

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

November 19th, 2024

Old Colony Metropolitan Planning Organization FFY 2025 UPWP Task 3400



Bridgewater Route 104 Corridor Overview

√ Key places:

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

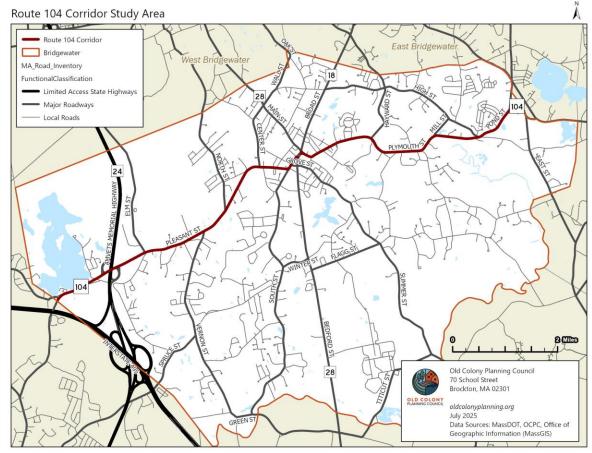
√ Jurisdiction:

- ✓ 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 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 Products



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

Classes	0 . 0 .				- 1							
•	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
·												
evelop Scope of Work, plans for the studies												
eview previous studies, plans and documents												
ormation of OCPC Study Team and Community Work Group												
itial stakeholders interview meeting												
eneral public user preference survey												
ommunity, stakeholders meetings												
C, or MPO project update meetings												
ublic Meetings												
TR count, TMC count												
ollect and review speed regulation, signal permit and timing plans												
oad inventory studies, on-line and field audit												
Iulti-modal planning data collection												
nvironemtal data collection												
evelop GIS base and operatioal data maps												
apacity analysis (LOS, delay and air quality)												
afety analysis (collision cause and countermeasures)												
Iulti-modal planning analysis (bicycling, walking, transit and etc)												
tersection operational evaluation												
orridor planning and operational evaluation												
ansportation safe system analysis												
imate change and renvironmental review												
stimate background traffic growth and conditions												
ompile site specifc land use and road development plans												
entify future deficiencies												
ternatives analysis and comparison												
eveopment recommendations												
rculate draft report for review												
olicit comments and suggestions for updating draft report												
rovide project development coordination in various funding resources												
rculate the final report												
nal Document and archive												
e e o iii e o c u T o o lu re e al lu t o e lt e ir o	trial stakeholders interview meeting eneral public user preference survey memunity, stakeholders meetings C, or MPO project update meetings Elidic Meetings R count, TMC count Ellect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit Elli-modal planning data collection Evelop GIS base and operatioal data maps Elipacity analysis (LOS, delay and air quality) fety analysis (collision cause and countermeasures) Elliti-modal planning analysis (bicycling, walking, transit and etc) Exersection operational evaluation Everoridor planning and operational evaluation Enridor planning and renvironmental review Elimate background traffic growth and conditions Emple site specifc land use and road development plans Enrify future deficiencies Everopment recommendations Everopment recommendations Everopment recommendations Everopment recommendations Everopment recommendations Everopment and Suggestions for updating draft report Everopic development coordination in various funding resources Everople the final report	tial interview with community, MassDOT and regional partners evelop Scope of Work, plans for the studies wiew previous studies, plans and documents irrmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey irrmunity, stakeholders meetings (C., or MPO project update meetings in the count, TMC count is stakeholders of the count of the coun	tial interview with community, MassDOT and regional partners evelop Scope of Work, plans for the studies view previous studies, plans and documents remation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey mmunity, stakeholders meetings C, or MPO project update meetings biblic Meetings R count, TMC count slidlect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit ulti-modal planning data collection vironemtal data collection evelop GIS base and operatioal data maps spacity analysis (LOS, delay and air quality) fety analysis (collision cause and countermeasures) ulti-modal planning analysis (bicycling, walking, transit and etc) tersection operational evaluation erridor planning and operational evaluation ansportation safe system analysis mate change and renvironmental review timate background traffic growth and conditions empile site specifc land use and road development plans entify future deficiencies ternatives analysis and comparison everopment recommendations reculate draft report for review dictic comments and suggestions for updating draft report ovide project development coordination in various funding resources reculate the final report	tial interview with community, MassDOT and regional partners evelop Scope of Work, plans for the studies wiew previous studies, plans and documents interview meeting eneral public user preference survey mmunity, stakeholders interview meetings c, or MPO project update meetings biblic Meetings R count, TMC count interview speed regulation, signal permit and timing plans and inventory studies, on-line and field audit ulti-modal planning data collection vironemtal planning analysis (bicycling, walking, transit and etc) tersection operational evaluation ensportation safe system analysis mate change and renvironmental review timate background traffic growth and conditions ensportations and renvironmental review timate background traffic growth and conditions entity future deficiencies ternatives analysis and comparison evelopment recommendations encomments and suggestions for updating draft report covide project development coordination in various funding resources coulate the final report	tial interview with community, MassDOT and regional partners evelop Scope of Work, plans for the studies wiew previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey mmunity, stakeholders meetings C, or MPO project update meetings siblic Meetings R count, TMC count