



SOUTHFIELD



# WEYMOUTH FIRE

- Impact of Southfield to the WFD
- Current coverage
- Staffing
- Response times
- Legislation impact
- Needs
- Summary



# SOUTHFIELD IMPACT

- Responses to Southfield shift FD resources and leaves the rest of Weymouth vulnerable.
- WFD staff resources are being diverted.
  - Chief
  - Fire Prevention
  - Training
  - Inspections

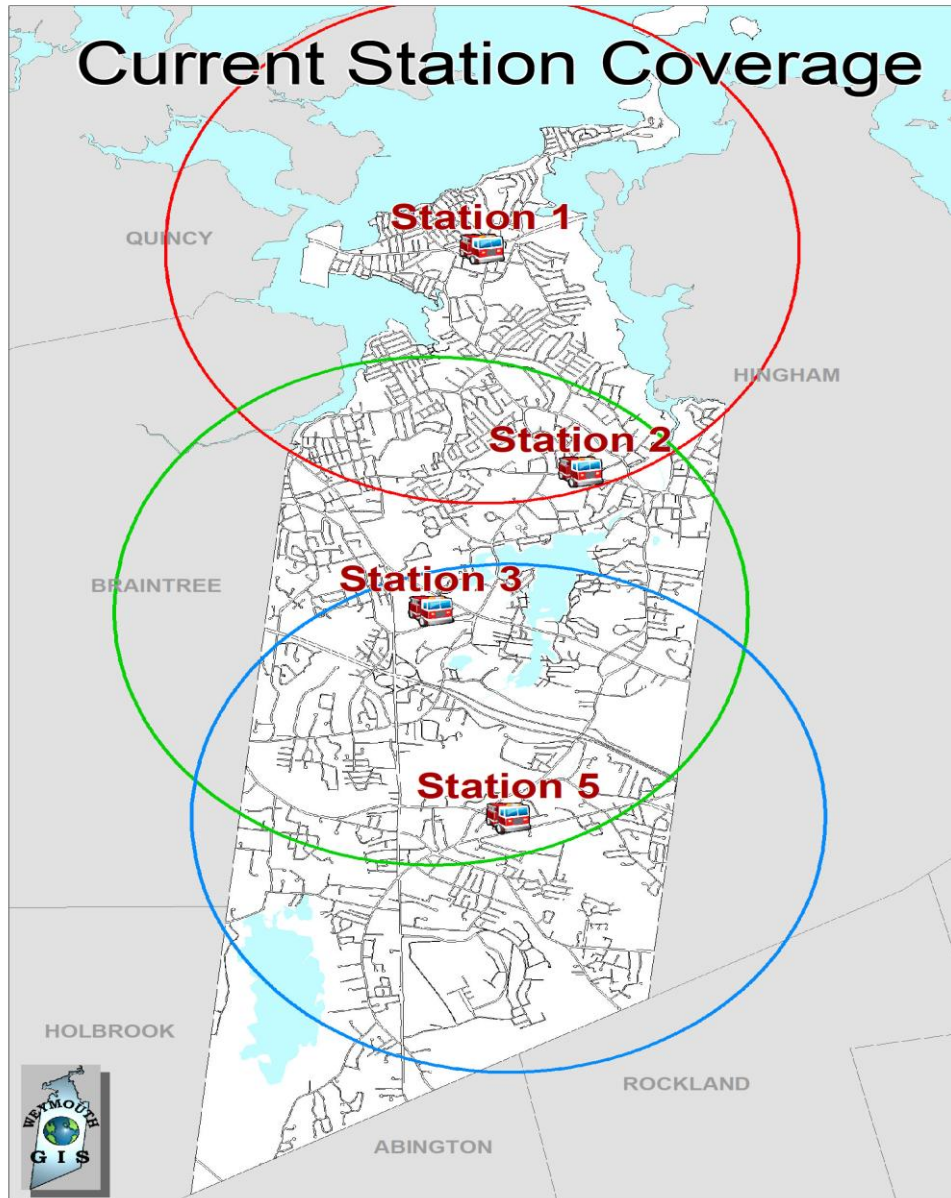
# SOUTHFIELD IMPACT

- Southfield is not a conventional development
  - Narrow streets and alleyways
  - Minimal setback
    - (3' lot line/ 6' to neighboring home)
  - High density population
  - City like design
- Responses to Southfield have increased over 300% from 2009-2013

