PLANNING AND ZONING MEETING

MUNICIPAL IMPROVEMENT (MI) APPROVAL REQUEST

FOR THE

GLENVILLE ROAD CORRIDOR TRAFFIC SIGNAL OPTIMIZATION & INTERSECTION IMPROVEMENTS

Department of Public Works, Engineering Division

December 1, 2020
Funding provided in part by the Congestion Mitigation and Air Quality Program (CMAQ)

CMAQ Goal:
- Optimize Traffic Operations
- Pedestrian Improvements
- Geometric Improvements
- Improve Overall Safety

Project Timeline:
- March 2015: Grant Application
- February 2016: Grant Awarded
- Spring 2017: Design RFQ Process
- October 2018: Municipal Master Agreement
- January 2019: PAL for Preliminary Design
- January 2020: PAL for Final Design
- November 2020: BOS MI Approval
Plan of Conservation and Development

- **Objective 5.7 - Decrease Traffic Congestion**
  - a. Develop an access management plan to improve traffic flow
  - c. Review traffic issues around all schools
  - g. Continue to address traffic congestion, improve traffic flow
  - h. Maintain the ITE Level of Service (LOS) "C"
  - i. Look for ways to reduce stop and go traffic movements
Glenville & Pemberwick Neighborhood Plan

- Sections 4.1B and 4.3 - Transportation & Infrastructure
- Section 4.2 - Pedestrian and Bicycle Circulation
- Section 5.1A and 5.1C - Sidewalk connectivity and ADA compliance
Glenville Road Project Corridor

- Urban minor arterial road
- 18,000 Average Daily Traffic (ADT)
- 1,500 linear feet
- 25 mph speed limit

Project Understanding

- Traffic Signal Upgrades at 3 Intersections
- Geometric Improvements at Glenville Rd/Pemberwick Rd
Corridor Issues

- Heavy Congestion
  - Commuter traffic connection
  - School traffic generates morning peak hour traffic
- Major unsignalized intersection at Pemberwick Road
- Roadway geometry & sightline issues
- Lack of pedestrian accommodations/Sidewalk gaps
- Parking Issues
- Access Management
Progress to Date

- Walk Audit & Public Informational Meeting 1
  - March 20, 2019
  - Corridor Issues & Opportunities

- Corridor Analysis
  - Data collection (traffic, safety)
  - Existing & Future (2029) traffic conditions

- Public Informational Meeting 2
  - May 21, 2019
  - Preliminary Corridor Concepts (3)

- Public Informational Meeting 3
  - September 25, 2019
  - Preferred Corridor Concept

- BOS MI Approval
  - November 2020
Traffic Analysis

- Future (2029) Conditions without Improvements
- Future (2029) Conditions with Improvements
- Level of Service (LOS) Results

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<th>LEVEL-OF SERVICE CRITERIA FOR SIGNALIZED INTERSECTIONS</th>
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<td>LEVEL OF SERVICE</td>
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Future (2029) Conditions – No Improvements
Future (2029) Conditions - with Preferred Corridor Concept

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Turning Lane Eliminated
LOS C for both AM & PM peak

AM C
PM B

AM B
PM C
Improvements Proposed at Glenville Street and Shopping Center Driveway

- Widen the Glenville St. for longer westbound right-turn lane
- New sidewalks
- Realign crosswalks and ADA ramps
- Upgrade traffic signal equipment
- Relocate parking on Glenville St.
Improvements Proposed at Glenville Street/Road and Riversville Road

- Extending EB LT-turn lane
- Extend raised island
- Tighten the northeast corner radius
- Upgrade traffic signal equipment
- Signalize the Bank drive-through
- Reconstruct the existing parking spaces
Improvements Proposed at Glenville Road and Pemberwick Road

- Install traffic signal
- Widen Pemberwick Rd. for left & right turn lanes
- The widening of the eastern leg of Glenville Rd. to provide the required sight distance
- New sidewalks and new crosswalks (complete sidewalk connection)
- Relocation of parking area

Trees to be removed and replaced at 1.5 ratio
Improvements Proposed at Glenville Road and Weaver Street

- Widen Weaver St. for left and right turn lanes
- New sidewalks and crosswalks (complete sidewalk connection)
- Upgrade traffic signal equipment

Trees to be removed and replaced at 1.5 ratio
Next Steps

• P&Z MI Approval
• Milone & MacBroom Final Design NTP
• BET/RTM CIP Budget Approval FY 21/22($3M request with $1.7M reimbursable)
• Final Design Spring/Summer 2021
• Permitting Fall 2021
• Bidding Winter 2021
• Construction Spring 2022
Comments/Questions

Project Webpage:
https://www.greenwichct.gov/1493/Glenville-RdSt-Corridor-Traffic-Improvement

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