewater	Absent
Daniel Salvucci	Town of Whitman – Representing Abington, Bridgewater, Duxbury, Easton, Pembroke, Stoughton, and Whitman	Present
Michael Lambert	Brockton Area Transit (BAT)	Present
Rebecca Coletta	Old Colony Planning Council	Present
<u>Ex-Officio Members</u>		
Eric Gemperline	Joi Singh, FHWA	Present
Peter Bulter	FTA Regional Administrator, Region 1	Absent
Noreen O’Toole	Old Colony Joint Transportation Committee	Absent
<u>Also, Present</u>		
Al DeGirolamo	Office of State Senator Michael Brady	
John Stone	Abington	
Austin Pszenny	BETA Group	
Kelly Forrester	Brockton Area Transit	
Jennifer Carlino	Easton	
Steve Findlen	Howard Stein Hudson	
Joshua Barber	Federal Highway Administration	
Chris Klem	MassDOT	
Derek Shooster	MassDOT	
Alan Castaline	MBTA Advisory Board - Brockton	
Pam Haznar	McClure	
Shawn Bailey	Old Colony Planning Council	
Matt Dyer	Old Colony Planning Council	
Ray Guarino	Old Colony Planning Council	
Charles Kilmer	Old Colony Planning Council	
Guoqiang Li	Old Colony Planning Council	

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

Bill McNulty	Old Colony Planning Council
Kyle Mowatt	Old Colony Planning Council
Mary Waldron	Old Colony Planning Council
Colleen Pekrul	Safe Routes to School
Andrea Duarte	SRPEDD
Phil McNulty	Stoughton
Greg Lucas	Tighe & Bond

## 1. Call to Order and Introductions

Chairperson Stephen Woelfel called the meeting to order at 10:02 A.M. Chairperson Woelfel read the meeting accessibility statement and the Title VI Notice of Protection Statement. Roll call was then conducted by Charles Kilmer.

## 2. Public Comments

There were no public comments at this time.

## 3. Minutes of the July 16, 2024 Meeting

A motion to approve the draft minutes of the July 16, 2024 meeting was made by Dan Salvucci and seconded by Lee Hartmann. Members voted as follows:

Stephen Woelfel	Aye
Shaun Handy	Aye
John Messia	Aye
Lee Hartmann	Aye
Dan Salvucci	Aye
Michael Lambert	Aye
Rebecca Coletta	Aye

The motion passed.

## 4. Brockton Area Transit (BAT) Report

Michael Lambert reported on the following items:

- BAT Customer Appreciation Day - October 18, 12-3pm. Electric Bus Unveiling.
- Ridership continues to be strong. September witnessed a 25 year high. Due to higher levels of frequency and BAT's free fare program. Saturdays were also added to the Rockland Flex Service.

## 5. Greater Attleboro Taunton Regional Transit Authority (GATRA) Report

There was no update from GATRA at this time.

## 6. MassDOT District 5 Update on Projects Under Design or Construction

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

Shaun Handy provided an update on projects as follows:

**BROCKTON - INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRE STREET (ROUTE 123), CARY STREET AND LYMAN STREET**

- Advertised September 14, 2024 for construction bids
- Cost is \$3.38 Million

**STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138, FROM CANTON T.L. TO CHARLES AVENUE (PHASE 2)**

- At Plans, Specifications, and Estimate Stage (PS&E) Stage; Cost is \$9 Million

**EASTON - CORRIDOR IMPROVEMENTS ON ROUTE 138 INCLUDING INTERSECTION IMPROVEMENTS AT ROUTE 138 (WASHINGTON STREET) AND ELM STREET**

- At Plans, Specifications, and Estimate Stage (PS&E) Stage; Cost is \$9.5 Million

**BROCKTON - INTERSECTION IMPROVEMENTS AT CENTRE STREET (ROUTE 123) AND PLYMOUTH STREET**

- At 75% Design; Cost is \$2.8 Million

**BOURNE TO BRAINTREE - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 3**

- At Plans, Specifications, and Estimate Stage (PS&E) Stage; Cost is \$4.3 Million

**BROCKTON - INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER**

- At 25% Design; Cost is \$6.2 Million

**ABINGTON - INTERSECTION IMPROVEMENTS AT HANCOCK STREET AND CHESTNUT STREET**

- At 75% Design; Cost is \$4.8 Million

**AVON - INTERSECTION IMPROVEMENTS AT ROUTE 28, SPRING STREET AND HARRISON BOULEVARD**

- At 25% Design; Cost is \$7.35 Million

**NORWELL & PEMBROKE- BRIDGE REPLACEMENT, N-24-004=P-05-008, ROUTE 3 (NB & SB) OVER NORTH RIVER**

- Pre-25% Design; Cost is \$52 Million

**KINGSTON & DUXBURY - INTERSECTION IMPROVEMENTS AT ROUTE 3 RAMPS (NB/SB) AND ROUTE 3A (TREMONT STREET)**

- Pre-25% Design; Cost is \$3.05 Million

**ABINGTON - INTERSECTION IMPROVEMENTS, RANDOLPH STREET AND RICHARD A FITTS DRIVE (ROUTE 139) AT CHESTNUT STREET AND OLD RANDOLPH STREET**

- Pre-25% Design; Cost is \$3.8 Million

**DUXBURY - BRIDGE REPLACEMENT, D-14-003 (438), POWDER POINT AVENUE OVER DUXBURY BAY**

- Pre-25% Design; Cost is \$86 Million

**DUXBURY - INTERSECTION IMPROVEMENTS AT ROUTE 53 AND FRANKLIN STREET**

- Pre-25% Design; Cost is \$7.28 Million

**HANOVER - CORRIDOR IMPROVEMENTS ON ROUTE 139 (HANOVER STREET) AT MAIN STREET, CENTER STREET**

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

## AND SILVER STREET

- Pre-25% Design; Cost is \$6.1 Million

Charles Kilmer asked if there is an upcoming meeting regarding this project between the consultant, MassDOT and OCPC. The town is concerned about making sure they preserve the ball field and no building takings. Shaun Handy stated that there have been a number of meetings to get a feel regarding the ball field. The meetings are continuing, and the design is being discussed. There will be a Public Information Meeting later this Fall. A meeting with OCPC can happen to discuss a briefing.

## BROCKTON - INTERSECTION IMPROVEMENTS AT ROUTE 123 (BELMONT STREET), PEARL STREET AND STONEHILL STREET

- Pre 25% Design; Cost is \$7.5 Million

## STOUGHTON - INTERSECTION IMPROVEMENTS AT CANTON STREET (ROUTE 27), SCHOOL STREET AND SUMMER STREET

- 25% Design; Cost is \$3.7 Million

## KINGSTON - BRIDGE REPLACEMENT, K-01-014, SMITHS LANE OVER ROUTE 3 (PILGRIM HIGHWAY)

- Pre 25% Design; Cost is \$12.8 Million

## ABINGTON - INTERSECTION IMPROVEMENTS AT ROUTE 18 (BEDFORD STREET) AND ROUTE 123(BROCKTON AVENUE)

- Pre 25% Design; Cost is \$5.4 Million

## STOUGHTON- INTERSECTION IMPROVEMENTS AT ROUTE 27 (PARK STREET) AND TURNPIKE STREET

- Pre 25% Design; Cost is \$3.3 Million

## BROCKTON & ABINGTON - PEDESTRIAN AND BICYCLE IMPROVEMENTS ON ROUTE 123

- Pre 25% Design; Cost is \$26.8 Million

## BRIDGEWATER - BRIDGE REHABILITATION, B-23-001 (44H), VERNON STREET OVER TAUNTON RIVER

- Pre 25% Design; Cost is \$20.6 Million

## HANOVER - INTERSECTION IMPROVEMENTS AT COLUMBIA ROAD (ROUTE 53/139) AND BROADWAY

- Pre 25% Design; Cost is \$5.9 Million

## EAST BRIDGEWATER - INTERSECTION IMPROVEMENTS AT HIGHLAND STREET AND NORTH BEDFORD STREET (ROUTE 18)

- Pre 25% Design; Cost is \$3.5 Million

## EAST BRIDGEWATER - BRIDGE REPLACEMENT, E-01-010 (BVT) POND STREET OVER SATUCKET RIVER

- Pre 25% Design; Full bridge replacement

## WEST BRIDGEWATER - BRIDGE REPLACEMENT, W-18-004, FOREST STREET OVER TOWN RIVER

- Pre 25% Design; Cost is \$4.4 Million

## Unprogrammed

## HANSON - CORRIDOR IMPROVEMENTS ON ROUTE 14 (MAQUAN STREET), FROM THE PEMBROKE T.L. TO INDIAN



# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

## HEAD STREET AND RELATED WORK

- At 25% Design; Cost is \$10.3 Million

Al DeGirolamo stated that Senator Brady obtained \$100,000 to conduct the SUE. Will work with town to get money in place as soon as possible.