# CURRENT FIRE COVERAGE

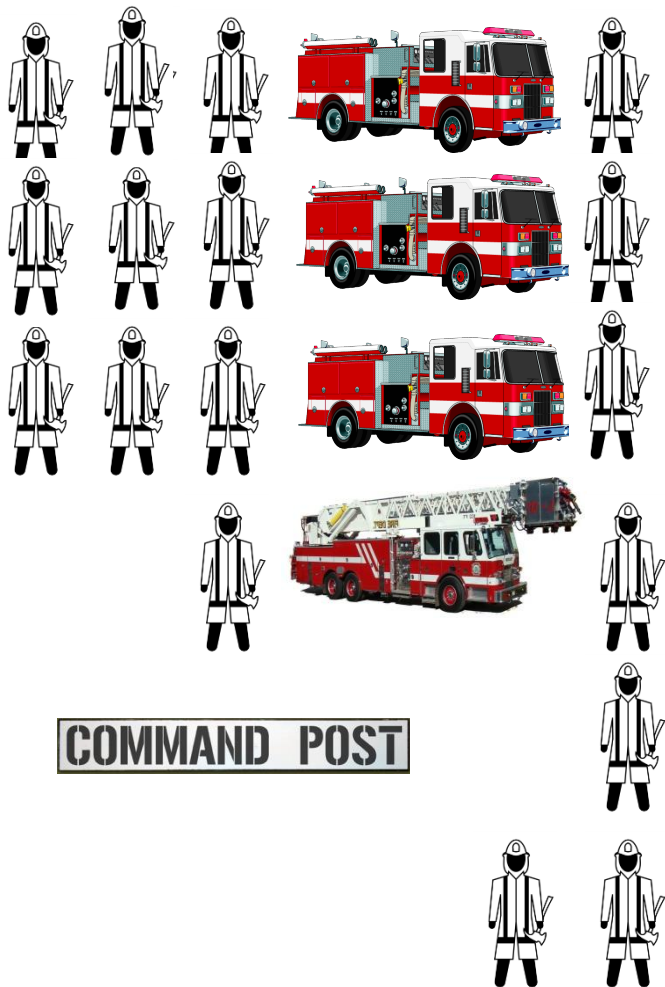
- Station 1- 195 North Street
- Station 2- 636 Broad Street (closed 2008)
- Station 3- 138 Winter Street
- Station 5- 246 Park Avenue
- 3 engines / 1 ladder/ 17 minimum per shift
- 88 members in the fire suppression force
- 6,500+ emergency responses a year

# Current Station Coverage





# WFD 3 Engines / 1 Ladder (17 FF's)



- E1 – 1 Officer and 3 FF's
- E3 – 1 Officer and 3 FF's
- E5 – 1 Officer and 3 FF's
- L2 – 1 Officer and 1 FF
- Deputy Chief
- Dispatch

# WFD 3 Engines / 1 Ladder (15 FF)

## Engine Co. Duties

- Est. Primary and Secondary Water Supplies
- Advance various hose lines
- Supply auxiliary appliances
- Locate, Confine, & Extinguish the Fire
- Protect Life Hazards
- Protect exposures
- Put the fire out!



## Ladder Co. Duties

- Position ground/aerial Ladders
- Force Entry
- Primary & Secondary Searches
- Rescue
- Ventilation (Horizontal, Vertical)
- Utility control
- Salvage & Overhaul



