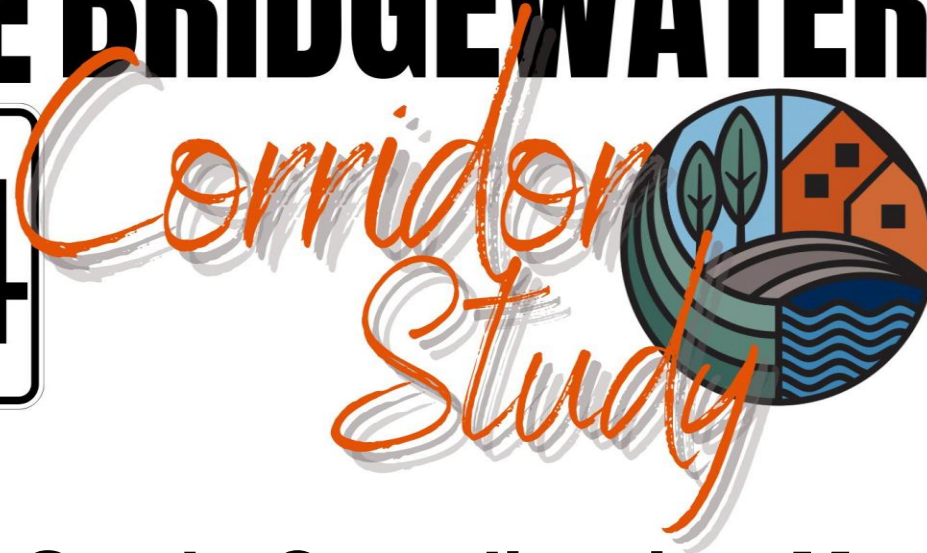
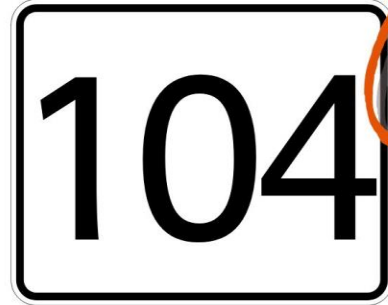


ROUTE BRIDGEWATER



Bridgewater Study Coordination Meeting Introduction to Route 104 Corridor Transportation Study

November 20th , 2024

Old Colony Metropolitan Planning Organization
FFY 2025 UPWP Task 3400



OLD COLONY
PLANNING COUNCIL

Agenda

1. Introduction
2. Review of Scope of Work and Project Development Timeline
3. Discuss study process, steps and expectations
4. Review preliminary data and receive initial input and suggestions from the town of Bridgewater