## 7. Performance Based Planning and MassDOT Proposed Performance Measures and Targets (PM2 and PM3)

- **Presentation, Discussion, and Possible Adoption of the Federally Required Performance Measures and Targets Pertaining to National Highway System (NHS) Bridge and Pavement Conditions (PM2)**
- **Presentation, Discussion, and Possible Adoption of the Federally Required Performance Measures and Targets Pertaining to System Performance (Congestion, Reliability, and Emissions) (PM3)**

Annabel Shein and Jack Moran presented on PM2 (NHS Bridge and Pavement Conditions).

### Pavement Performance Targets for 2025

- Percent of Interstate in Good Condition – Target – 70%
- Percent of Interstate in Poor Condition – Target – 2%
- Percent of Non-Interstate NHS in Good Condition – 30%
- Percent of Non-interstate NHS in Poor Condition – 5%

### Bridge Performance Targets for 2025

- Percent of NHS Bridges by Deck Area in Good Condition – 16%
- Percent of NHS Bridges by Deck Area in Poor Condition – 12%

Chris Kelm presented on PM3 System Performance (Congestion, Reliability, and Emissions).

- Interstate Travel Time Reliability – 2 Year Target: 74%, 4 Year Target: 76%
- Non-Interstate Travel Time Reliability – 2 Year Target: 85%, 4 Year Target: 87%
- Truck Travel Time Reliability – 2 Year Target: 1.80, 4 Year Target: 1.75
- Peak Hour Excessive Delay – 2 Year Target: 24.0, 4 Year Target: 22.0
- Percentage of Non-SOV Travel – 2 Year Target: 38.77%, 4 Year Target: 39.81%
- Emission Summary – 2 Year Target: .354 CO kg/day, 4 Year Target: .354 CO kg/day

A motion to approve the PM2 and PM3 Targets was made by Dan Salvucci and seconded by Michael Lambert. Members voted as follows:

Stephen Woelfel	Aye
Shaun Handy	Aye
John Messia	Aye
Lee Hartmann	Aye
Dan Salvucci	Aye
Michael Lambert	Aye
Rebecca Coletta	Aye

The motion passed.

## 8. Performance Based Planning and Brockton Area Transit (BAT) Transit Asset Management (TAM) Transit State of Good Repair Targets

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

- **Presentation, Discussion, and Possible Adoption of the Federally Required Performance Targets Pertaining to Transit State of Good Repair**

Kelly Forrester presented the Federally Required Performance Targets pertaining to Transit State of Good Repair.

Performance Targets by Asset Category						
Category	Class		Perform ance Target for FY24	Total # Vehicles	# of vehicles that will exceed ULB - FY25	% of fleet that exceeds ULB - FY25
Rolling Stock	Buses	X% of fleet exceeds default ULB of 14	14.00%	53	7	13.21%
	Cutaway Buses	X% of fleet exceeds default ULB of 10	26.00%	4	1	25.00%
	Vans	X% of fleet exceeds default ULB of 8	27.00%	57	15	26.32%
Equipment	Non Revenue - Service Automobile	X% of non-revenue service vehicles exceeds default ULB of 8	40.00%	5	1	20.00%
	Non Revenue - Service Truck	X% of non-revenue service vehicles exceeds default ULB of 8	40.00%	5	2	40.00%
Facilities	Admin/Maintenance Facility	X% of facilities rated under 3.0 on TERM scale	0.00%	3	0	0.00%

A motion to approve the Federally Required Performance Targets pertaining to Transit State of Good Repair was made by Becky Coletta and seconded by Dan Salvucci. Members voted as follows:

Stephen Woelfel	Aye
Shaun Handy	Aye
John Messia	Aye
Lee Hartmann	Aye
Dan Salvucci	Aye
Michael Lambert	Aye
Rebecca Coletta	Aye

The motion passed.

9. **FFY 2025-2029 Old Colony Transportation Improvement Program (TIP) Adjustments and/ or Amendments**
  - **Adjustment 1 (MassDOT District 5 - Vulnerable Road User (VRU) Systemic Safety Project Near Bus Stops Project) - Review and Potential Approval**

Bill McNulty discussed Adjustment 1.

**Adjustment 1 includes the following changes:**

## FFY 2025

- MASSDOT DISTRICT FIVE - VRU SYSTEMIC SAFETY PROJECT NEAR BUS STOPS (613604)

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

- MODIFIES PROJECT LISTING S12980
- During 2025-2029 STIP Development a placeholder “S # ID” project was programmed, now that it has a proper project ID it required a TIP Adjustment
- \$1,462,395 in FFY 2025 HSIP Vulnerable User Safety (VUS) funds
- MassDOT’s Vulnerable Road User (VRU) Assessment found that a disproportional amount of pedestrian and bicyclist fatal or serious injury crashes occurred within 300 feet of a bus stop. In an effort to address this, MassDOT is investing Highway Safety Improvement Program (HSIP) funds into crossing improvements at bus stops throughout the state in a multi-year approach. Bus stops that were identified as high risk for pedestrians or had a high potential for people walking within 300 feet of them were prioritized for these improvements. Project elements include adding pedestrian refuge islands, installing flashing warning signs (RRFBs) or other signs, painting high-visibility crosswalks, curb extensions, etc.

A motion to approve Adjustment 1 was made by Dan Salvucci and seconded by Michael Lambert. Members voted as follows:

Stephen Woelfel	Aye
Shaun Handy	Aye
John Messia	Aye
Lee Hartmann	Aye
Dan Salvucci	Aye
Michael Lambert	Aye
Rebecca Coletta	Aye

The motion passed.

## 10. Old Colony Safe Streets for All (SS4A) Action Plan Update and Status Report

The consultant under contract to develop the Old Colony Safe Streets for All (SS4A) Comprehensive Safety Action Plan, BETA Group, Inc. has developed an online Interactive Map and Data Dashboard that is being made available to the public. Old Colony Planning Council and BETA Group Inc. have met with each community in the Old Colony region to present this data dashboard, and the Top 5 high risk locations identified in each community. Municipal officials were then offered the opportunity to provide input on local priorities that may have been missed through the initial data driven process.

The data dashboard and interactive map have now been released to the general public. Through this map and dashboard, users can view the top locations that have been identified as high-risk for serious injury and fatalities, share their own locations they believe are high priorities for the community.

The goal of the Safe Streets for All (SS4A) Comprehensive Safety Action Plan is to identify high-risk locations and propose countermeasures that can be implemented to prevent serious injuries and eliminate traffic fatalities using the Safe Systems Approach. The Plan is being developed through a Bipartisan Infrastructure Law (BIL) Safe Streets for All Discretionary Grant and matching grant from the Massachusetts Department of Transportation (MassDOT).

## 11. Administrative Matters, Other Business, and Date and Time of Next Meetings(s)

Charles Kilmer reported on the following items:

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

- 2024 Moving Together Conference – Early Bird Registration is Now Open! – October 23, 2024, Sheraton Boston Hotel
- Getting to Vision Zero: Mass Road Safety Summit – October 28, 2024
- MassDOT Launches Latest Statewide Travel Study
- Federal Funds & Infrastructure Office – Next Federal Funds Partnership Meeting is October 22, 2024

Chris Klem announced that MassDOT is expecting to release Draft update of Public Participation Plan in the coming weeks.

## Date and Time of Next Old Colony MPO Virtual Meeting(s)

The Old Colony MPO members are respectfully requested to confirm the dates and times of their next virtual meeting(s).

### 2024

- **November 19, 2024 at 10 AM**
- **December 17, 2024 at 10 AM**

### 2025

- **January 21, 2025 at 10 AM**
- **February 18, 2025 at 10 AM**
- **March 18, 2025 at 10 AM**
- **April 15, 2025 at 10 AM**
- **May 20, 2025 at 10 AM**
- **June 17, 2025 at 10 AM**

## 12. Adjournment

A motion to adjourn was made by Dan Salvucci and seconded by Becky Coletta. Members voted as follows:

Stephen Woelfel	Aye
Shaun Handy	Aye
John Messia	Aye
Lee Hartmann	Aye
Dan Salvucci	Aye
Michael Lambert	Aye
Rebecca Coletta	Aye

The motion passed.

The meeting was adjourned at 11:16 a.m.

Respectfully submitted,

*Kyle Mowatt*

Kyle Mowatt, Senior Transportation Planner

# OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

## List of Documents for the October 15, 2024 Old Colony MPO Meeting

- Minutes of July 16, 2024, Old Colony MPO Meeting
- Staff Report for October 15, 2024 Old Colony MPO Meeting Agenda Items
- PM2 (NHS Bridge and Pavement Conditions) Presentation
- PM3 System Performance (Congestion, Reliability, and Emissions) Presentation

**November 19, 2024 Old Colony MPO Meeting  
Agenda Item 3  
Potential Approval of October 15, 2024 Meeting Minutes**

**Summary**

The Old Colony MPO is respectfully requested to consider the approval of the October 15, 2024 Old Colony MPO Meeting Minutes.