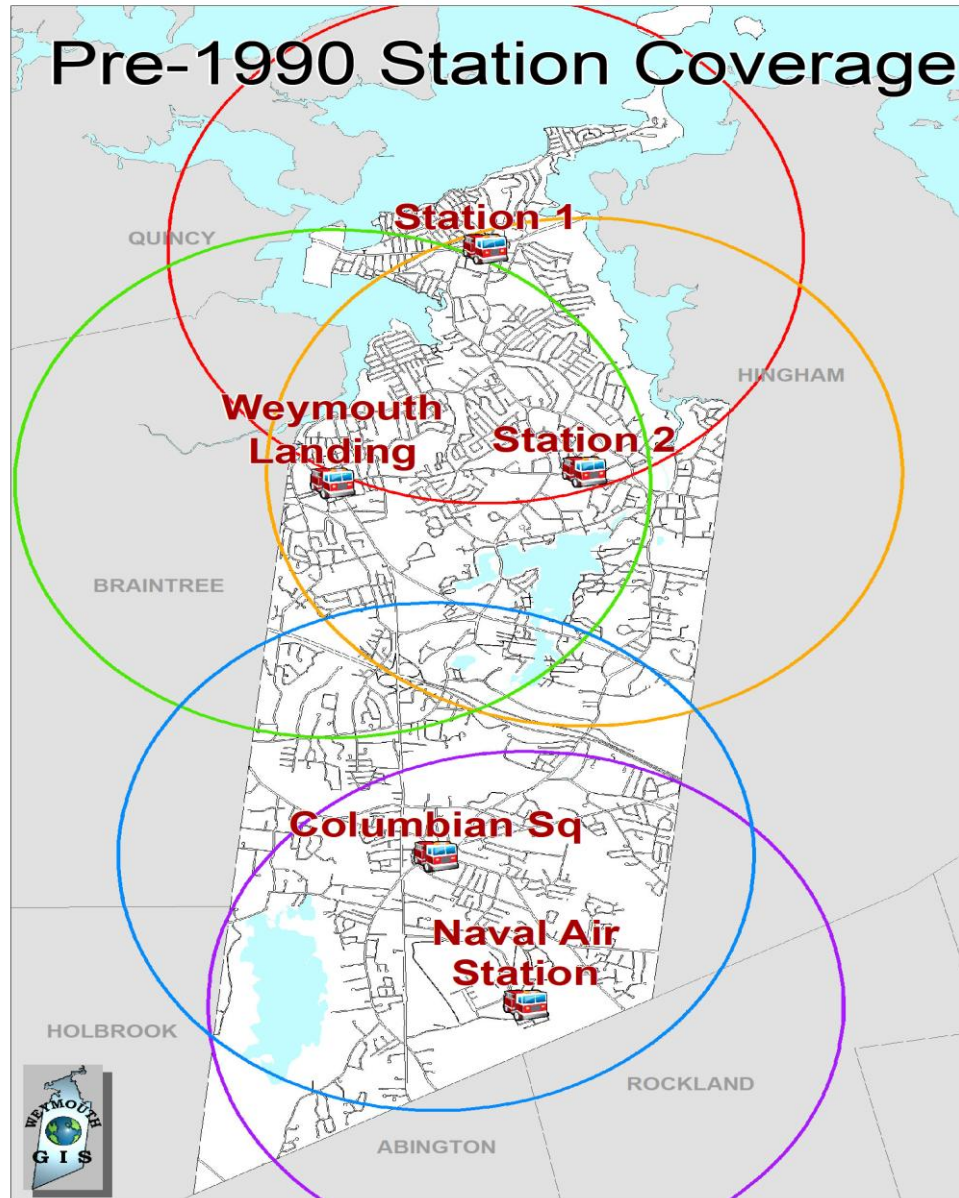
**Coordination**



# PRE 1990

- Weymouth operating 4 stations with 5 engines, 2 ladders, and a squad.
  - 132 member department
- NAS South Weymouth (Southfield) was protected by a separate Federal Fire Department.
  - 48 member department.