Bridgewater Route 104 Corridor Overview

✓ 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

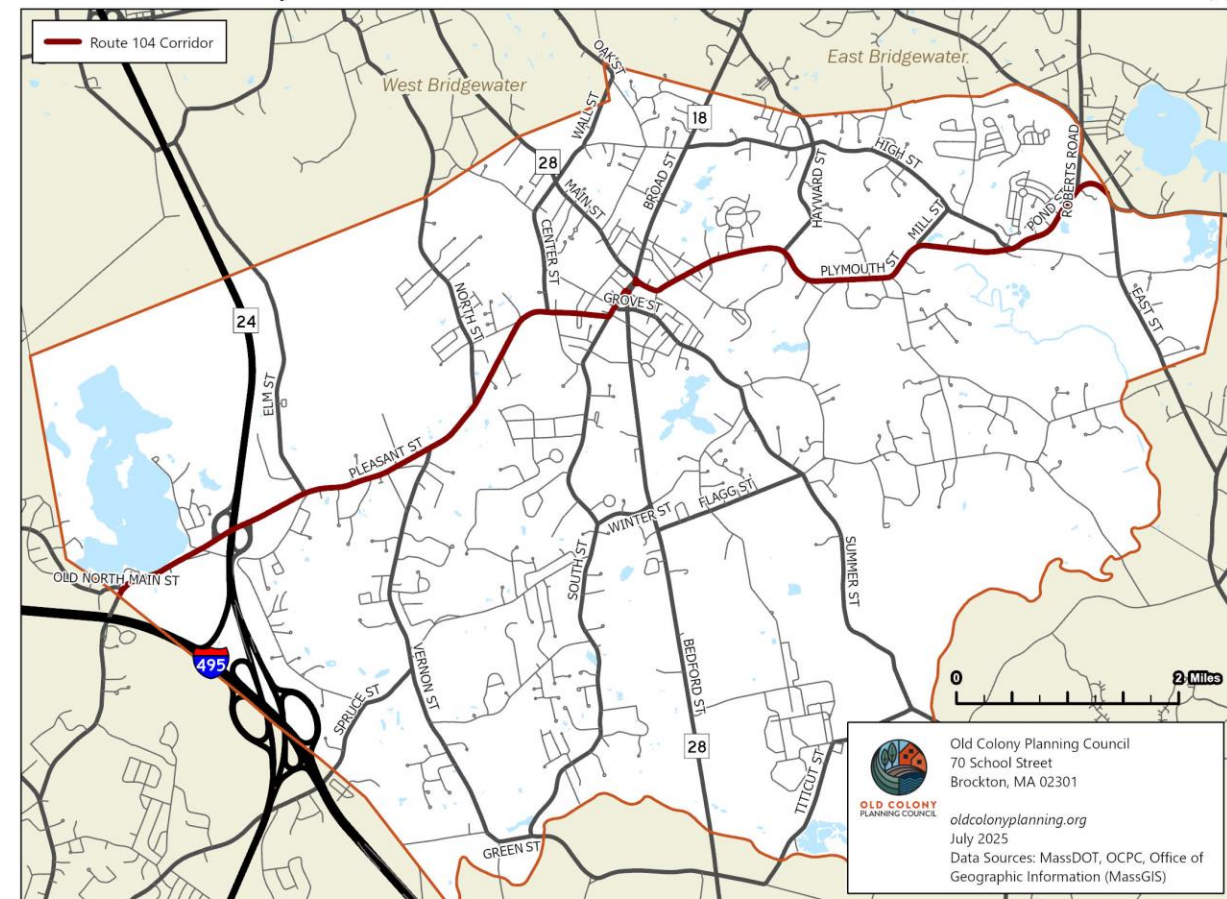
✓ Road functional classification:

- ✓ Urban minor arterial



APPROXIMATELY
8 MILES
in centerline distance

Route 104 Corridor Study Area



Route 104 Corridor Study Key Steps

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

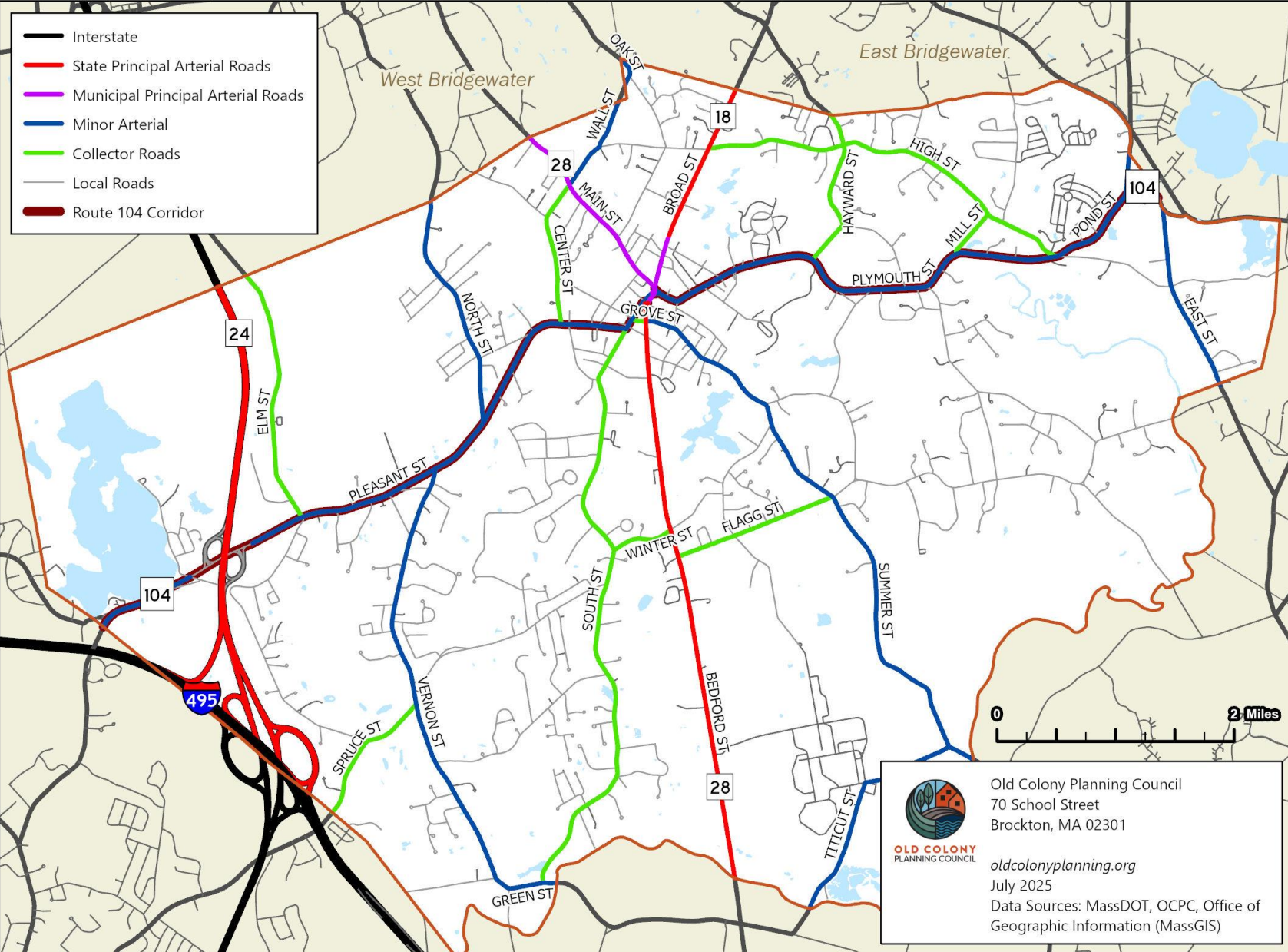
- Community and MassDOT/District 5 coordination
- Current and future programs, and fundings opportunities

