

North Acton Fire Station



Article 2

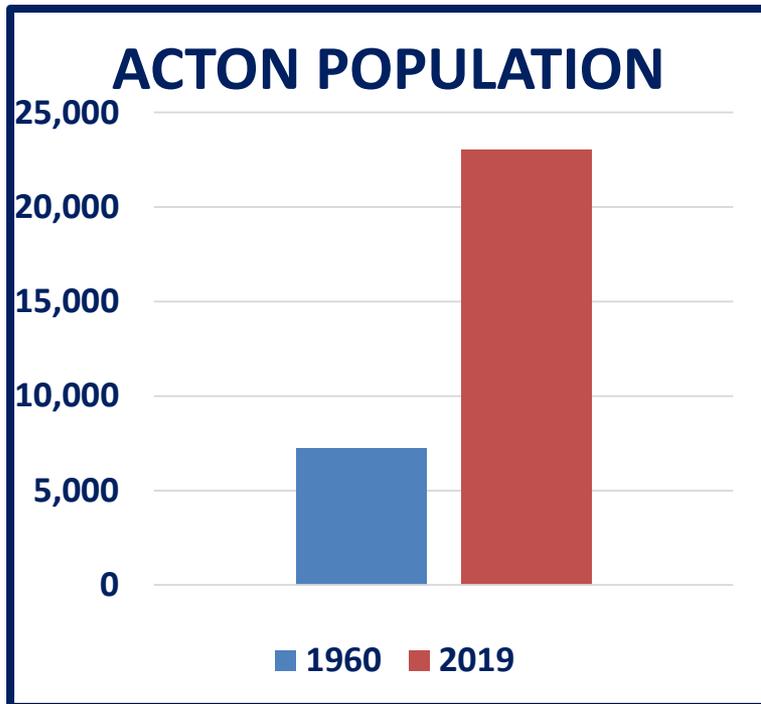
December 10, 2019

Special Town Meeting

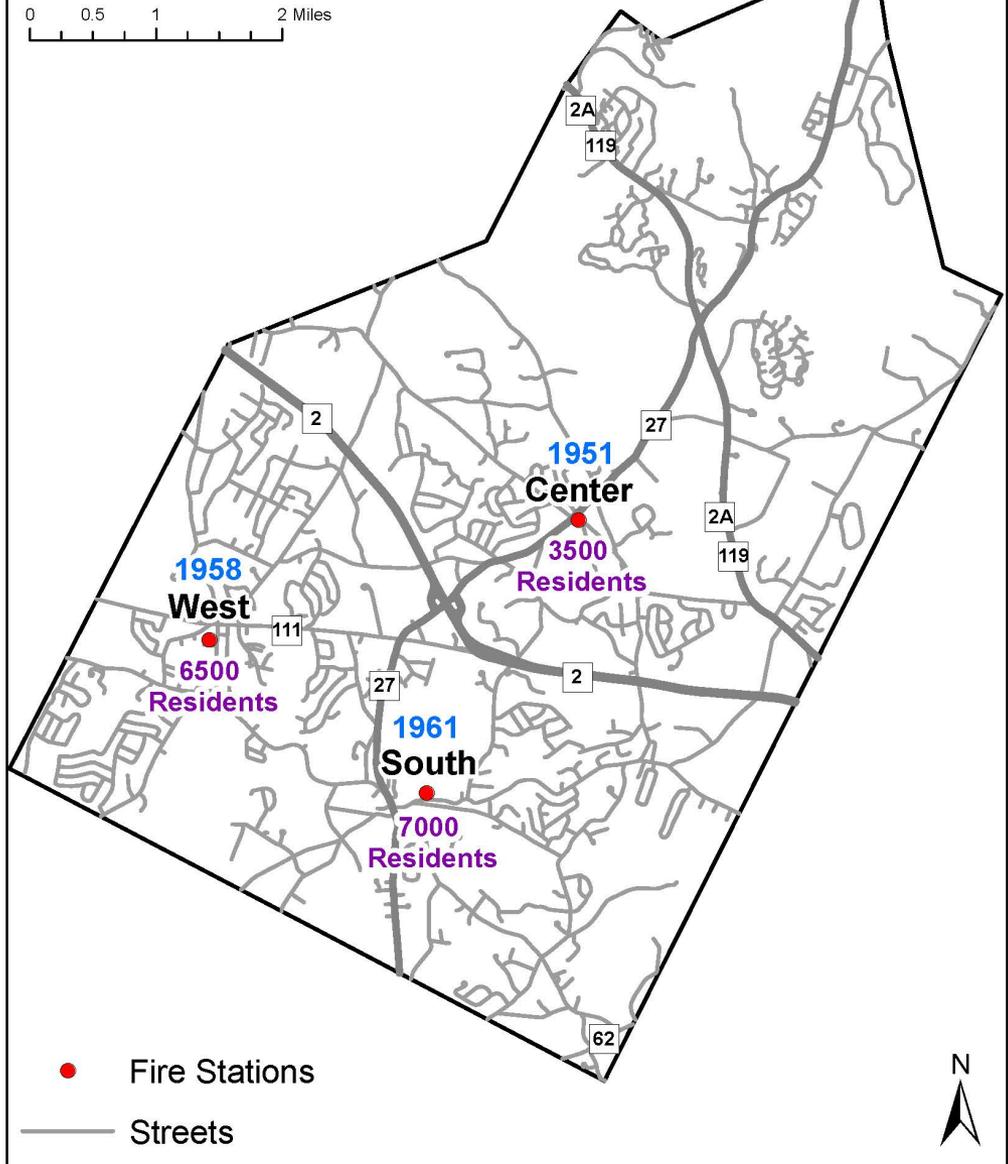