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 4**  
**Brockton Area Transit Authority (BAT) Report**

**Summary**

Brockton Area Transit Authority to provide the report.

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 5**  
**Greater Attleboro Taunton Regional Transit Authority Report**

**Summary**

The Greater Attleboro Taunton Regional Transit Authority to provide the report.



**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 6**  
**MassDOT District 5 Update on Projects under Design or**  
**Construction**

**Summary**

MassDOT District 5 to provide updates.

**2025**

- **608195 - Easton- Corridor Improvements on Route 138 Including Intersection Improvements at Route 138 (Washington Street) and Elm Street**
- **609052 - Brockton- Intersection Improvements at Centre Street (Route 123) and Plymouth Street**
- **613358 - Stoughton- Corridor Improvements on Route 138, From Canton T.L. to Charles Avenue (Phase 2)**

**2026**

- **607818 - Brockton- Intersection Improvements at Lyman Street/Grove Street/Summer Street & Replacement of Grove Street Bridge, B-25-005, over Salisbury Plain River**
- **609440 - Abington- Intersection Improvements at Hancock Street and Chestnut Street**

- **611979 - Avon- Intersection Improvements at Route 28, Spring Street and Harrison Boulevard**

## **2027**

- **606002 - Kingston- Duxbury- Intersection Improvements at Route 3 Ramps (NB/SB) and Route 3A (Tremont Street)**
- **612006 - Duxbury- Bridge Replacement, D-14-003 (438), Powder Point Avenue over Duxbury Bay**
- **612525 - Abington- Intersection Improvements, Randolph Street and Richard A Fitts Drive (Route 139) At Chestnut Street and Old Randolph Street**

## **2028**

- **608615 - Kingston- Bridge Replacement, K-01-014, Smiths Lane over Route 3 (Pilgrim Highway)**
- **611981 - Stoughton- Intersection Improvements at Canton Street (Route 27), School Street and Summer Street**
- **612262 - Brockton- Intersection Improvements at Route 123 (Belmont Street), Pearl Street And Stonehill Street**
- **612769 - Hanover- Corridor Improvements on Route 139 (Hanover Street) at Main Street, Center Street and Silver Street (PIM scheduled for 12/5/2024)**
- **612770 - Abington- Intersection Improvements at Route 18 (Bedford Street) and Route 123 (Brockton Avenue)**
- **613269 - Duxbury- Intersection Improvements at Route 53 and Franklin Street**

**November 19, 2024 Old Colony MPO Meeting  
Agenda Item 7**

**FFY 2025-2029 Old Colony Transportation Improvement Program  
(TIP) Adjustments and/ or Amendments**

- **Adjustment 2 (Bridgewater: 613292 Vernon Street Over Taunton River Bridge Rehabilitation - Cost Change; Duxbury: 612006, Powder Point Avenue Over Duxbury Bay Bridge Replacement - Funding Source Change)**
  - **Amendment 1 (Add the Following Projects: S13132: Brockton - Downtown Transportation Technology Project (SMART); S13134 : Brockton - Downtown Brockton Improvements (RAISE); S13135: Brockton - Safety Pilot At Three Intersections On North Main Street (SS4A); and S13133: Plymouth - Design And Construction Of Two Culverts And Removal Of One (Town Brook Stream; Culvert AOP)**

**Summary**

The Old Colony Transportation Improvement Program (TIP) is a program of capital improvements and operating assistance for the transportation system in the Old Colony

Region. The Old Colony TIP lists projects (highway, bridge, and transit) and operational assistance that receive federal funds and may list some projects that do not receive federal funds.

**Adjustment 2 includes the following two adjustments:**

**FFY 2027 and 2030 (2030 is beyond current 2025-2029 TIP but being documented for Advance Construction Schedule)**

**CHANGE PROJECT FUNDING SOURCE**

- **DUXBURY- BRIDGE REPLACEMENT, D-14-003 (438), POWDER POINT AVENUE OVER DUXBURY BAY (812006)**

- Original Funding Source: Section 1B (Earmarked or Discretionary Grant Funded Projects)
- New Funding Source: Section 2A (State Prioritized Reliability Projects)
- Adjusting FFY 2027 Bridge Formula Program Off-System Bridge (BROFF) funding from \$36,960,397 to \$0
- Adjusting FFY 2030 STBG-Bridge Off-System funding from \$0 to \$36,960,397
- Programmed Amount Remains Unchanged at \$36,960,397

**FFY 2029**

**REVISE COST ESTIMATE**

- **BRIDGEWATER- BRIDGE REHABILITATION, B-23-001 (44H), VERNON STREET OVER TAUNTON RIVER (613292)**
  - Programmed in FFY 2029
  - Previous Cost: \$23,911,289
  - New Amount: \$21,425,706 (Variance: -\$2,485,583)



TIP Revisions Report  
Old Colony

STIP: 2025 - 2029 (A)

Type	Value Changed	Date of Change	Former Value	New Value	Variance	Comments
Federal Fiscal Year 2027						
Section 1B / Earmark or Discretionary Grant Funded Projects						
Bridge Off-system Local NB						
<b>612006 Duxbury: DUXBURY- BRIDGE REPLACEMENT, D-14-003 (438), POWDER POINT AVENUE OVER DUXBURY BAY</b>						
Adjustment	2027: Statewide-CON-Bridge Off-system	10/30/2024	\$36,960,397	\$0	-\$36,960,397	



TIP Revisions Report  
Old Colony

STIP: 2025 - 2029 (A)

Type	Value Changed	Date of Change	Former Value	New Value	Variance	Comments
Federal Fiscal Year 2030						
Section 2A / State Prioritized Reliability Projects						
Bridge Off-system						
<b>612006 Duxbury: DUXBURY- BRIDGE REPLACEMENT, D-14-003 (438), POWDER POINT AVENUE OVER DUXBURY BAY</b>						
Adjustment	2030: Statewide-CON-Bridge Off-system-	10/30/2024	\$0	\$36,960,397	\$36,960,397	



TIP Revisions Report  
Old Colony

STIP: 2025 - 2029 (A)

Type	Value Changed	Date of Change	Former Value	New Value	Variance	Comments
Federal Fiscal Year 2029						
Section 1B / Earmark or Discretionary Grant Funded Projects						
Bridge Off-system Local NB						
<b>613292 Bridgewater: BRIDGEWATER- BRIDGE REHABILITATION, B-23-001 (44H), VERNON STREET OVER TAUNTON RIVER</b>						
Adjustment	2029: Statewide-CON-Bridge Off-system	10/30/2024	\$23,911,289	\$21,425,706	-\$2,485,583	



## **Amendment 1 includes the following amendments:**

### **FFY 2025**

- BROCKTON- DOWNTOWN TRANSPORTATION TECHNOLOGY PROJECT (SMART) (S13132)
  - Add Project
  - Strengthening Mobility and Revolutionizing Transportation (SMART) Bipartisan Infrastructure Law (BIL) Discretionary Grant
  - Total Project Cost is \$1,496,630
  
- BROCKTON- DOWNTOWN BROCKTON IMPROVEMENTS (RAISE) (S13134)
  - Add Project
  - Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Bipartisan Infrastructure Law (BIL) Discretionary Grant
  - Total Project Cost with Match is \$9,804,688
  
- BROCKTON- SAFETY PILOT AT THREE INTERSECTIONS ON NORTH MAIN STREET (SS4A) (S13135)
  - Add Project
  - Safe Streets for All (SS4A) Bipartisan Infrastructure Law (BIL) Discretionary Grant
  - Total Project Cost is \$235,600

- PLYMOUTH- DESIGN AND CONSTRUCTION OF TWO CULVERTS AND REMOVAL OF ONE (TOWN BROOK STREAM; CULVERT AOP) (S13133)
  - Add Project
  - National Culvert Program Aquatic Organism Passage (AOP) Bipartisan Infrastructure Law (BIL) Discretionary Grant
  - Award Amount is \$2,800,000



TIP Revisions Report  
Old Colony

STIP: 2025 - 2029 (A)