Public and communities outreach

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

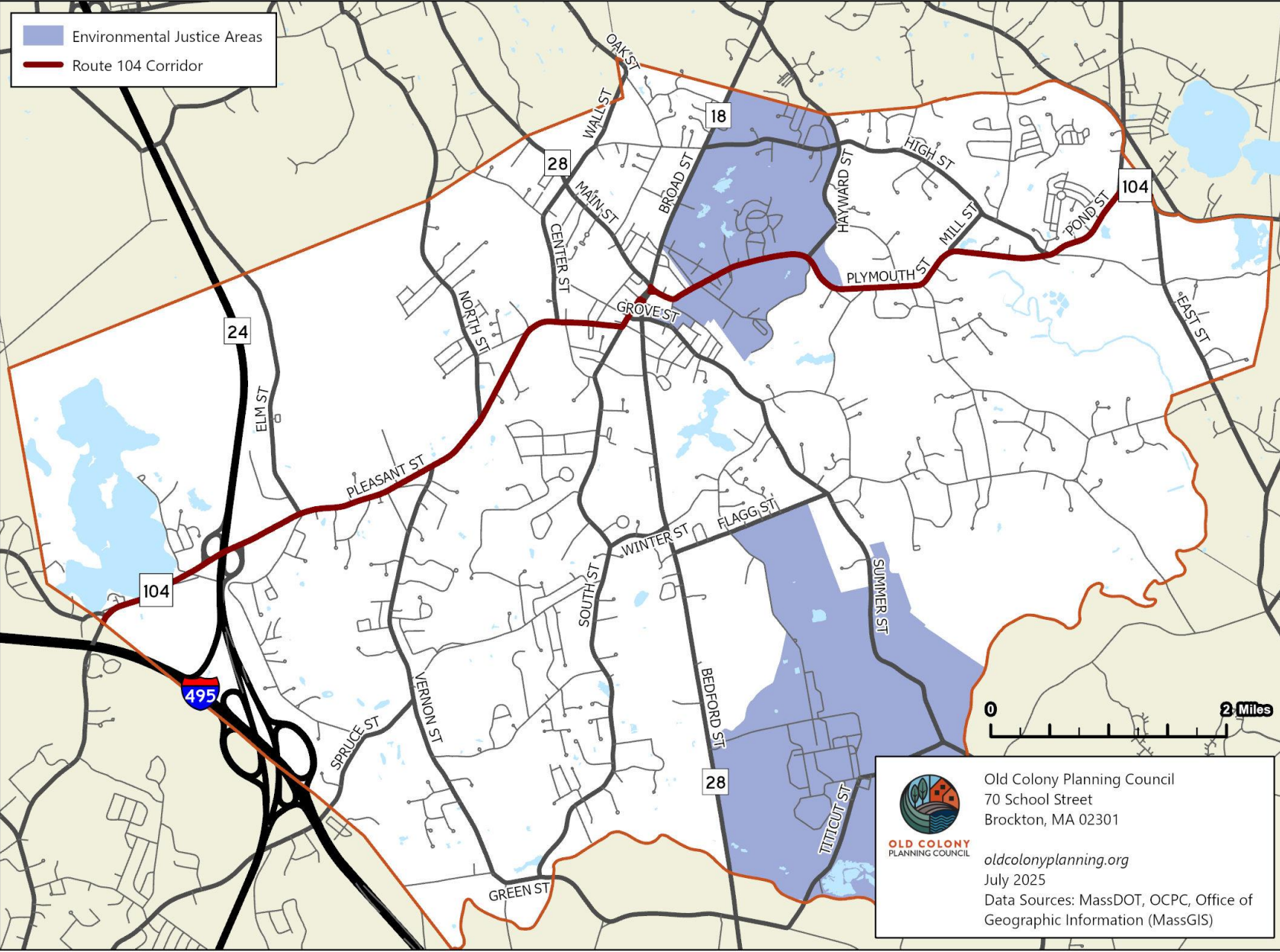


Route 104 Corridor Study Roadway Classification and Jurisdiction




Federal Roadway Classification

Route 104 Corridor Study Environmental Justice Areas