North Acton Fire Station

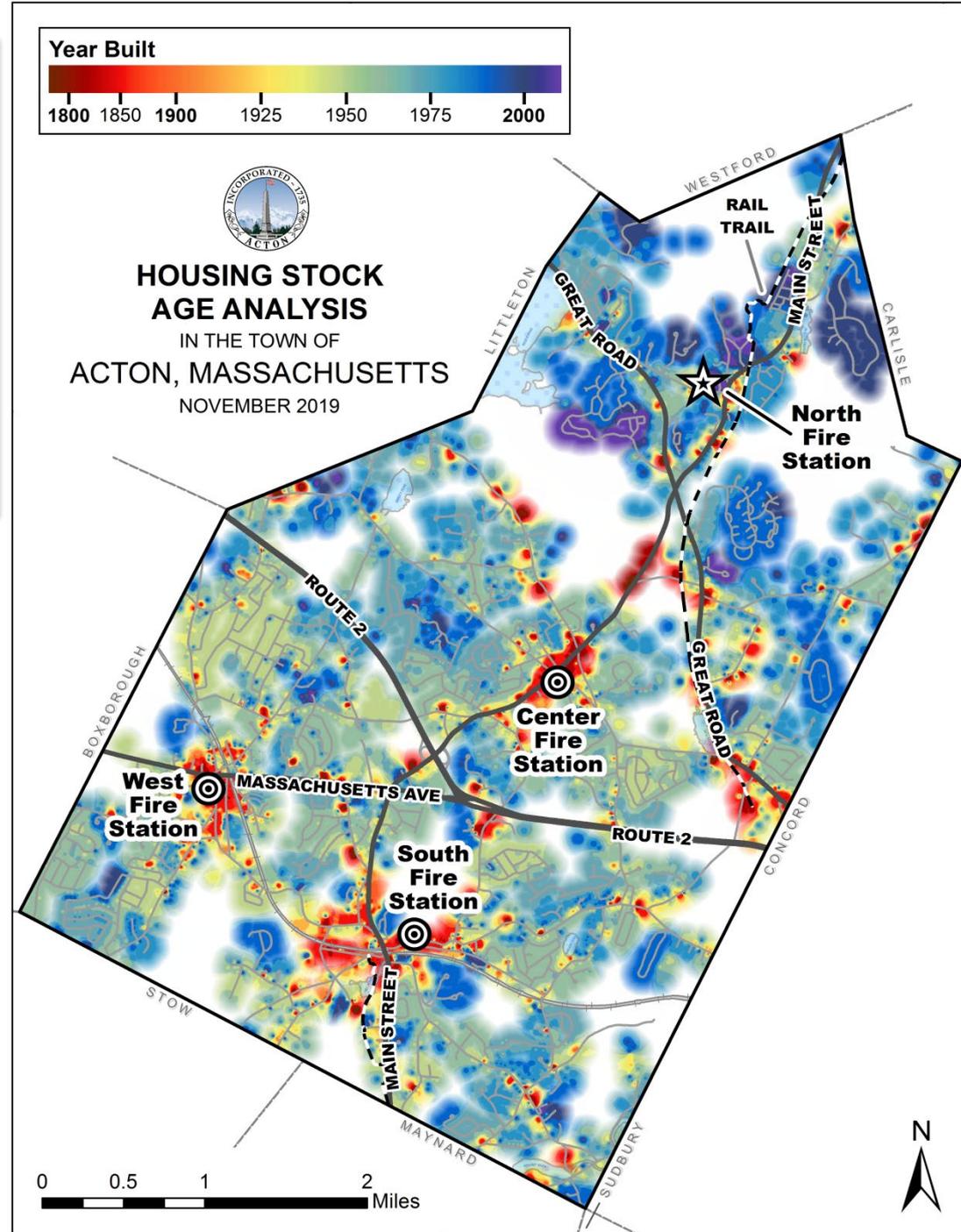
Population Growth



Town of Acton, MA Fire Station Deployment History