Type	Value Changed	Date of Change	Former Value	New Value	Variance	Comments
Federal Fiscal Year 2025						
Section 1B / Earmark or Discretionary Grant Funded Projects						
Earmark Discretionary						
<b>S13132 Brockton: BROCKTON- DOWNTOWN TRANSPORTATION TECHNOLOGY PROJECT (SMART)</b>						
Amendment	2025: Statewide-OT-Earmark	10/29/2024	\$0	\$1,496,630	\$1,496,630	
<b>S13133 Plymouth: PLYMOUTH- DESIGN AND CONSTRUCTION OF TWO CULVERTS AND REMOVAL OF ONE (TOWN BROOK STREAM; CULVERT AOP)</b>						
Amendment	2025: Statewide-OT-Earmark	10/29/2024	\$0	\$2,800,000	\$2,800,000	
<b>S13134 Brockton: BROCKTON- DOWNTOWN BROCKTON IMPROVEMENTS (RAISE)</b>						
Amendment	2025: Statewide-OT-Earmark	10/29/2024	\$0	\$9,804,688	\$9,804,688	
<b>S13135 Brockton: BROCKTON- SAFETY PILOT AT THREE INTERSECTIONS ON NORTH MAIN STREET (SS4A)</b>						
Amendment	2025: Statewide-OT-Earmark	10/29/2024	\$0	\$235,600	\$235,600	

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 8**  
**FFY 2025 Old Colony Unified Planning Work Program (UPWP)**  
**Corridor Studies Update**  
▪ **Route 3A Corridor Study (Plymouth)**  
▪ **Route 28 Corridor Study (Avon)**  
▪ **Route 104 Corridor Study (Bridgewater)**

**Summary**

OCPC to provide updates on the following three corridor studies which are programmed in the FFY 2025 Old Colony Unified Planning Work Program (UPWP): 1.) Route 3A Corridor Study (Plymouth); Route 28 Corridor Study (Avon); and Route 104 Corridor Study (Bridgewater).

**Route 3A Corridor Study (Plymouth)**

The purpose of the South Plymouth Route 3A Corridor Study is to study the Route 3A Corridor from the intersection of Warren Avenue (Route 3A) and Sandwich Street to the Bourne Town Line (approximately 14 miles) and Herring pond Road from the intersection of State Road (Route 3A) at Herring Pond Road to the Bourne Town Line (approximately 2 miles). The Study aims to develop short-term and long-term recommendations and strategies that focus on transportation equity, improved

circulation, improved mobility, reduced congestion, reduced collisions, improvements in air quality, traffic flow efficiency, and improved safety for all transportation modes, including bicycle, pedestrian, and transit accommodation. Staff will review volume to capacity ratios, levels-of-service, crash analyses, bus routes and transit access, and include public participation as part of the process. The Route 3A Corridor Study will align with industry standards based on Federal and State guidelines and practices, with the consideration of local ordinance and statutes. The study will determine system needs and identify operational deficiencies and will coordinate improvements that support regional objectives, adjacent land use, and future land use development. The study will consolidate and formalize driveway access, improve intersection design, improve air quality, and reduce emissions. Suggested further evaluation, such as intersection Road Safety Audits, Site Impact Analysis, housing demand and supply analysis, before and after analysis, Origin and Destination survey etc. will be considered.

### **Procedures:**

1. Documentation of Existing Conditions: Gather and compile existing transportation data along Route 3A within the study area. Data, such as, average daily traffic, peak period volumes and levels-of-service, truck, and heavy vehicle volumes, MassDOT truck exclusions, MassDOT speed permits, traffic signal timing and phasing designs/plans, crashes rates, trip generators, land uses, bus routes (transit and passenger rail), will be compiled. The data and analyses compiled for the existing conditions will be assessed to document the deficiencies along the corridor and vicinity area, and to identify their causes and their impact on traffic flow and accessibility. This section will validate or disprove current perceived problems within the study area. The study will consider

public health outcomes as part of ongoing planning and performance measures planning. Consider the anticipated housing needs such as transit-oriented development and affordable housing and provide suggestions for recommendations if applicable. The process shall utilize the CMP, SMS, the 2050 LRTP, Regional Travel Demand Models, Travel Time Studies, and Corridor Studies. All relevant and attainable data will be collected and reported during this phase of the project. Replica, RITIS, Google Traffic, GeoDOT, IMPACT and other resources will be utilized to verify and support analyses. Photos of key locations will be recorded by camera or Small Unmanned Aircraft (Drone) will be deployed as appropriate. Information on Land use, business, and landmark locations will be gathered and compiled. Comprehensive existing condition map layers including but not limited to network, land use, business, physical environments etc., by using GIS software will be compiled and developed.

2. Short-Term and Long-Term Improvements Development: Conduct traffic modeling and simulation analysis with proposed alternatives for mitigation or congestion alleviation developed specific to problems identified in the critical areas. Provide consideration for potential bicycle and pedestrian improvements to ready the project recommendations for compliance with the Healthy Transportation Policy Directive and alignment with municipal future land use and transportation plans. Alternatives will include recommendations that are cost effective as well as recommendations that will produce the closest to ideal conditions. Consideration will be given to Transportation Systems Management Operations (TSMO) and maintenance, the incidental and routine causes of congestion, Complete Streets, and access management. The promotion of efficient system management and operations is one of the Bipartisan Infrastructure Law

(BIL) planning factors seeking to integrate this concept in the planning process. Consider project improvement air quality impact and environmental impact.

3. Prepare Conclusions and Recommendations: The product of this Task is a report that provides a framework for the alleviation of traffic congestion and the improvement of safety throughout the corridor, and to provide the necessary information for stakeholders to move projects forward in the project funding and implementation phases. OCPC will prepare a final report, which will include an outline for implementation and identifies potential funding sources. Short-term and long-term recommendations will be discussed with MassDOT and including projects in the region's TIPs, LRTPs, and beyond.

4. Public Participation: Staff will be presenting at public meetings and workshops, developing surveys, and coordinating with Plymouth, Greater Attleboro Taunton Regional Transit Authority (GATRA), Old Colony Joint Transportation Committee, Old Colony Planning Council, MassDOT Highway District 5 and MassDOT Office of Transportation Planning, and adjacent RPAs as applicable. Staff will seek input from residents, community-based organizations, business community, special interest groups, state, and local officials, etc. on transportation issues. Expansive and inclusive public outreach will be in accordance with Old Colony's Public Participation Plan.

**Products:**

Preparation of the Route 3A Corridor Study, which will include conclusions and recommendations. Included in study will be data summary, maps, congestion and safety

analysis, traffic flow and safety improvement recommendations (intersection geometric improvement, signal upgrade, bicycle and pedestrian accommodation, transit planning improvement, access management plan, location improvements, speed zoning, heavy vehicle exclusions, etc.) for implementation as appropriate.



# Route 3A South Corridor Study

## PLYMOUTH, MA

November 19, 2024

Old Colony Metropolitan Planning Organization (MPO)

FFY 2025 UPWP Task 3500 Funded Utilizing FHWA and State Planning Funds



**OLD COLONY**  
PLANNING COUNCIL

# Scope and Purpose

ROUTE 3A SOUTH CORRIDOR IN PLYMOUTH

*APPROXIMATELY* 16 MILES OF ROADWAY

**14 MILES ON ROUTE 3A;**

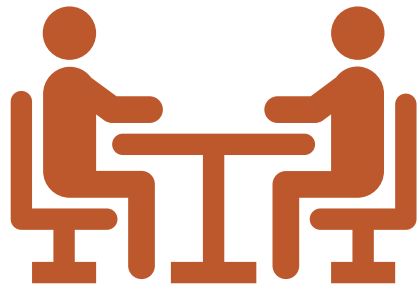
**2 MILES HERRING POND ROAD**

- ✓ **Jurisdiction** – MassDOT - Jurisdiction
- ✓ **Classification** – Minor Arterial (federal-aid eligible)
  - ✓ Two lane cross section (except at Plimoth Patuxet Highway, no sidewalks and no bicycle lanes)
- ✓ **Purpose** – Short-Term, Long-Term improvements to improve circulation and safety, and plan for growth, considering all road users
  - ✓ Vulnerable users: pedestrian, bicycle and transit



# Study Process: Public Outreach

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**STAKEHOLDER  
MEETINGS**



**PUBLIC  
MEETINGS**



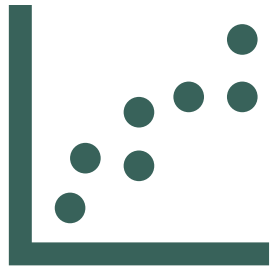
**ONLINE  
SURVEY**



# Study Process: Data Collection

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**15** INTERSECTIONS



Intersection Turning Movement Counts (TMC) And Level-of-Service Analysis

CRASH ANALYSIS



Crash Rates, number and types of crashes, Top 200 crash list

**9** ATR LOCATIONS



Automatic Traffic Recorder Counts (ATR) Traffic Volumes, Speed Studies, Percent of Heavy Vehicles



# Study Process: Analysis & Next Steps

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Future Traffic Estimates Based  
on Land Use Growth  
Future Level-of-Service Analysis