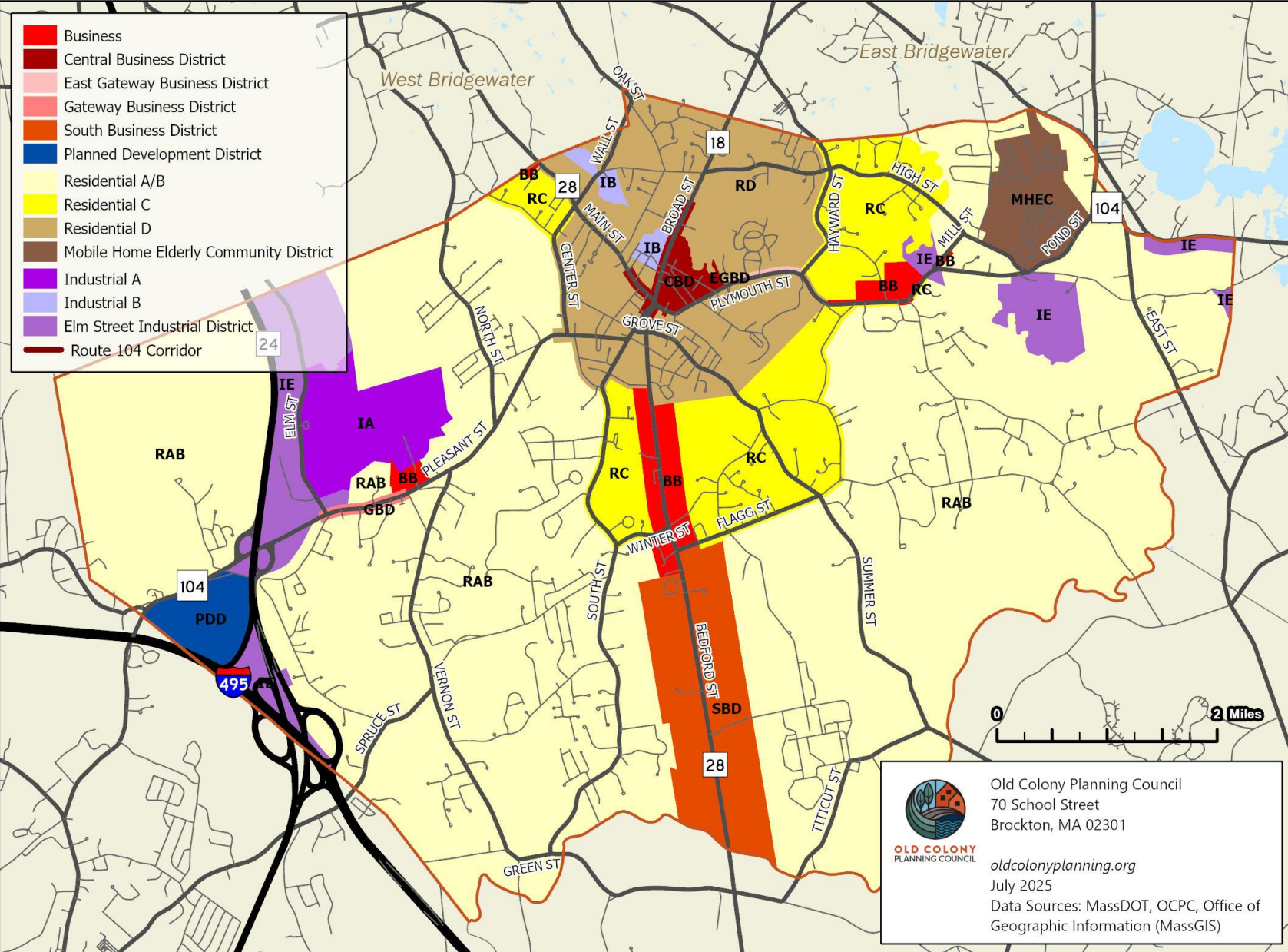


Environmental Justice




Old Colony Planning Council
70 School Street
Brockton, MA 02301
oldcolonyplanning.org
July 2025
Data Sources: MassDOT, OCPC, Office of Geographic Information (MassGIS)