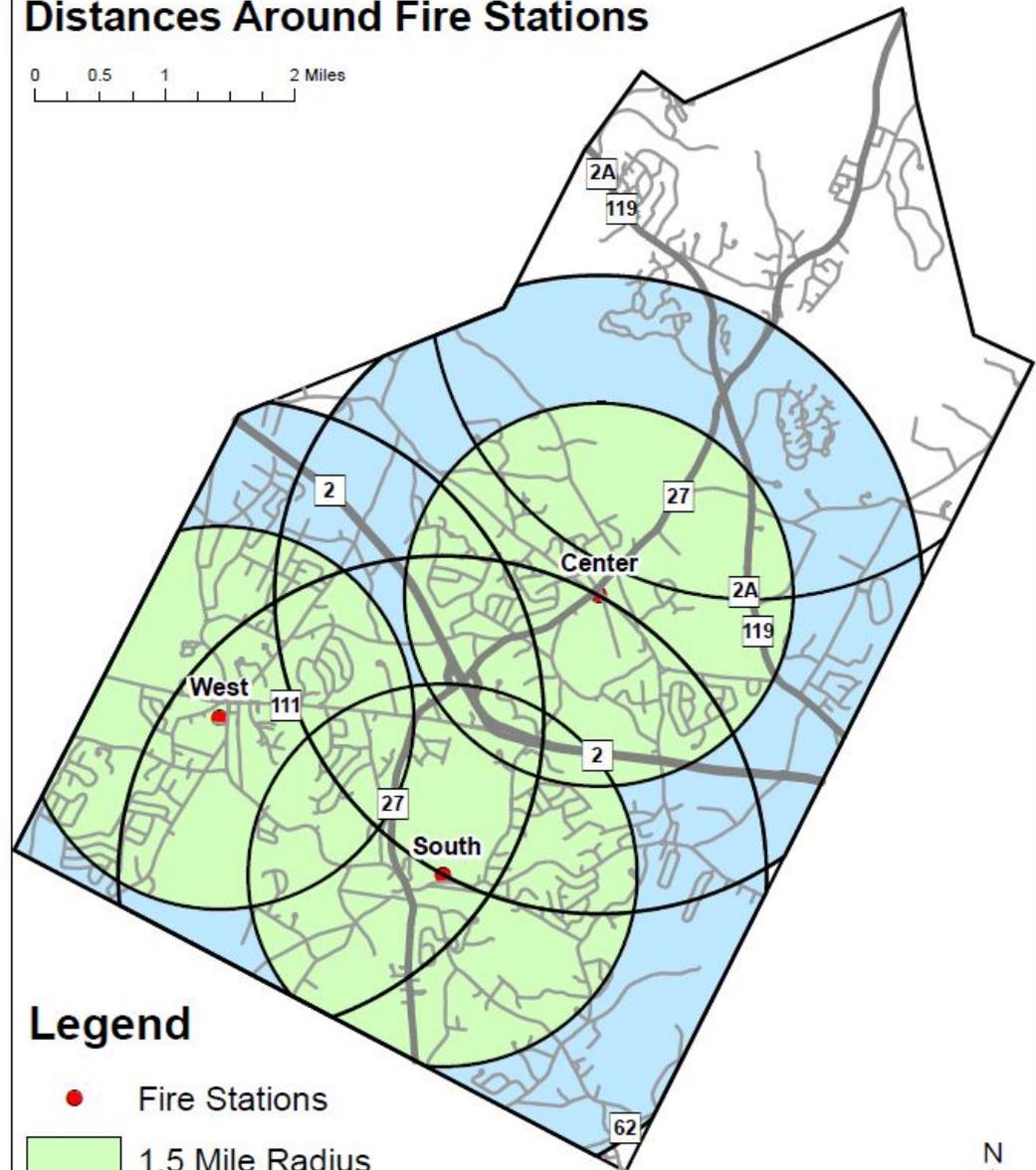
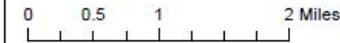
North Acton Fire Station Population Growth



