Asylum Avenue & Sigourney Street Intersection Improvements

State Project No. 63-720

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November 4, 2021
Agenda

• Project Overview
  • Location & Purpose
  • Crash History
  • Existing Conditions
  • Proposed Improvements
  • Traffic Operating Conditions
• Cost Estimate and Funding
• Schedule
• Public Comments and Questions
Project Overview

• Project Scope:
  • Intersections Improvements at Asylum Ave. & Sigourney St.
  • Restriping along Asylum Ave. from Willard St. to Summer St.

• Primary purpose: Improve Safety

• Additional goals:
  • Better accommodate pedestrians and bicyclists
  • Modernize antiquated traffic signal equipment
Crash History

- Asylum Ave. at Sigourney St. among top 10 highest crash locations in Hartford
- 71 crashes reported over 3-year period (2018-2020)
- Injuries reported in 19 (27%) of reported crashes
- Most common collisions types:
  - Rear-end (34%)
  - Sideswipe (30%)
  - Angle (28%)
Asylum Avenue at Sigourney Street Intersection Improvements

- Restripe Asylum Ave to one through lane in each direction
- Provide left-turn lanes on all 4 approaches
- Provide bike lanes on Asylum Ave from Sigourney St to Sumner St
- Provide parking lane on north side of Asylum between Willard & Sigourney
Traffic Signal Improvements

• **Existing Conditions:**
  • Equipment is antiquated (+30 years old) and has exceeded its anticipated service life
  • Vehicle detection inoperable
  • Smaller 8” signal heads no longer comply with MUTCD standards
  • Inefficient signal timings settings

• **Proposed Improvements:**
  • Full replacement of traffic signal equipment
  • Install 360-degree cameras for vehicle detection
  • Change to concurrent pedestrian phasing
  • Optimize signal timing settings
Intersection Improvements

- Replace sidewalk ramps to be ADA compliant
- Curb radius improvements
  - NW, NE, and SE corners to accommodate buses
  - Catch basin to be replaced on SE corner
  - Easements required
Rights-of-Way

For any property rights needed...

- The City will be acquiring the necessary rights in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970

- All property owners are entitled to a written offer of just compensation based on the fair market value of the rights needed for the project.

- Property owners will be given an opportunity to consider the offer and negotiate.
Traffic Operating Conditions

- Capacity analysis conducted using industry standard Synchro software to determine impacts on traffic operating conditions
  - Level-of-Service (LOS) is a qualitative measure describing traffic conditions using letters A – F, like a report card
  - Average delay experienced by all motorists at intersection reported in seconds
- Project is expected to increase delays in the afternoon peak hour, with minimal impacts the rest of the day
- Goal of project is to improve **safety**

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Cost and Funding

• Construction cost is approximately $700,000
• Funding:
  • 90% - Local Road Accident Reduction Program (LRARP) administered by CTDOT
  • 10% - City of Hartford
Schedule

• Design Phase completion: March 2022
• Advertising for construction bids: April 2022
• Construction: Fall 2022 – Summer 2023
Questions/Comments

• Write comment/question in chat box

• Comment after conclusion of the meeting
  • The 2-week comment period will end on November 18, 2021

• Please write to Frank Dellaripa, PE, City Engineer:
  • Frank.Dellaripa@hartford.gov

• Presentation available on City website at:
  https://www.hartfordct.gov/Government/Departments/Public-Works