Improvements based on Public  
Outreach, Analysis and Existing  
Planned Improvements



# Study Timeline

TASKS	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25
<b>Develop project scope of work, and study team</b>													
<b>Compile and review previous studies</b>													
<b>Stakeholder consultation</b>													
<b>Data collection program</b>													
Automatic Traffic Recorder Counts													
Turning Movement Counts													
Physical Inventories, signage, Signal and Speed Permits, Timing and Phasing													
Bicycle and Pedestrian accommodations													
Crash Data													
Transit													
Land Use													
Environmental													
<b>Analysis (Existing and Future No-Build)</b>													
Traffic LOS													
Bicycle and Pedestrian LOS													
Crash Rates													
Transit													
<b>Identify Current and Potential Deficiencies</b>													
<b>Public Survey</b>													
<b>Stakeholder Meetings</b>													
Review Analysis and Develop Potential Improvements													
Solicit Input and Potential recommendations													
<b>Conduct Future Conditions Analysis</b>													
Develop Draft Recommendations													
<b>Develop Draft Report</b>													
Circulate to Stakeholders for Review													
<b>Develop Final Report</b>													
Circulate to Stakeholders for Review													





# QUESTIONS / COMMENTS?

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PLANNING COUNCIL

[www.oldcolonyplanning.org](http://www.oldcolonyplanning.org)

**BILL MCNULTY, PTP**

Principal Transportation Planner  
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Phone: (774) 539-5103

## **Route 28 Corridor Study (Avon)**

The study purpose is to study in-depth the Route 28 corridor in Avon, approximately 1.7 miles, to develop short-term and long-term improvements that focus on transportation equity, improved traffic circulation and mobility, reduced congestion, and improvements for all transportation modes, including bicycle, pedestrian, and transit. The corridor study area includes Route 28 in Avon from the Brockton City Line and ends at the Randolph/Avon Town Line.

### **Brief Description of the Study Process**

1. Inventory and review of previous Route 28 Studies and Planned Improvements.
2. Collect and/or compile daily traffic counts, speeds, and heavy vehicle percentages at ten locations.
3. Collect and/or compile turning movement counts at six intersections.
4. Analyze existing conditions, (Levels-of-Service, crash analysis).
5. Identify current and potential deficiencies.
6. Forecast and analyze future conditions (No-Build and Build) based on estimated traffic growth.
7. Develop recommendations based on public outreach, stakeholder consult, and analyses.
8. Document results in final report.

### **Intersections for Turning Movement Counts**

1. North Main Street (Route 28) at East/West High Street - Signal



2. East Main Street (Route 28) at West Main Street/North Main Street - Signal
3. East Main Street (Route 28) at E/W Spring Street - Stop Sign
4. East Main Street (Route 28) at Harrison Boulevard - Signal
5. East Main Street (Route 28) at Walmart - Signal
6. Memorial Drive (Route 28) at East Main St Street - Stop Sign

### **Locations for Automatic Traffic Counts**

1. Route 28 North Main Street at Randolph line
2. Route 28 East Main north of E/W Spring
3. Route 28 East Main St south of Harrison Blvd.
4. Route 28 Memorial Dr at Brockton line
5. East Main Street west of Memorial Drive (Route 28)
6. Harrison Boulevard West of East Main Street (Route 28)
7. East Spring Street East of Route 28
8. West Spring Street West of Route 28
9. East High Street East of Route 28
10. West High Street west of Route 28

# ROUTE AVON

# 28

*Corridor  
Study*



## Route 28 Corridor Study

AVON, MA

Old Colony MPO - November 19, 2024

Old Colony Metropolitan Planning Organization (MPO)

FFY 2025 UPWP Task 3300 Funded Utilizing FHWA and State Planning Funds



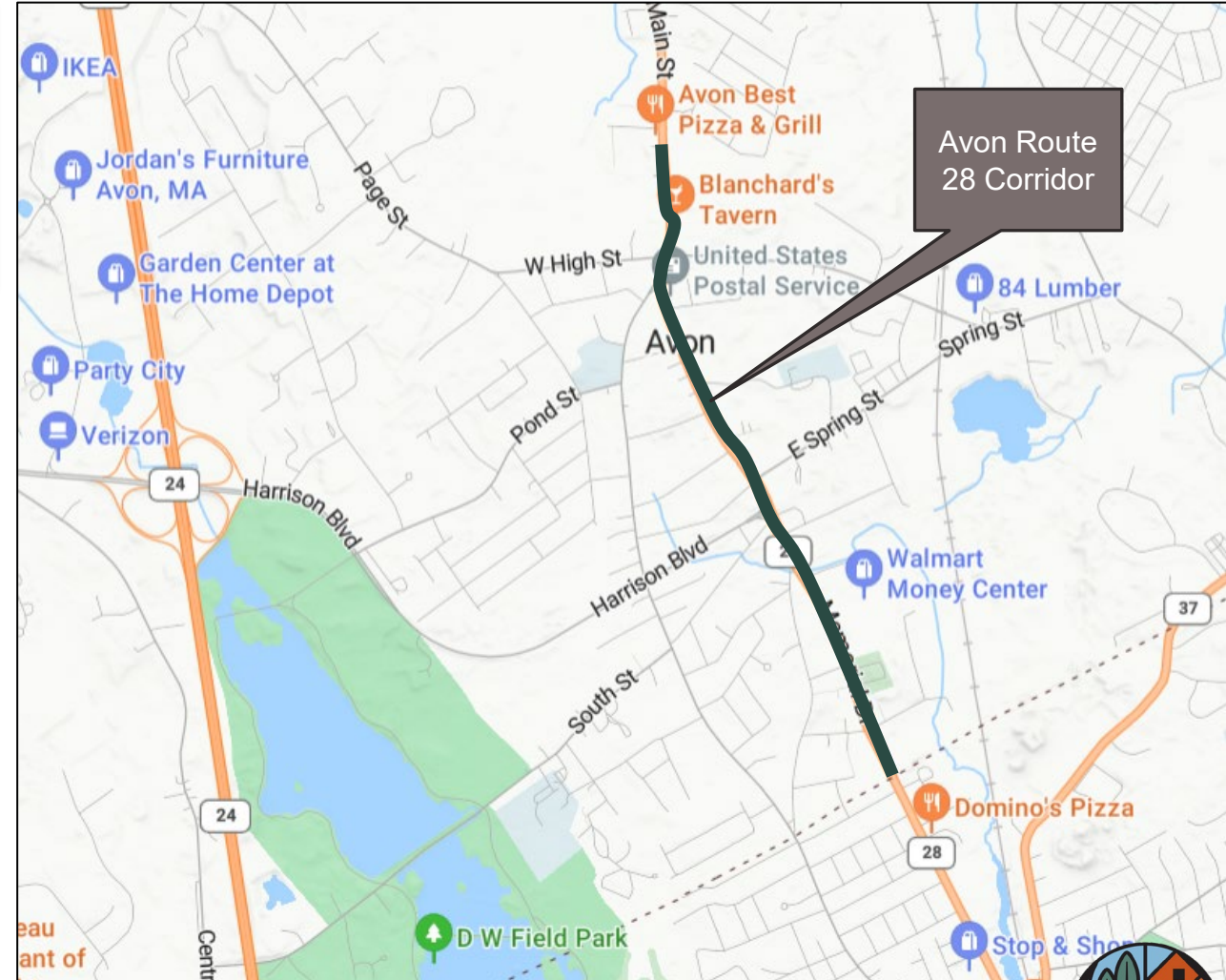
**OLD COLONY**  
PLANNING COUNCIL

# Scope and Purpose

## ROUTE 28 CORRIDOR IN AVON

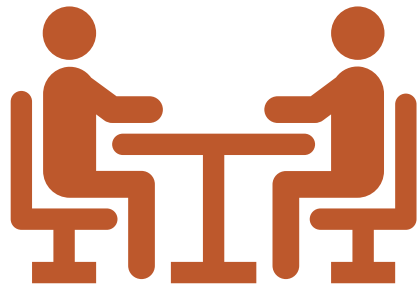
APPROXIMATELY  
1.7 MILES

- ✓ **Jurisdiction** – MassDOT - Jurisdiction
- ✓ **Classification** – Principal Arterial (federal-aid eligible)
  - ✓ Two lane and four lane cross section, sidewalks vary, and no bicycle lanes
- ✓ **Purpose** – Short-Term, Long-Term improvements to improve circulation and safety, and plan for growth, considering all road users
  - ✓ Vulnerable users: pedestrian, bicycle and transit