North Acton Fire Station

Current Coverage

Town of Acton, MA Distances Around Fire Stations



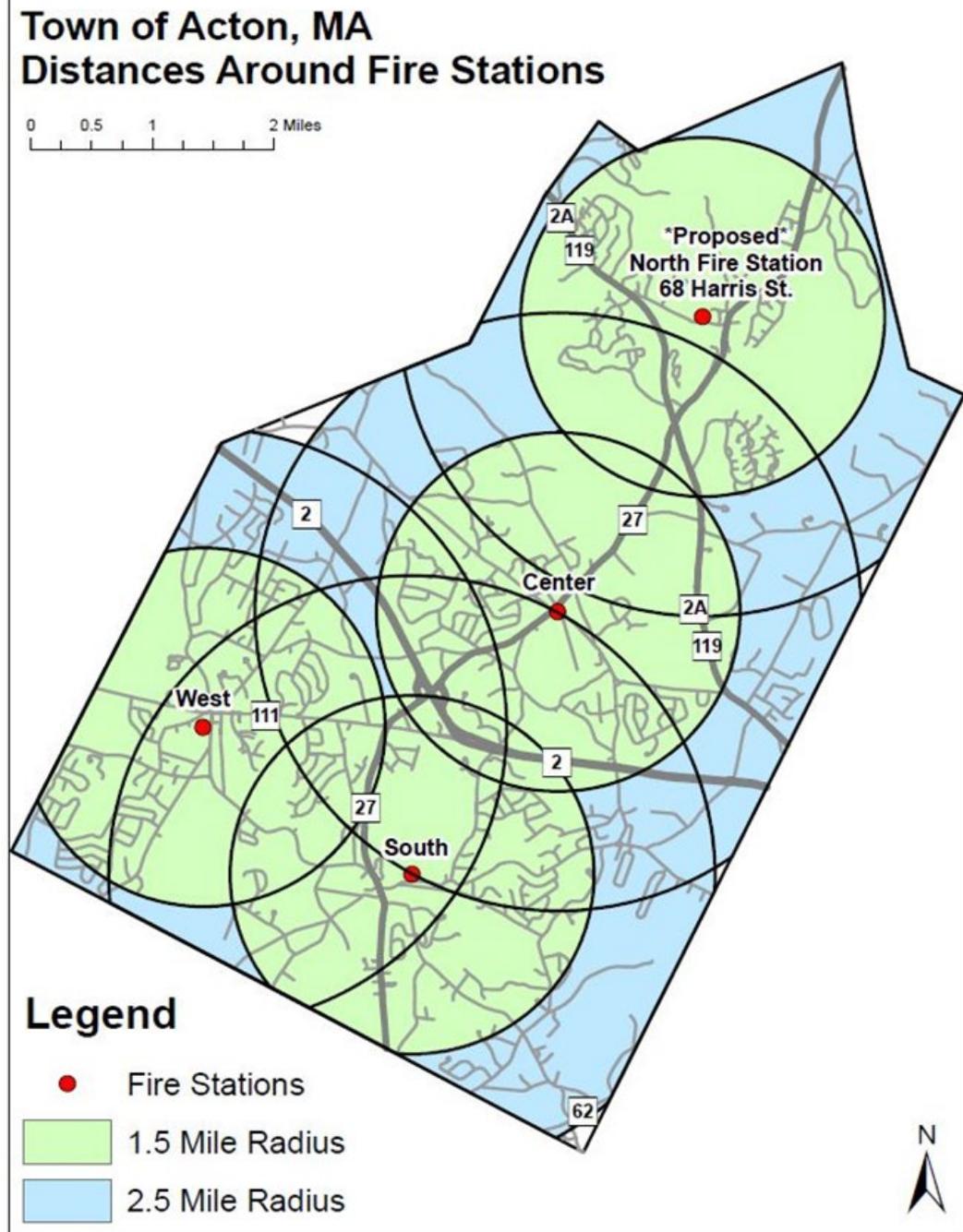
Legend

- Fire Stations
- 1.5 Mile Radius
- 2.5 Mile Radius



North Acton Fire Station

Proposed Coverage



North Acton Fire Station

Current Response Times

EXISTING STATION AND ESTIMATED RESPONSE TIME MAP OF ACTON, MASSACHUSETTS



Legend

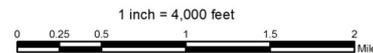
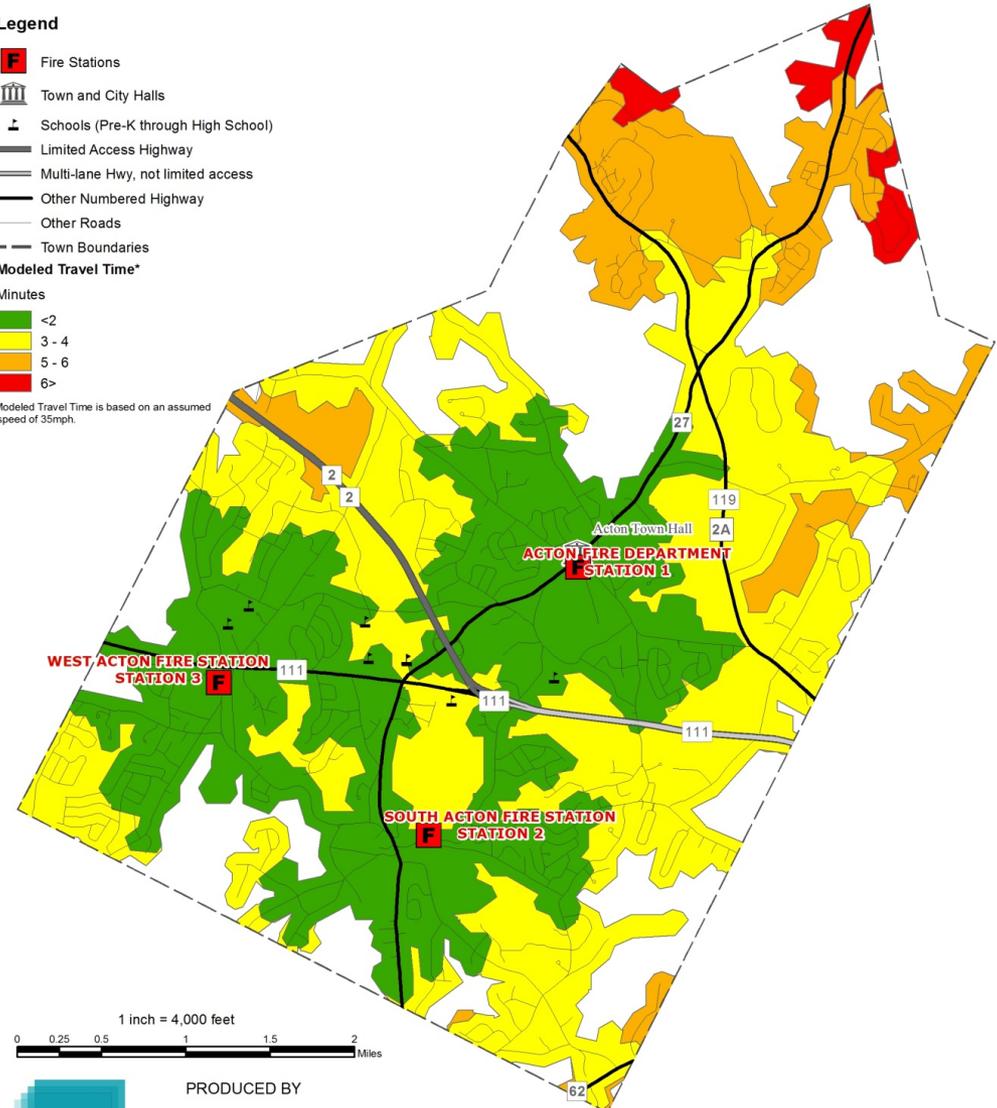
- Fire Stations
- Town and City Halls
- Schools (Pre-K through High School)
- Limited Access Highway
- Multi-lane Hwy. not limited access
- Other Numbered Highway
- Other Roads
- Town Boundaries