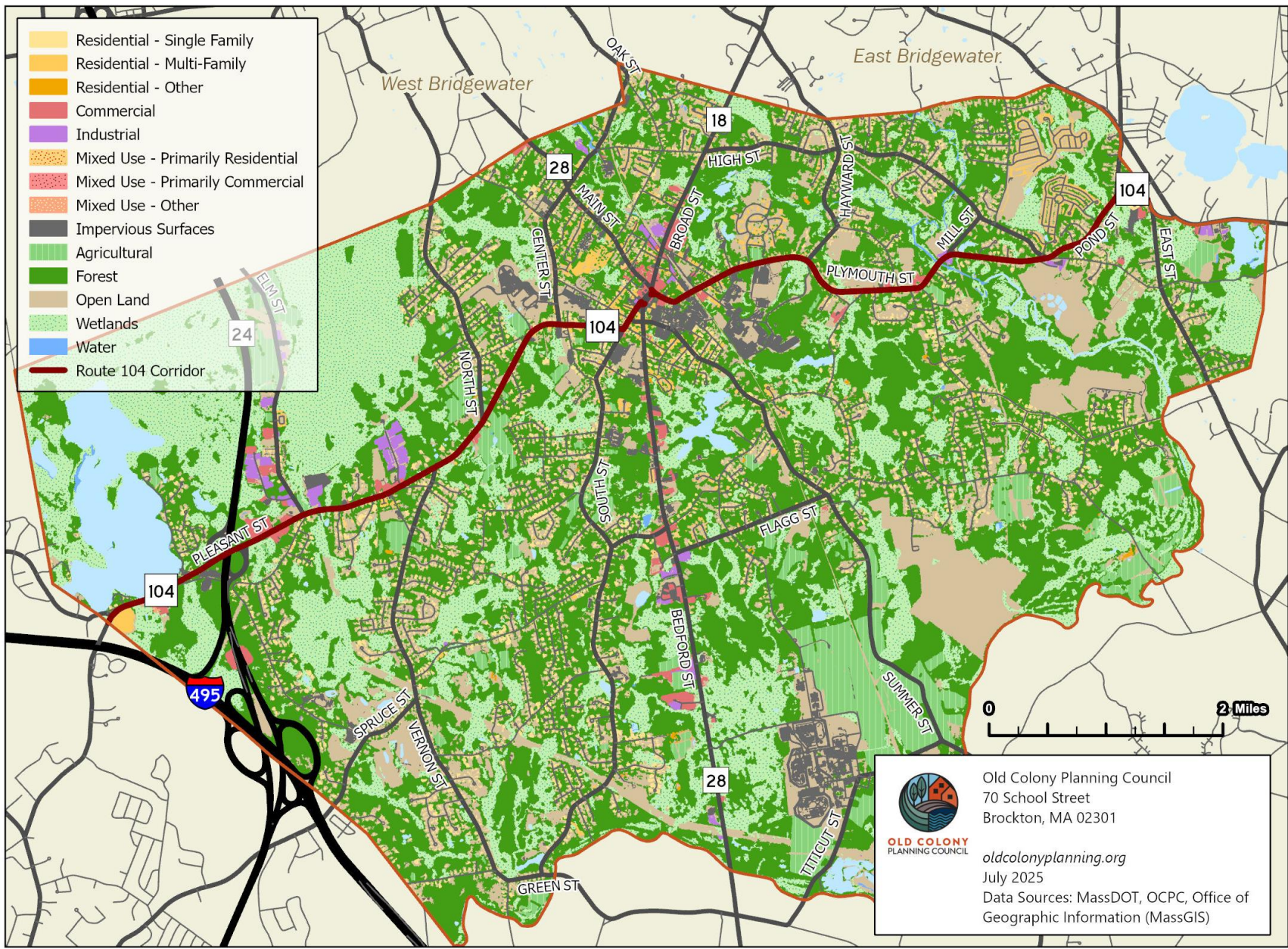
Route 104 Corridor Study Zoning



Zoning Regulation


 Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
oldcolonyplanning.org
 July 2025
 Data Sources: MassDOT, OCPC, Office of Geographic Information (MassGIS)