# Study Process: Public Outreach

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**STAKEHOLDER  
MEETINGS**



**PUBLIC  
MEETINGS**



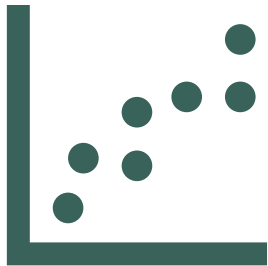
**ONLINE  
SURVEY**



# Study Process: Data Collection

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**6** INTERSECTION  
TMCS



Intersection Turning Movement  
Counts (TMC) And Level-of-  
Service Analysis

CRASH  
ANALYSIS



Crash Rates, number  
and types of crashes,  
Top 200 crash list

**10** ATR  
LOCATIONS



Automatic Traffic Recorder  
Counts (ATR) Traffic Volumes,  
Speed Studies, Percent of Heavy  
Vehicles



# Study Process: Analysis & Next Steps

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Future Traffic Estimates Based  
on Land Use Growth  
Future Level-of-Service Analysis



Improvements based on Public  
Outreach, Analysis and Existing  
Planned Improvements



# Planned Improvement Project – Avon Center

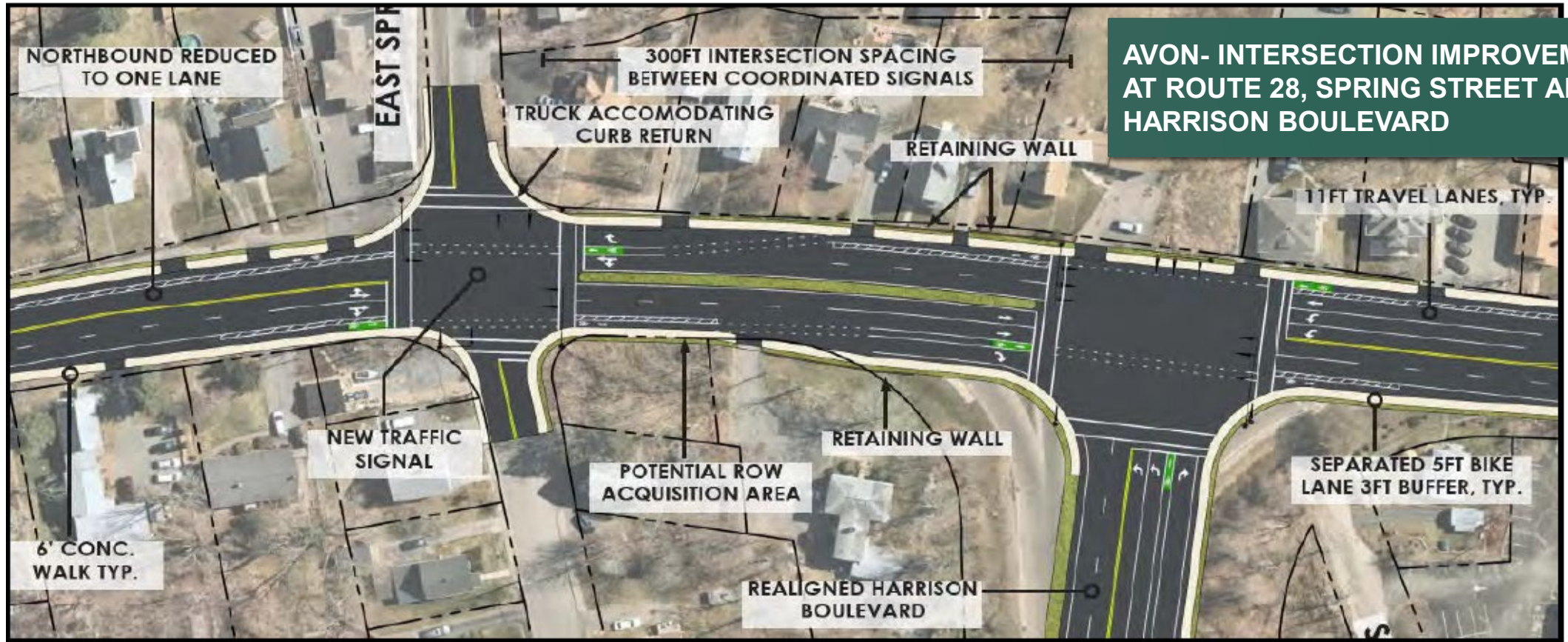
*\*Preliminary Consultant Concept*



(OCPC completed a Road Safety Audit, RSA, [October 9, 2024](#), for this section of Route 28 in Avon Center, at the request of the Town of Avon)



# Project 611979: Current Status 25% Design



- ✓ Signalization at East/West Sprint St provides safe egress for turning vehicles
- ✓ Harrison Blvd realignment improves intersection spacing
- ✓ Sidewalks & buffered on-street bike lanes improve multi-modal accommodation
- ✓ Double left turn lanes at the Harrison Blvd intersection improves LOS and queue lengths
- ✓ Removed slip lanes reduce front to rear collisions





# Study Timeline

TASKS	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25
<b>Develop project scope of work, and study team</b>													
<b>Compile and review previous studies</b>													
<b>Stakeholder consultation</b>													
<b>Data collection program</b>													
Automatic Traffic Recorder Counts													
Turning Movement Counts													
Physical Inventories, signage, Signal and Speed Permits, Timing and Phasing													
Bicycle and Pedestrian accommodations													
Crash Data													
Transit													
Land Use													
Environmental													
<b>Analysis (Existing and Future No-Build)</b>													
Traffic LOS													
Bicycle and Pedestrian LOS													
Crash Rates													
Transit													
<b>Identify Current and Potential Deficiencies</b>													
<b>Public Survey</b>													
<b>Stakeholder Meetings</b>													
Review Analysis and Develop Potential Improvements													
Solicit Input and Potential recommendations													
<b>Conduct Future Conditions Analysis</b>													
Develop Draft Recommendations													
<b>Develop Draft Report</b>													
Circulate to Stakeholders for Review													
<b>Develop Final Report</b>													
Circulate to Stakeholders for Review													





# QUESTIONS / COMMENTS?

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[www.oldcolonyplanning.org](http://www.oldcolonyplanning.org)

**RAY GUARINO**

Principal Transportation Planner  
E-mail: [rguarino@ocpcrpa.org](mailto:rguarino@ocpcrpa.org)

## **Route 104 Corridor Study (Bridgewater)**

To study the Route 104 Corridor, approximately 7.9 miles, in the town of Bridgewater. To develop short-term and long-term recommendations and strategies that focus on transportation equity, improved circulation, improved mobility, reduced congestion, reduced collisions, improvements in air quality, traffic flow efficiency, and improved safety for all transportation modes, including bicycle, pedestrian, and transit accommodation. The corridor study area includes Route 104 from the Raynham Town Line to the East Bridgewater Town Line. Staff will review volume to capacity ratios, levels-of-service, crash analyses, bus routes and transit access, and include public participation as part of the process. The Route 104 Corridor Study will align with industry standards based on Federal and State guidelines and practices, with the consideration of local ordinance and statutes. The study will determine system needs and identify operational deficiencies and will coordinate improvements that support regional objectives, adjacent land use, and future land use development. The study will consolidate and formalize driveway access, improve intersection design, improve air quality, and reduce emissions. Suggested further evaluation, such as intersection Road Safety Audits, Site Impact Analysis, housing demand and supply analysis, before and after analysis, Origin and Destination survey etc. will be discussed.

### **Procedures:**

1. Documentation of Existing Conditions: Gather and compile existing transportation data along Route 104 within the study area. Data, such as, average daily traffic, peak period volumes and levels-of-service, truck, and heavy vehicle volumes, MassDOT truck

exclusions, MassDOT speed permits, traffic signal timing and phasing designs/plans, crashes rates, trip generators, land uses, bus routes (transit and passenger rail), will be compiled. The data and analyses compiled for the existing conditions will be assessed to document the deficiencies along the corridor and vicinity area, and to identify their causes and their impact on traffic flow and accessibility. This section will validate or disprove current perceived problems within the study area. The study will consider public health outcomes as part of ongoing planning and performance measures planning. Consider the anticipated housing needs such as transit-oriented development and affordable housing and provide suggestions for recommendations if applicable. The process shall utilize the CMP, SMS, the 2050 LRTP, Regional Travel Demand Models, Travel Time Studies, and Corridor Studies. All relevant and attainable data will be collected and reported during this phase of the project. Replica, RITIS, Google Traffic, GeoDOT, IMPACT and other resources will be utilized to verify and support analyses. Photos of key locations will be recorded by camera or Small Unmanned Aircraft (Drone) will be deployed as appropriate. Information on Land use, business, and landmark locations will be gathered and compiled. Comprehensive existing condition map layers including but not limited to network, land use, business, physical environments etc., by using GIS software will be compiled and developed.