Modeled Travel Time*

Minutes

- <2
- 3 - 4
- 5 - 6
- 6 >

Modeled Travel Time is based on an assumed speed of 35mph.



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North Acton Fire Station

Proposed Response Times

EXISTING AND PROPOSED STATION AT 68 HARRIS STREET WITH ESTIMATED RESPONSE TIME MAP OF ACTON, MASSACHUSETTS



Legend

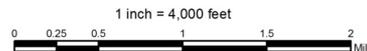
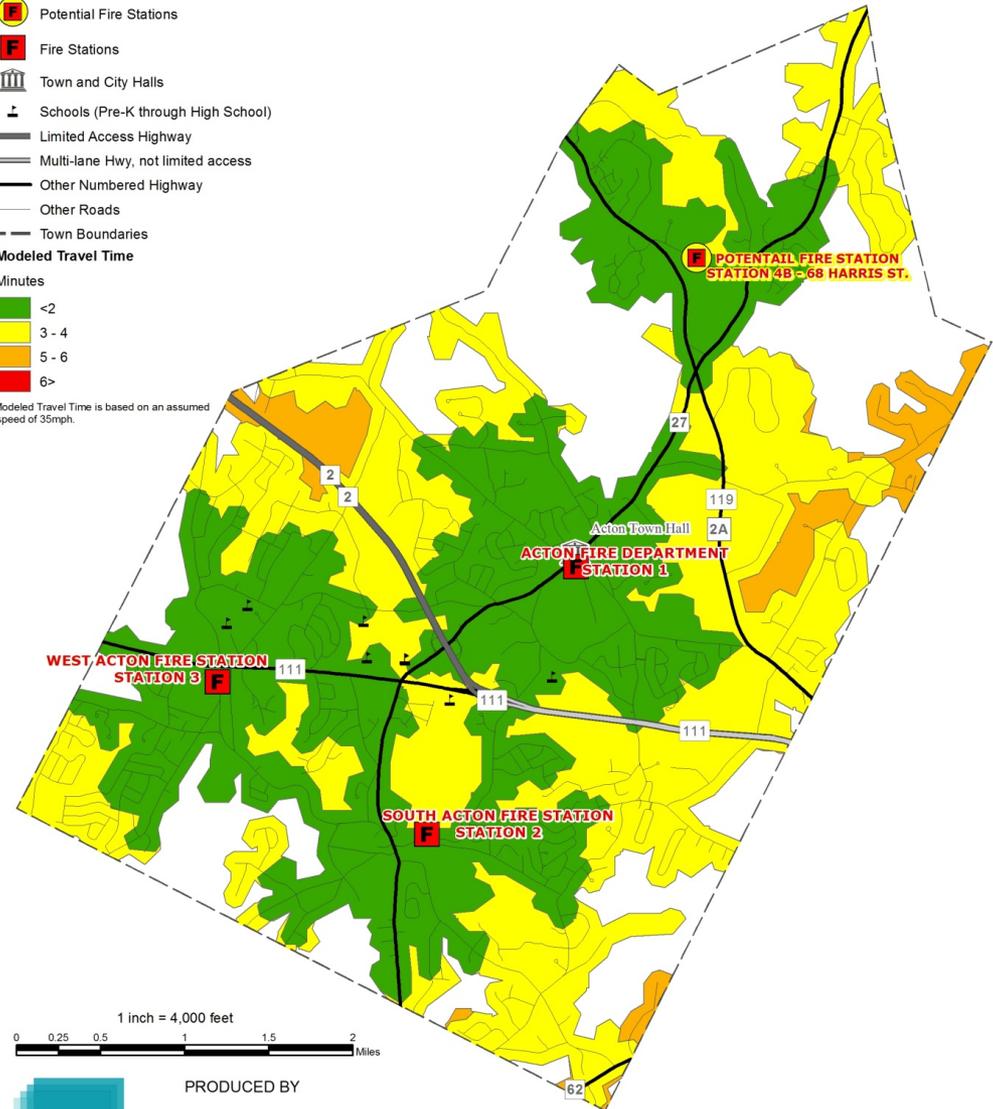
- Potential Fire Stations
- Fire Stations
- Town and City Halls
- Schools (Pre-K through High School)
- Limited Access Highway
- Multi-lane Hwy, not limited access
- Other Numbered Highway
- Other Roads
- Town Boundaries