ellect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit ulti-modal planning data collection vironemtal data collection vironemtal data collection vironemtal data collection virole base and operatioal data maps pacity analysis (LOS, delay and air quality) fety analysis (collision cause and countermeasures) ulti-modal planning analysis (bicycling, walking, transit and etc) teresection operational evaluation arridor planning and operational evaluation arridor planning a	tial interview with community, MassDOT and regional partners evelop Scope of Work, plans for the studies wiew previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey mmunity, stakeholders meetings C, or MPO project update meetings biblic Meetings R count, TMC count dilect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit ulti-modal planning data collection vironemtal planning and operatioal data maps pacity analysis (LOS, delay and air quality) fety analysis (Collision cause and countermeasures) ulti-modal planning analysis (bicycling, walking, transit and etc) tersection operational evaluation anasportation safe system analysis mate change and renvironmental review timate background traffic growth and conditions implie site specific land use and road development plans intify future deficiencies ternatives analysis and comparison vecopment recommendations cultate draft report for review licit comments and suggestions for updating draft report oride project development coordination in various funding resources crulate the final report	tial interview with community, MassDOT and regional partners velop Scope of Work, plans for the studies view previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting dieneral public user preference survey munuity, stakeholders meetings c, or MPO project update meetings blic Meetings R count, TMC count dilect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit ulti-modal planning data collection vironemtal data collection vironemtal data collection vironemtal data collection vironemtal data; (collision cause and countermeasures) ulti-modal planning analysis (LOS, delay and air quality) fiety analysis (collision cause and countermeasures) ulti-modal planning analysis (bicycling, walking, transit and etc) tersection operational evaluation riridor planning and operational evaluation ansportation safe system analysis mate change and renvironmental review timate background traffic growth and conditions mipile site specific land use and road development plans mitify future deficiencies ternatives analysis and comparison vecopment recommendations culate draft report for review licit comments and suggestions for updating draft report ovide project development coordination in various funding resources culate the final report	tial interview with community, MassDOT and regional partners welop Scope of Work, plans for the studies wiew previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey mmunity, stakeholders meetings	tial interview with community, MassDOT and regional partners velop Scope of Work, plans for the studies vriew previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting meral public user preference survey memunity, stakeholders meetings C, or MPO project update meetings To MPO project update up	tial interview with community, MassDDT and regional partners vielop Scope of Work, plans for the studies view previous studies, plans and documents rmation of OCPC Study Team and Community Work Group tial stakeholders interview meeting tial stakeholders reterview meeting meneral public user preference survey minunity, stakeholders meetings C, or MPO project update meetings blic Meetings C, or MPO project update meetings blic Meetings R count, TMC count lillect and review speed regulation, signal permit and timing plans and inventory studies, on-line and field audit util-modal planning data collection vironemtal ganalysis (LOS, delay and air quality) fety analysis (LOS, delay and air quality) fety analysis (collision cause and countermeasures) util-modal planning analysis (bicycling, walking, transit and etc) teresection operational evaluation anasportation safe system analysis mate change and renvironemental review timate background traffic growth and conditions miple site specific land use and road development plans entify future deficiencies ternatives analysis and comparison vecopment recommendations reculate draft report for review licit comments and suggestions for updating draft report couled traffic report for review licit comments and suggestions for updating draft report couled report	tial interview with community, MassDOT and regional partners welop Scope of Work, plans for the studies view previous studies, plans and documents rimation of OCPC Study Team and Community Work Group tial stakeholders interview meeting eneral public user preference survey munity, stakeholders meetings (C., or MPO project update (C., or MPO project update (C., or MPO project update (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project development coordination in various funding resources (C., or MPO project develo	tial interview with community, MassDOT and regional partners velop Scope of Work, plans for the studies view previous studies, plans and documents ration of OCPC Study Team and Community Work Group tail stakeholders interview meeting eneral public user preference survey ammunity, stakeholders meetings and project update meetings are survey ammunity, stakeholders meetings are survey are survey are survey and survey speed regulation, signal permit and timing plans and inventory studies, on-line and field audit utili-modal planning data collection and survey are survey and inventory studies, on-line and field audit utili-modal planning data collection are survey are survey and are survey are survey and survey are survey and survey are survey are survey and survey are survey and survey are survey and survey are survey are survey a



QUESTIONS / COMMENTS?

GUOQIANG LI, PTP, RSP1

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



www.oldcolonyplanning.org