October 21, 2025, Old Colony MPO Meeting
Agenda Item 8
Route 80 Corridor Transportation Planning Study
Route 53/139 Corridor Transportation Planning Study
Project Introduction and Overview

Introduction:

1. **Route 80 Corridor Study, Kingston and Plymouth**

To study the Route 80 Corridor (Route 3A in Kingston to Carver Road in Plymouth), approximately 6.5 miles, in the towns of Kingston and Plymouth.

To develop short-term and long-term recommendations and strategies that focus on transportation access, 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 80 from Route 3A in Kingston to Carver Road in Plymouth. 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 80 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 surveys etc. will be discussed.

2. **Route 53/139 Corridor Study, Pembroke**

To study the Route 53/139 Corridor (Route 53/ 139 at the Hanover Town Line to Route 139 at the Marshfield Town Line), approximately 2.5 miles, in the town of Pembroke.

To develop short-term and long-term recommendations and strategies that focus on transportation access, 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 53/139 from the Hanover Town Line to Route 139 at the Marshfield 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 53/139 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; 2. Short-Term and Long-Term Improvements Development; 3. Prepare Conclusions and Recommendations; 4. Public Participation

PRODUCT:
Preparation of the studies reports and documentations, which will include conclusions and recommendations. Included in study will be data, 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.

SCHEDULE:
To be conducted throughout the year and completed by the end of September 2026.