Modeled Travel Time

Minutes

- <2
- 3 - 4
- 5 - 6
- 6 >

Modeled Travel Time is based on an assumed speed of 35mph.

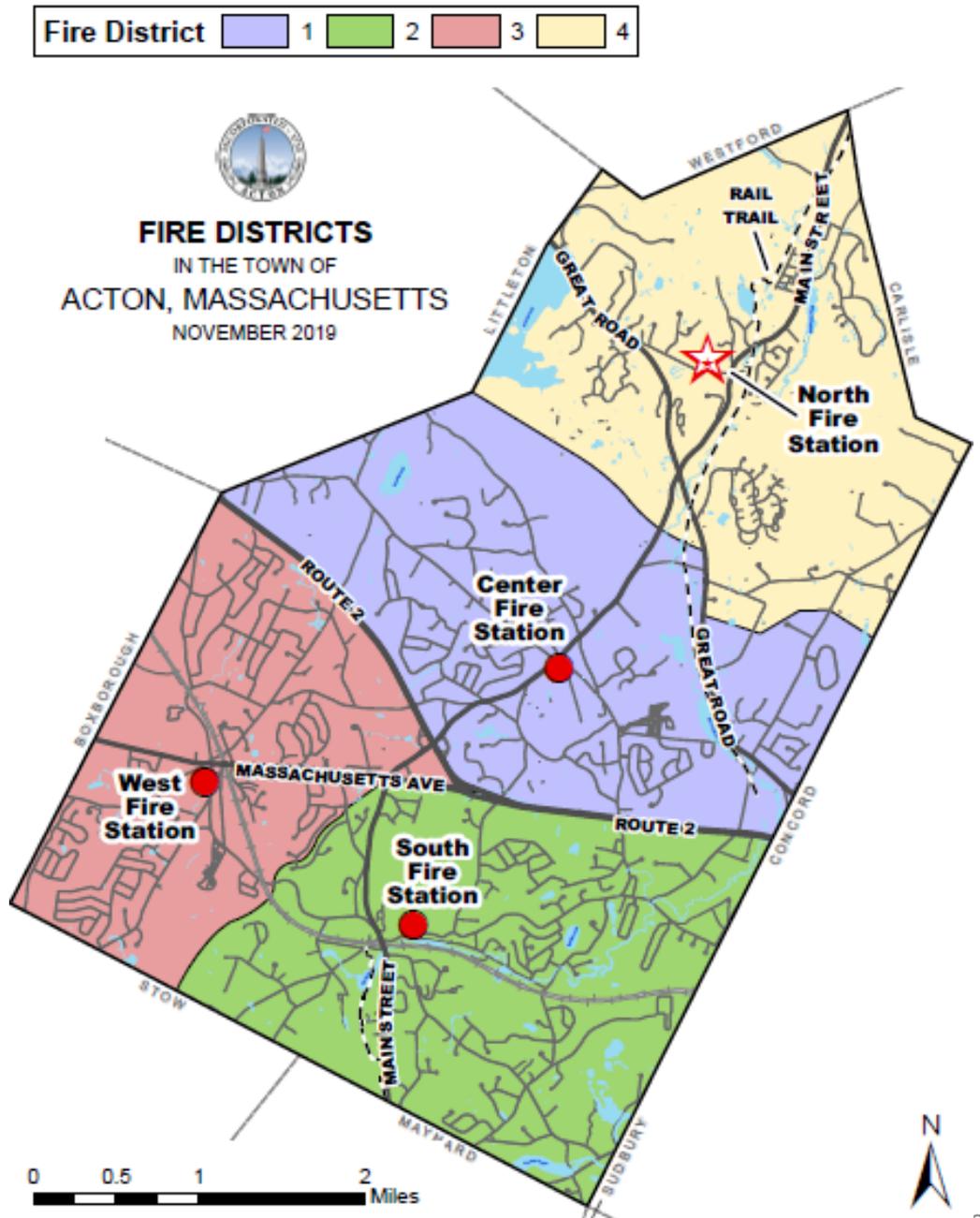


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North Acton Fire Station Four District Map