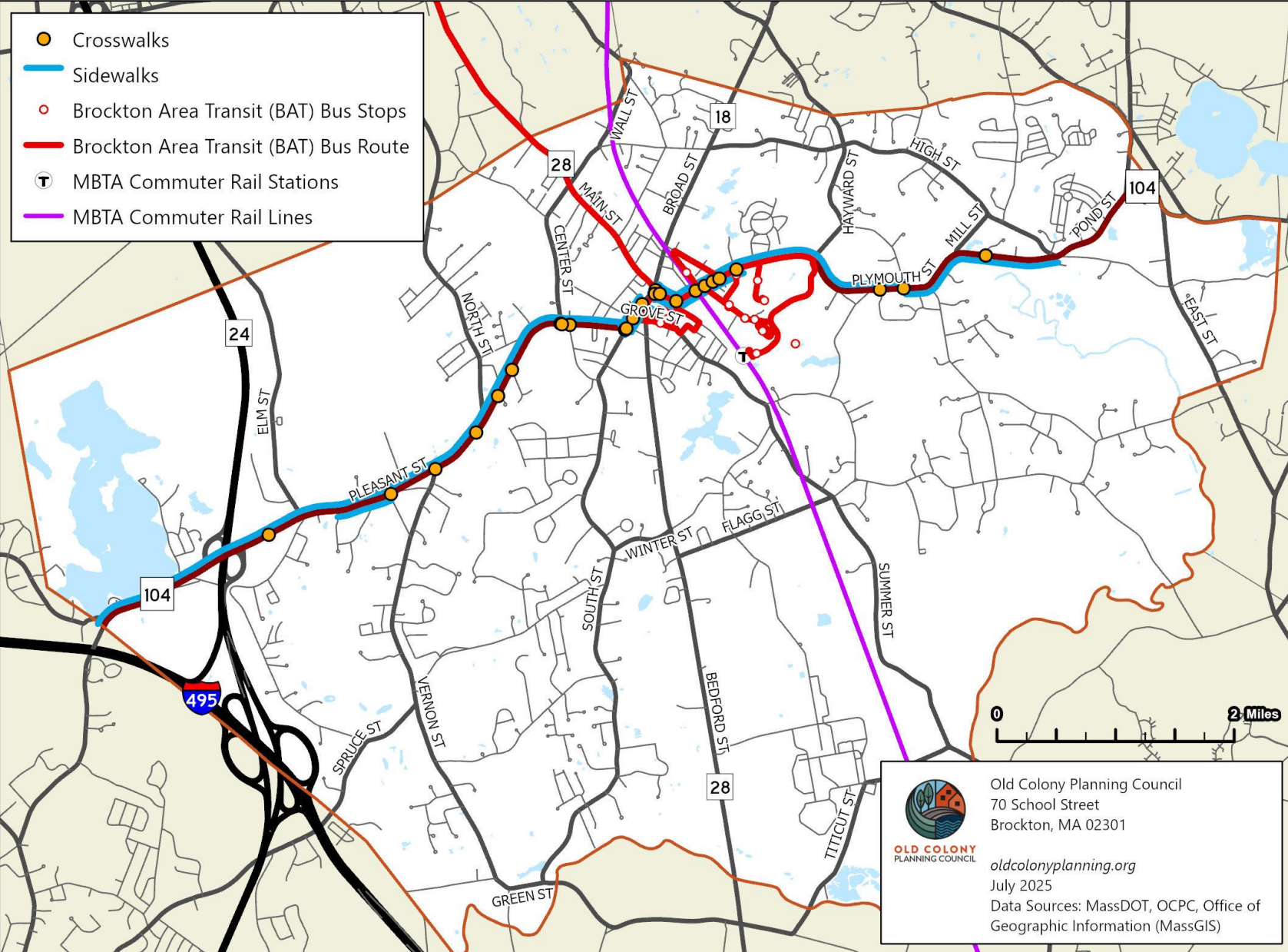
Route 104 Corridor Study Land Use




Land Use Distribution



-  Crosswalks
-  Sidewalks
-  Brockton Area Transit (BAT) Bus Stops
-  Brockton Area Transit (BAT) Bus Route
-  MBTA Commuter Rail Stations
-  MBTA Commuter Rail Lines