2. Short-Term and Long-Term Improvements Development: Conduct traffic modeling and simulation analysis with proposed alternatives for mitigation or congestion alleviation developed specific to problems identified in the critical areas. Provide consideration for potential bicycle and pedestrian improvements to ready the project recommendations for compliance with the Healthy Transportation Policy Directive and

alignment with municipal future land use and transportation plans. Alternatives will include recommendations that are cost effective as well as recommendations that will produce the closest to ideal conditions. Consideration will be given to Transportation Systems Management Operations (TSMO) and maintenance, the incidental and routine causes of congestion, Complete Streets, and access management. The promotion of efficient system management and operations is one of the Bipartisan Infrastructure Law (BIL) planning factors seeking to integrate this concept in the planning process. Consider project improvement air quality impact and environmental impact.

3. Prepare Conclusions and Recommendations: The product of this Task is a report that provides a framework for the alleviation of traffic congestion and the improvement of safety throughout the corridor, and to provide the necessary information for stakeholders to move projects forward in the project funding and implementation phases. OCPC will prepare a final report, which will include an outline for implementation and identifies potential funding sources. Short-term and long-term recommendations will be discussed with MassDOT and including projects in the region's TIPs, LRTPs, and beyond.

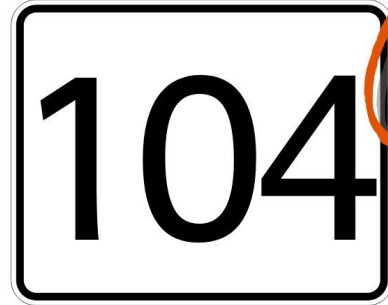
4. Public Participation: Staff will be presenting at public meetings and workshops, developing surveys, and coordinating with the town of Bridgewater, Brockton Area Transit Authority (BAT), Old Colony Joint Transportation Committee, Old Colony Planning Council, MassDOT, District 5, and adjacent RPAs as applicable. Staff will obtain stakeholder input from citizens, community-based organizations, business community, special interest groups, state, and local officials, etc. on the transportation issues facing

the region. Expansive and inclusive public outreach will be in accordance with Old Colony's Public Participation Plan.

**Products:**

Preparation of the Route 104 Corridor Study, which will include conclusions and recommendations. Included in study will be data summary, maps, congestion and safety analysis, traffic flow and safety improvement recommendations (intersection geometric improvement, signal upgrade, bicycle and pedestrian accommodation, transit planning improvement, access management plan, location improvements, speed zoning, heavy vehicle exclusions, etc.) for implementation, and inclusion in MassDOT Project Initiation Form Data for MaPIT, as appropriate.

# ROUTE BRIDGEWATER



## Old Colony MPO Meeting Item 8-C Route 104 Corridor Transportation Study Preview

November 19<sup>th</sup>, 2024

Old Colony Metropolitan Planning Organization  
FFY 2025 UPWP Task 3400



OLD COLONY  
PLANNING COUNCIL

# Bridgewater Route 104 Corridor Overview

APPROXIMATELY  
**8 MILES**  
*in centerline distance*

## ✓ Key places:

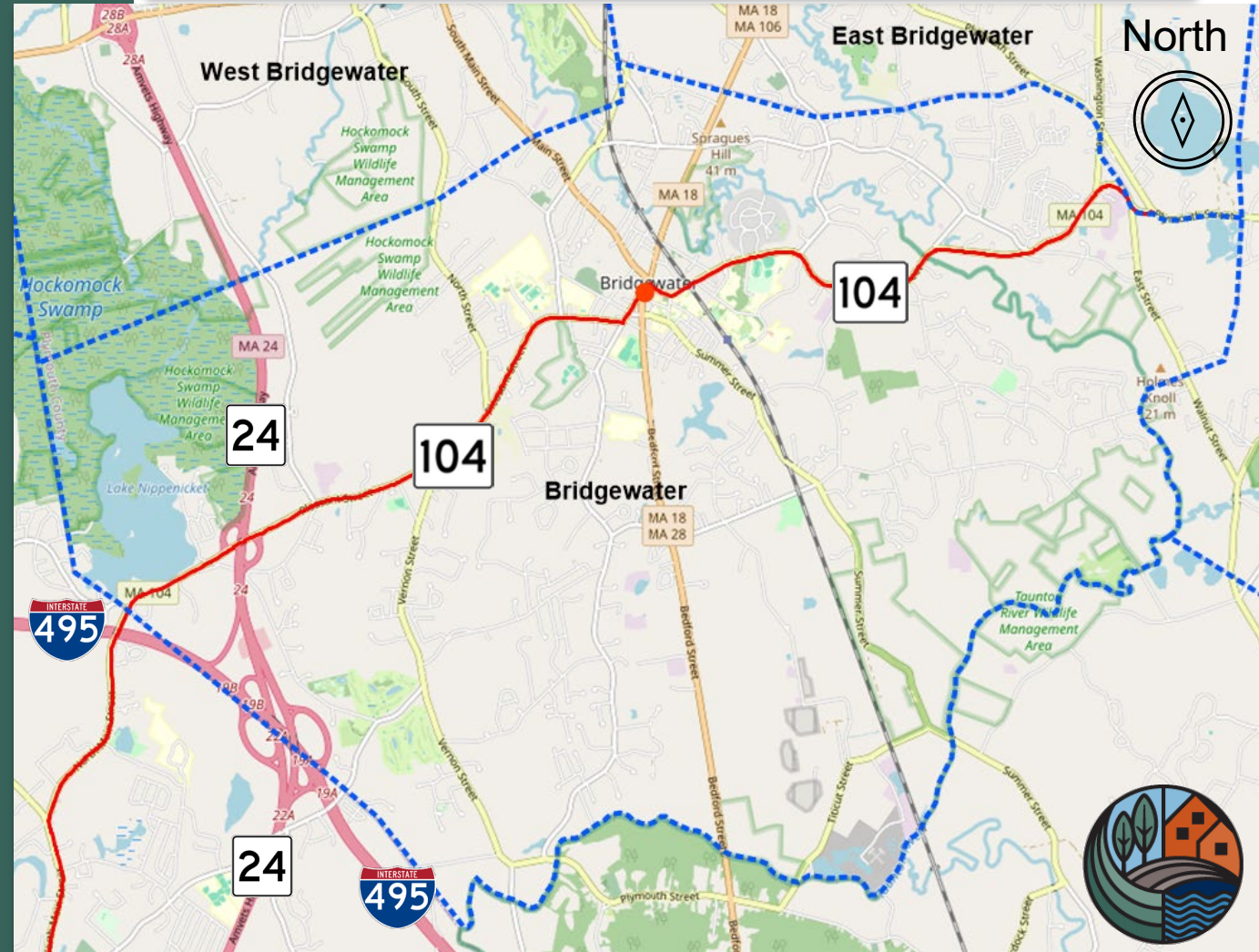
- ✓ Route 24 Interchange
- ✓ BR Regional High School
- ✓ Middle School
- ✓ Central Square
- ✓ BSU

## ✓ Jurisdiction:

- ✓ Majority under local jurisdiction, exception MassDOT owned over Route 24 overpass

## ✓ Road functional classification:

- ✓ Urban minor arterial





# Route 104 Corridor Study Key Steps

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## Documentation of existing conditions

- ATR, TMC, intersection and corridor operation
- Data platforms research and field audits

## Short-term and long-term improvements developments

- Multimodal modeling, simulation
- Evaluation of improvement alternatives

## Prepare conclusions and recommendations

- Community and MassDOT/District 5 coordination
- Current and future programs, and fundings opportunities

## Public and communities outreach

- Survey Monkey
- Meetings (Communities, stakeholders, MassDOT, regional partners and the public)



# Route 104 Corridor Study Products

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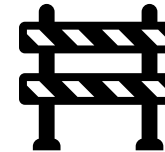
Data, maps and analysis summary



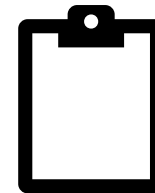
Congestion, safety and traffic flow analysis

## Recommendations

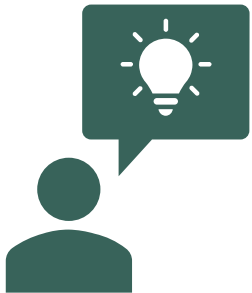
- Intersection geometric improvements
- Corridor layout
- Bicycling and pedestrian accommodation
- Transit planning
- Access Management
- Speed zone, heavy vehicle exclusion