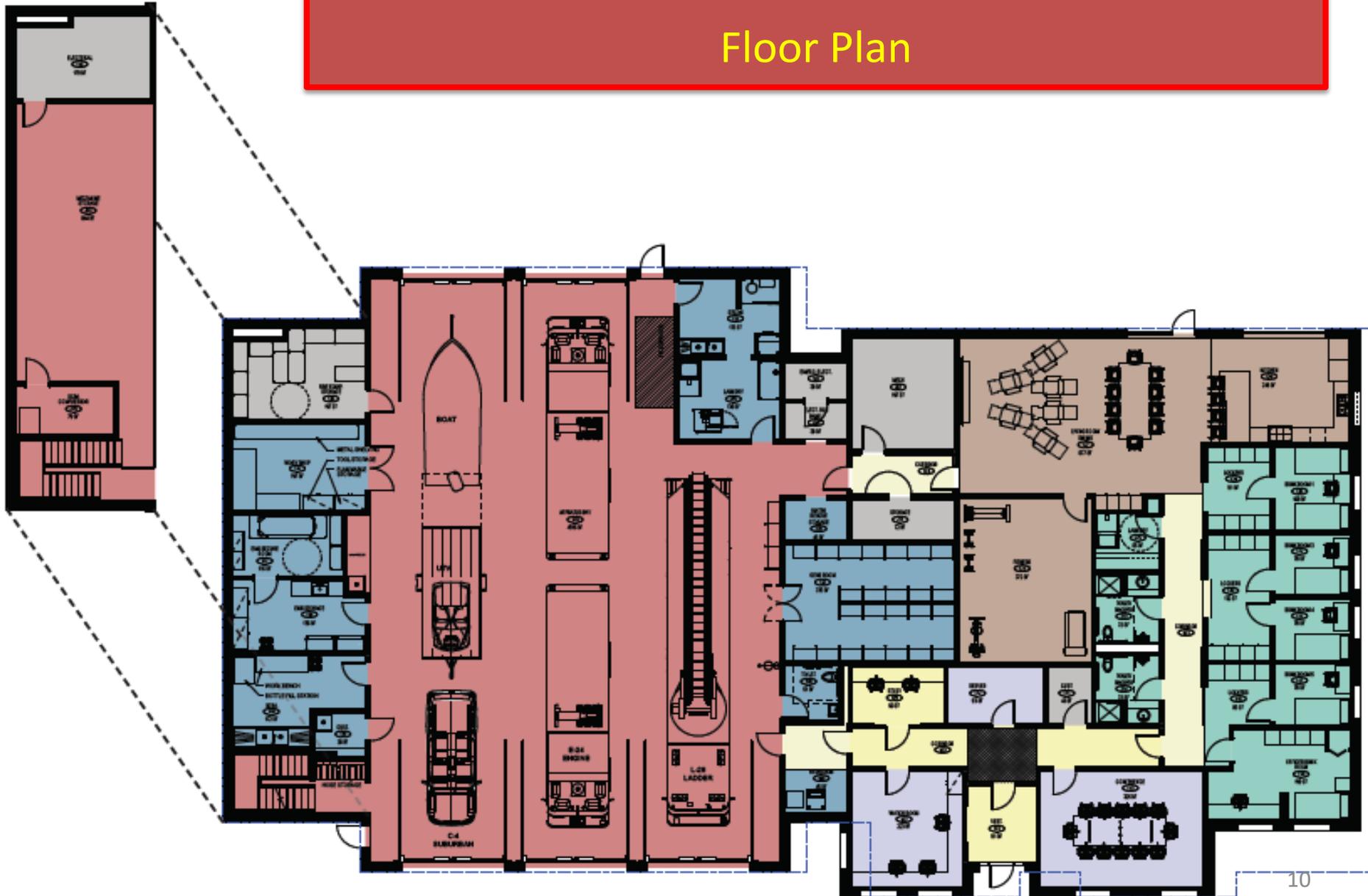
North Acton Fire Station

Conceptual Rendering



North Acton Fire Station

Floor Plan



North Acton Fire Station

Energy and Economic Sustainability Features

- All electric - not connected to natural gas
- Ground-sourced geothermal wells included in schematic design
- Roof is being constructed “solar-ready”
- Natural lighting in apparatus bays
- Motion activated LED lighting