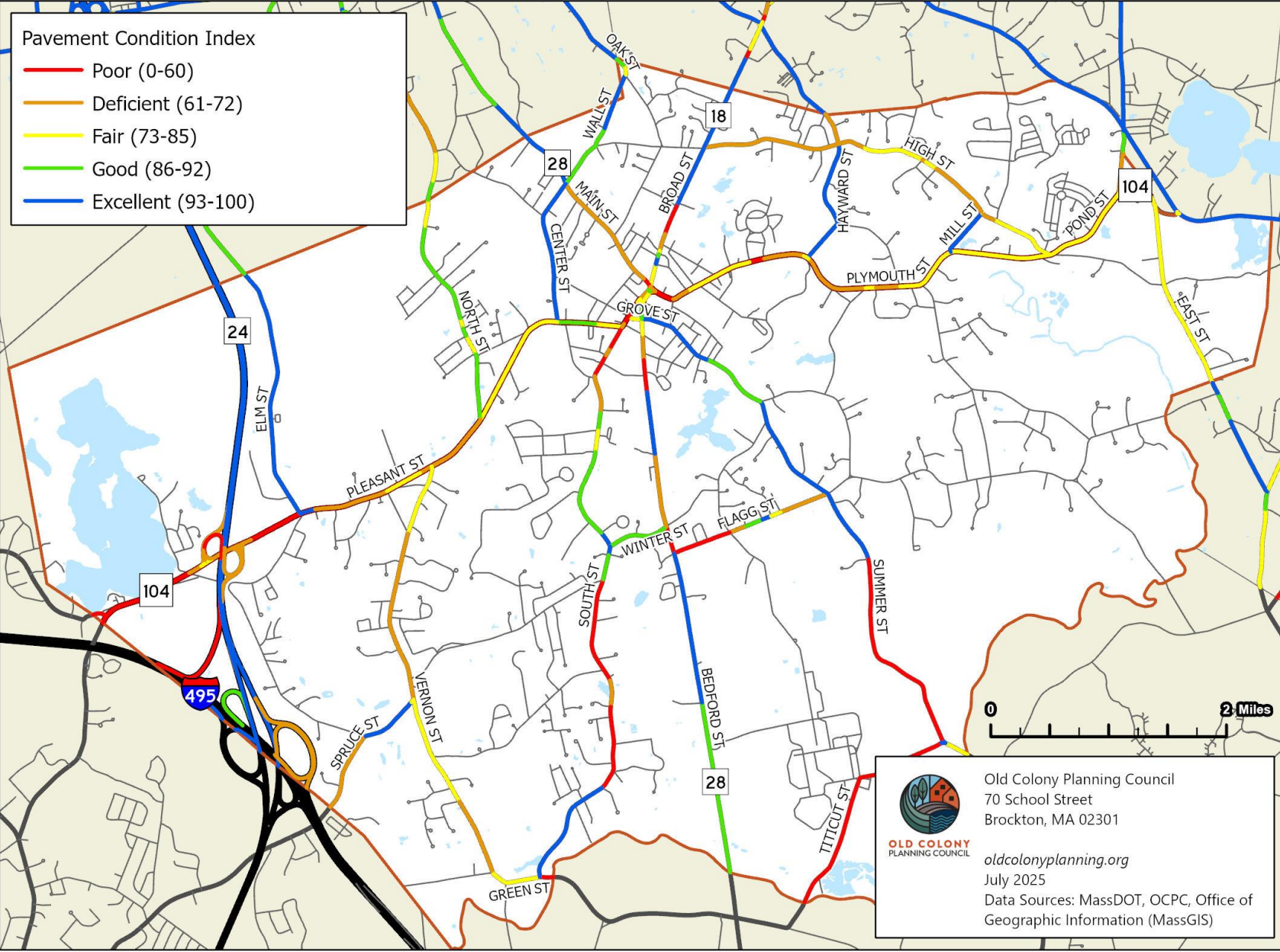


Old Colony Planning Council
70 School Street
Brockton, MA 02301


oldcolonyplanning.org
July 2025
Data Sources: MassDOT, OCPC, Office of Geographic Information (MassGIS)

Multi-use Network

Route 104 Corridor Study Pavement Conditions



Pavement Conditions



Old Colony Planning Council
70 School Street
Brockton, MA 02301
oldcolonyplanning.org
July 2025
Data Sources: MassDOT, OCPC, Office of Geographic Information (MassGIS)

Transportation Modes and Demand Summary for Route 104



VEHICLE VOLUME RANGE:

**1,443 – 22,996
per day**



85% SPEED RANGE:

25 MPH – 46 MPH



HEAVY VEHICLE % RANGE:

5% - 19.2%



Top Pedestrian Intersections:

- 1. Route 104 at Hale St (130)**
- 2. Route 104 at School St (48)**



Check List for the Study Project Development

- Public and Stakeholders Outreach
 - Determination of point of contact
 - Study work group
 - Regular updates
 - Review
 - Survey, meeting notice, project data social media outlets
 - Meetings plan
 - JTC
 - MPO
 - MassDOT, District 5 coordination
- Existing and Future Conditions Analysis
 - Master Plan
 - Approved, planned or conceptual development (size and location)
 - Central Square
 - BSU
 - Existing policies, plans and initiatives
 - Alternative design evaluation
 - Trip generation analysis
 - Network impact

Design Alternatives Guidelines

- Capacity and Safety
 - Intersection design
 - Safe Speed
 - Warrants, AASHTO, MUTCD, Urban Street Design, MassDOT
- Traffic Calming
- Complete Street
 - Bicycling and Pedestrian accommodations
 - RRFB
 - Hawks (PHB)
 - Existing signals and road layout
 - All modes, all age, all abilities
- Transit Planning
 - BAT
 - MBTA
 - Others



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)			█	█	█	█							
	Existing Condition Assessment	Intersection operational evaluation			█	█	█	█						
		Corridor planning and operational evaluation			█	█	█	█						
Transportation safe system analysis				█	█	█	█							
Climate change and environmental review				█	█	█	█							
Future Projection and Assessment	Estimate background traffic growth and conditions				█	█	█	█	█					
	Compile site specific land use and road development plans				█	█	█	█	█					
	Identify future deficiencies				█	█	█	█	█					
Plan Design Alternatives Assessment	Alternatives analysis and comparison				█	█	█	█	█					
	Development recommendations				█	█	█	█	█					
Draft Report	Circulate draft report for review								█	█				
	Solicit comments and suggestions for updating draft report								█	█				
	Provide project development coordination in various funding resources								█	█				
Final Report	Circulate the final report									█	█	█	█	
	Final Document and archive									█	█	█	█	





QUESTIONS / COMMENTS?



OLD COLONY
PLANNING COUNCIL

www.oldcolonyplanning.org

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Project Manager
E-mail Address: gli@ocpcrpa.org