Implementation plan



General Survey, Public Meetings



# Route 104 Corridor Study Project Development Timeline

Tasks	Steps	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
Project Initiation	Initial interview with community, MassDOT and regional partners	█	█										
	Develop Scope of Work, plans for the studies	█	█										
	Review previous studies, plans and documents	█	█										
Public and Community Engagement	Formation of OCPC Study Team and Community Work Group	█	█										
	Initial stakeholders interview meeting	█	█										
	General public user preference survey		█	█	█	█	█						
	Community, stakeholders meetings		█	█									
	JTC, or MPO project update meetings	█					█						█
	Public Meetings								█				
	ATR count, TMC count	█	█										
	Collect and review speed regulation, signal permit and timing plans	█	█	█									
Data Collection	Road inventory studies, on-line and field audit	█	█	█									
	Multi-modal planning data collection	█	█	█									
	Environmental data collection	█	█	█									
	Develop GIS base and operational data maps		█	█	█	█							
	Capacity analysis (LOS, delay and air quality)			█	█	█	█						
Mapping and Data Analysis	Safety analysis (collision cause and countermeasures)			█	█	█	█						
	Multi-modal planning analysis (bicycling, walking, transit and etc)			█	█	█	█						
	Intersection operational evaluation			█	█	█	█						
	Corridor planning and operational evaluation			█	█	█	█						
Existing Condition Assessment	Transportation safe system analysis			█	█	█	█						
	Climate change and environmental review			█	█	█	█						
	Estimate background traffic growth and conditions				█	█	█	█	█				
	Compile site specific land use and road development plans				█	█	█	█	█				
Future Projection and Assessment	Identify future deficiencies				█	█	█	█	█				
	Alternatives analysis and comparison				█	█	█	█	█				
	Development recommendations				█	█	█	█	█				
Plan Design Alternatives Assessment	Circulate draft report for review								█	█			
	Solicit comments and suggestions for updating draft report								█	█			
Draft Report	Provide project development coordination in various funding resources								█	█			
	Circulate the final report									█	█	█	█
	Final Document and archive									█	█	█	█





# QUESTIONS / COMMENTS?

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[www.oldcolonyplanning.org](http://www.oldcolonyplanning.org)

**GUOQIANG LI, PTP, RSP1**

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**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 9**  
**Administrative Matters, Other Business, and Date and Time of**  
**Next Meeting(s)**

**Summary**

**2025 MassDOT Innovation Conference - Please save the dates!**

**May 6 & 7, 2025**

**DCU Center, 50 Foster Street, Worcester, Massachusetts**

The annual MassDOT Transportation Innovation Conference provides a forum for innovative transportation systems, management ideas, and initiatives. Each year, the conference provides an important opportunity for transportation practitioners to share knowledge, sponsor peer-to-peer learning, and collaborate on issues of mutual interest. A focus of this year's conference will be on MassDOT's investment in infrastructure. Conference participants will have the opportunity to discuss the advantages and challenges associated with the innovative methods and technologies being presented.

**2025 Conference Registration and Sponsorship Opportunities Coming Soon!**

## **Fiscal Years 2024-2026 Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program NOFO**

FHWA is accepting applications under the PROTECT Program.

**PROGRAM OVERVIEW:** The purpose of the PROTECT Program is to provide grants on a competitive basis for projects that seek to strengthen surface transportation to be more resilient to natural hazards, including climate change, sea level rise, heat waves, flooding, extreme weather events, and other natural disasters through support of planning activities, resilience improvements, community resilience and evacuation routes, and at-risk coastal infrastructure.

**INFORMATIONAL WEBINARS:** For each Application Open Period, FHWA plans to conduct outreach regarding PROTECT Discretionary Program grants in the form of virtual meetings (Webinars) after the NOFO period opens, and before the NOFO period closes. To view upcoming Webinars and register, please follow the instructions posted on <https://www.fhwa.dot.gov/environment/protect/discretionary>. The Webinars will be recorded and posted on FHWA's PROTECT Discretionary Grant Program Website at <https://www.fhwa.dot.gov/environment/protect/discretionary>.

### **APPLICATION DEADLINES:**

- FY 2024 and 2025 Deadline: February 24, 2025, 11:59 p.m. ET
- FY 2026 Deadline: February 24, 2026, 11:59 p.m. ET

## **FY 2025 RAISE Notice of Funding Availability (NOFO)**

The FY 2025 RAISE NOFO is open and published on [Grants.gov](https://www.grants.gov).

The application process is structured in two rounds:

- Round 1: Reserved for FY 2024 Projects of Merit, with a request deadline of **December 2, 2024**.
- Round 2: Open to all eligible applicants, with a submission deadline of **January 30, 2025**.

The U.S. Department of Transportation (USDOT) Rebuilding American Infrastructure with Sustainability and Equity (RAISE) program provides grants for surface transportation infrastructure projects with significant local or regional impact. The eligibility requirements of RAISE allow project sponsors, including state and local governments, counties, Tribal governments, transit agencies, and port authorities, to pursue multi-modal and multi-jurisdictional projects that are more difficult to fund through other grant programs.

The RAISE Team will hold a series of webinars on How to Compete, Location Designations, and Benefit-Cost Analysis. Register for the webinars and access the recordings on the [RAISE website](https://www.transportation.gov/RAISE). USDOT welcomes your questions at [RAISEgrants@dot.gov](mailto:RAISEgrants@dot.gov). **FY 2025 RAISE GRANT NOFO:** <https://grants.gov/search-results-detail/356890>; **RAISE Website:** <https://www.transportation.gov/RAISEgrants/outreach>

## Federal Funds & Infrastructure Office (FFIO)

The Federal Funds & Infrastructure Office is the lead agency within the Healey-Driscoll Administration tasked with implementing a whole of government approach to ensuring the Commonwealth of Massachusetts can leverage the historic opportunities available for federal funding.

The Federal Funds & Infrastructure Office (FFIO) has launched an ambitious inter-agency strategy for the Commonwealth to successfully compete for the historic levels of federal funding available from the Bipartisan Infrastructure Law (BIL), Inflation Reduction Act (IRA), the CHIPS and Science Act, and more. FFIO is responsible for tracking federal opportunities, facilitating the submission of successful applications for federal funding, and advocating on behalf of Massachusetts projects that advance key priorities including infrastructure, jobs, economic competitiveness, affordable housing, clean energy, decarbonization, resilience, equity, and workforce development.

The next Federal Funds Partnership Meeting is **November 26, 2024 at 2:00 p.m.** A newsletter ahead of that meeting with new grant opportunities, contact information, and other helpful resources will be distributed.

To register for the Zoom meetings, please visit:

[https://us02web.zoom.us/meeting/register/tZUucuyhrzguHNJkkh-XlmZBIQQKxxG\\_Acjl?utm\\_medium=email&utm\\_source=govdelivery#/registration](https://us02web.zoom.us/meeting/register/tZUucuyhrzguHNJkkh-XlmZBIQQKxxG_Acjl?utm_medium=email&utm_source=govdelivery#/registration)



2024 OCPC Annual Summit - December 4, 2024



**OLD COLONY**  
PLANNING COUNCIL

YOU ARE INVITED TO THE  
**OCPC ANNUAL  
SUMMIT**

A chance to learn about the organization,  
connect with members of the community  
and have a fun night out!

**4** DEC | 5:30 PM  
2024 | 8:30 PM

Miraval Ballroom  
838 N Bedford St, East Bridgewater, MA

REGISTER NOW AT:  
[OLDCOLONYPLANNING.ORG/OCPC-SUMMIT/](https://oldcolonyplanning.org/ocpc-summit/)

RSVP by: **11/26/24**

Registration Link: <https://oldcolonyplanning.org/ocpc-summit/>

## **Save the Date - Old Colony SS4A Action Plan Public Meeting, December 11, 2024**

As part of the development of the Old Colony Safe Streets for All (SS4A) Safety Action Plan, a public meeting will be held on December 11, 2024 (6:00 to 8:00 p.m.). Location and meeting format (Hybrid or Virtual) are to be determined.

The goal of the Safe Streets for All (SS4A) Safety Action Plan is to identify high risk locations and propose countermeasures that can be implemented to prevent serious injuries and eliminate traffic fatalities using the Safe Systems Approach.

Reminder - The Interactive Map and Data Dashboard can be accessed by visiting the Safe Streets for All project page on the Old Colony Planning Council website at <https://oldcolonyplanning.org/ss4a/>. Through this map and dashboard, users can view the top locations that have been identified as high-risk for serious injury and fatalities, share their own location that may have been missed, and share their personal experience with the roadways and intersections in the region.

## **Date and Time of Next Old Colony MPO Virtual Meeting(s)**

The Old Colony MPO members are respectfully requested to confirm the dates and times of their next virtual meeting(s).

### **2024**

- **December 17, 2024 at 10 AM**

### **2025**

- **January 21, 2025 at 10 AM**
- **February 18, 2025 at 10 AM**
- **March 18, 2025 at 10 AM**
- **April 15, 2025 at 10 AM**
- **May 20, 2025 at 10 AM**
- **June 17, 2025 at 10 AM**

**November 19, 2024 Old Colony MPO Meeting**  
**Agenda Item 10**  
**Adjournment**

**Summary**

Adjournment of meeting.