North Acton Fire Station

Harris Street – Traffic Study

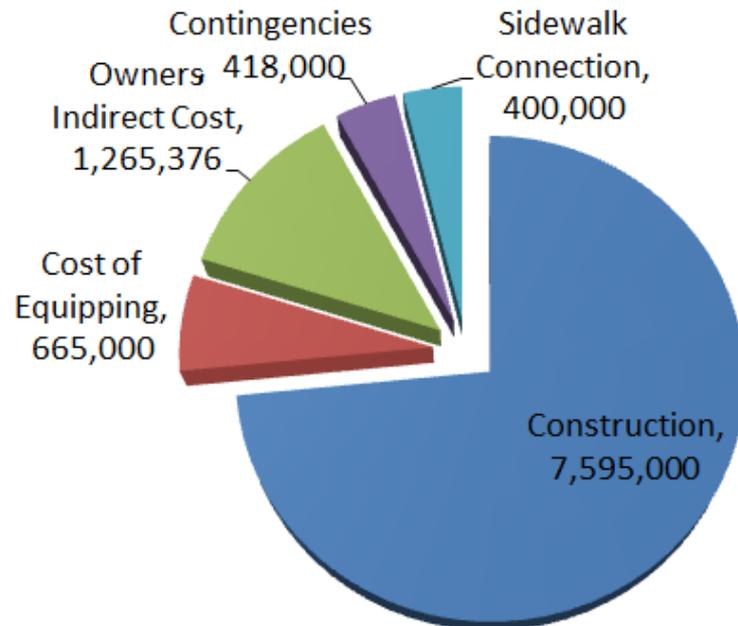
- Project is expected to generate minimal new traffic
- Sidewalk connection proposed
- The Emergency Vehicle traffic warning sign to be placed on Harris Street in both directions in advance of the site.
- Also looking at other traffic calming measures such as flashing feedback sign



North Acton Fire Station

Total Project Cost Estimate

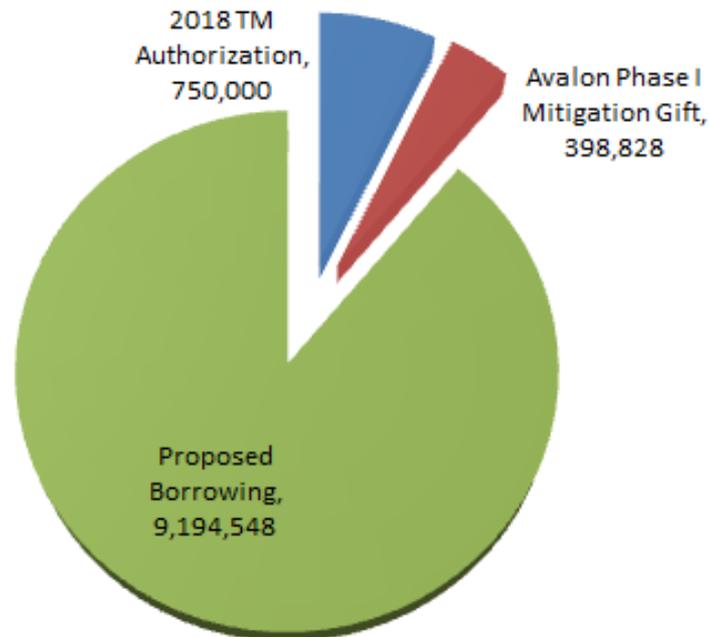
Construction cost estimate	\$7,595,000
Indirect Costs (Design, Engineering, Equipment, Furnishing)	\$1,930,376
Contingencies	\$818,000
Total Estimated Project Cost	\$10,343,376



North Acton Fire Station

Funding

2018 Annual Town Meeting Appropriation	\$750,000
Existing Avalon Mitigation Gift	\$398,828
Proposed Funding Request at 2019 Special Town Meeting	\$9,194,548
	\$10,343,376



North Acton Fire Station

Impact on Average Single
Family Residential Tax Bill

\$62 - \$67

Annually for 30 years

North Acton Fire Station

Conceptual Rendering



BACKUP SLIDES

North Acton Fire Station

68 Harris Street Site



- Optimal location based on response time analysis and fire station needs assessment study 2016
- Layout designed to minimize impact on site and neighborhood
- Includes sidewalk connection
- Improvement to an abandoned property

North Acton Fire Station

Planned Fire Department Deployment



Station 1

Equipment
 Engine 21
 Rescue 34
 Car 30 (Captain)
 EMS Coordinator

Staffing
 1 Captain
 2 Firefighter / Paramedics
 EMS/ALS Coordinator



Station 2

Equipment
 Engine 22
 Rescue 33
 Fire Alarm Vehicle
 SAFE / Education Trailer

Staffing
 2 Firefighter / EMTs



Station 3

Equipment
 Engine 23
 Engine 27
 Brush 25
 Rescue Boat 2
 Car 3

Staffing
 2 Firefighter / EMTs



Station 4

Equipment
 Ladder 28
 Engine 26
 Boat 1
 Car 4
 Hazmat trailer
 Utility Task Vehicle

Staffing
 1 Lieutenant
 1 Firefighter / EMT