Somerville Ave Utility and Streetscape Improvements

Public Meeting - Updates and Construction Impacts

Mayor Joseph A. Curtatone
Alderman JT Scott
Alderman Ben Ewen-Campen

Presented by
Jessica Fosbrook, PE, ENV SP, Project Manager, Capital Projects & Planning, City of Somerville
Rachel Burckardt, PE, Project Manager, WSP
Steve Garant, Resident Engineer, WSP

March 14th, 2018, Public Safety Building
What We’re Covering Tonight

• Project Overview
• Project Team
• Construction Timeline
• Types of Construction Impacts
• Utility work – Eversource Gas and Electric
• Project Communication
• Questions
Project Extents

Construction timeframe:
• April 2018 – Summer 2021

Streetscape Improvements – lighter touch

Stormwater Box Culvert

Streetscape Improvements

Utility Upgrades – entire project area
Box Culvert and Utilities - Cross-Section

- New 16" Water Main
- New 14' by 6' Stormwater Box Culvert
- New Communications Duct Bank
- Line Existing 39" by 26" Brick Sanitary Sewer
- Line Existing 72" Brick Combined Sewer
- New 12" Water Main
- Existing Communications, Electric, and Gas
- Line Existing 12" Clay Sanitary Sewer
Streetscape - Typical Section

- 11' Travel Lanes
- 6.5' Fully Protected Bike Lanes
- 7' Parking Lane (where space available)
- Silva Cells
- Stormwater Green Infrastructure
- 51 New Trees
Bicycling for All Ages & All Abilities

Photo Credit: Toole Design Group
Enhanced Tree Growth
Construction Timeline

- Spring/Summer work in Plaza:
  - Test pits (to locate utilities)
  - Sewer relocation
  - New water line
- Spring/Summer work elsewhere:
  - Test pits (to locate utilities)
  - Survey work and videos (surface and in sewers)
- Later in 2018:
  - Box culvert construction
General Impacts

- **Moving work zones:**
  - Daily work zones (set-up, take-down)
  - Long-term work zones (barriers, fencing)

- **Parking:**
  - Rolling “No Parking” zones
    - Work day (e.g., 6 AM – 7 PM)
    - Long-term (24/7)

- **Detours**
  - Traffic management plans
  - Follow-up public meetings
  - Variable message signs
General Impacts (continued)

- **Work Hours:**
  - Normal work hours: 7 am to 7 pm
  - Most work during the daytime
  - Limited nighttime and weekend work

- **Water service:**
  - Brief shutdowns to install temporary piping
  - Brief shutdown to install permanent service and new meter
General Impacts (continued)

- **Bicycles and Pedestrians:**
  - Temp. Bike lanes around long-term work areas (east of Prospect St.)
  - Sidewalks, crosswalks, and access to buildings maintained.
Bus Route Detours/Bus Stop Relocations

- Public notification before detours or stop relocations
- Bus stop relocations:
  - Spring/summer 2018: Shifting the mid-block bus stop locations near the Plaza
  - Future relocations related to bus route detours
- Bus Route Detours:
  - No proposed detours in spring 2018
  - Short term
  - Long term
Tree Replacements and Removals

- Trees to be removed:
  - Poor health
  - Utility construction
  - *Trees to be removed as construction advances*

- Replacement Trees (55)
  - Special tree pits with soil cells
  - Loosely placed loam
  - Irrigation

The actual number is 51 new trees to be planted as part of construction. This number as presented in the meeting on 3/14/18 (55) is incorrect.
Other Spring Construction Activity

• Eversource Gas – Somerville Ave/Plaza/Sanborn Ct
Other Spring Construction Activity

- **Eversource Gas – Prospect St**
Other Spring Construction Activity

• Eversource Electric
Other Spring Construction Activity

- Eversource Electric

Install 3-#4cu from MH20657 to new TLCB DL=65'

Remove 3-#4cu from MH8651 to old TLCB DL=76'

Somerville Ave

MAN HOLE WALLBREAK MH20657
Project Communication

- General public
- Business specific
- Website:
  https://www.somervillema.gov/unionsquareinfrastructure
Questions?

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