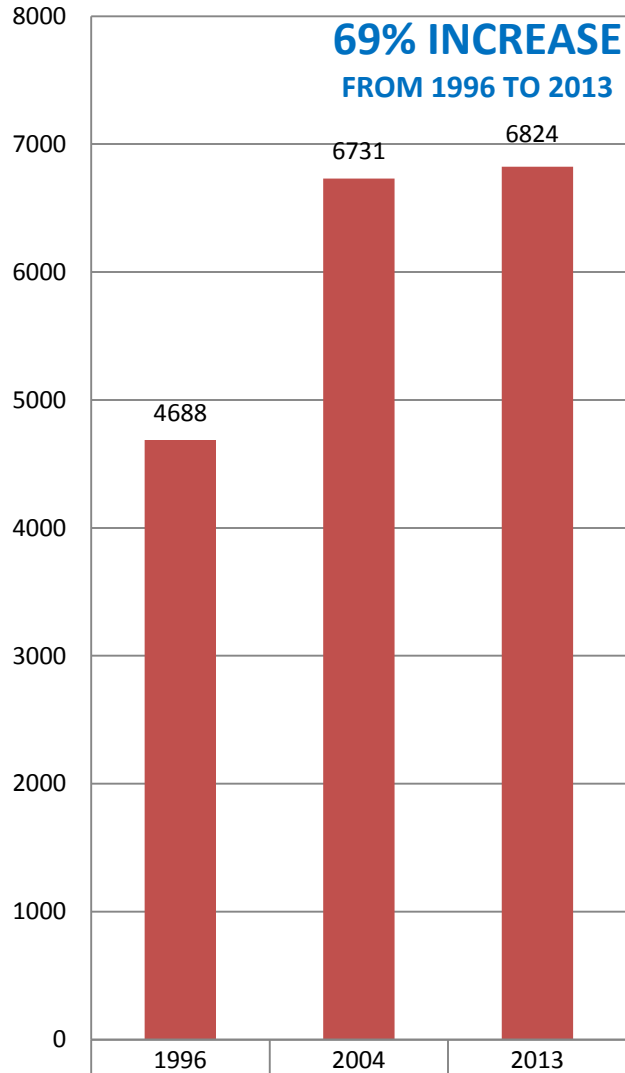
# Pre-1990 Station Coverage



# WFD STAFFING

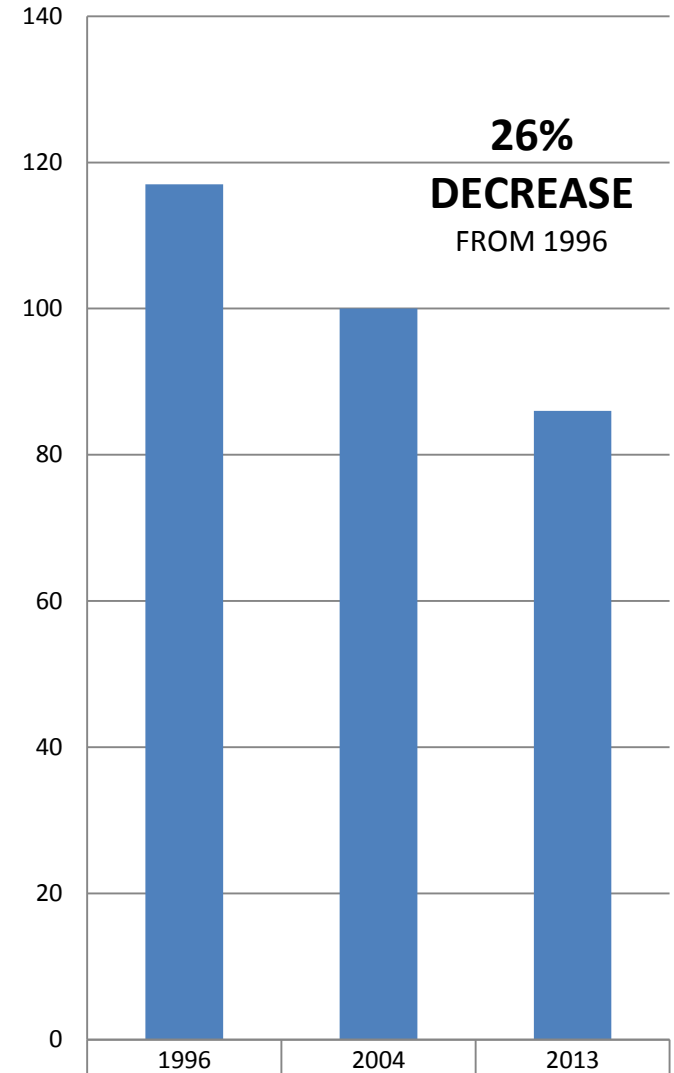
- In 1996 there were **117** uniformed members
  - *4,688 emergency service calls*
  - *338 Fire/Explosion*
- In 2004 there were **100** uniformed members
  - *6,731 emergency services calls*
  - *420 Fire/Explosion*
- In 2013 there were **86** uniformed members
  - *6,824 emergency services calls*
  - *308 Fire/Explosion*

## EMERGENCY SERVICE CALLS



■ EMERGENCY SERVICE CALLS

## UNIFORMED MEMBERS



■ UNIFORMED MEMBERS

Every year we are being asked  
to do more with less.

# RESPONSE TIMES

- A critical factor in the effectiveness of any emergency response agency is the ability to get personnel and equipment to the scene of the emergency in a timely manner.



# RESPONSE TIMES

- The most widely recognized standard used in response time analysis is **NFPA 1710**.



# RESPONSE TIMES

- **NFPA 1710:**

The fire department's fire suppression resources shall be deployed to provide for the arrival of an engine company within a 4 minute travel time to 90% of the incidents.





# IMPORTANCE OF RESPONSE TIMES

- Response times do affect the number of lives saved and reduce property loss.

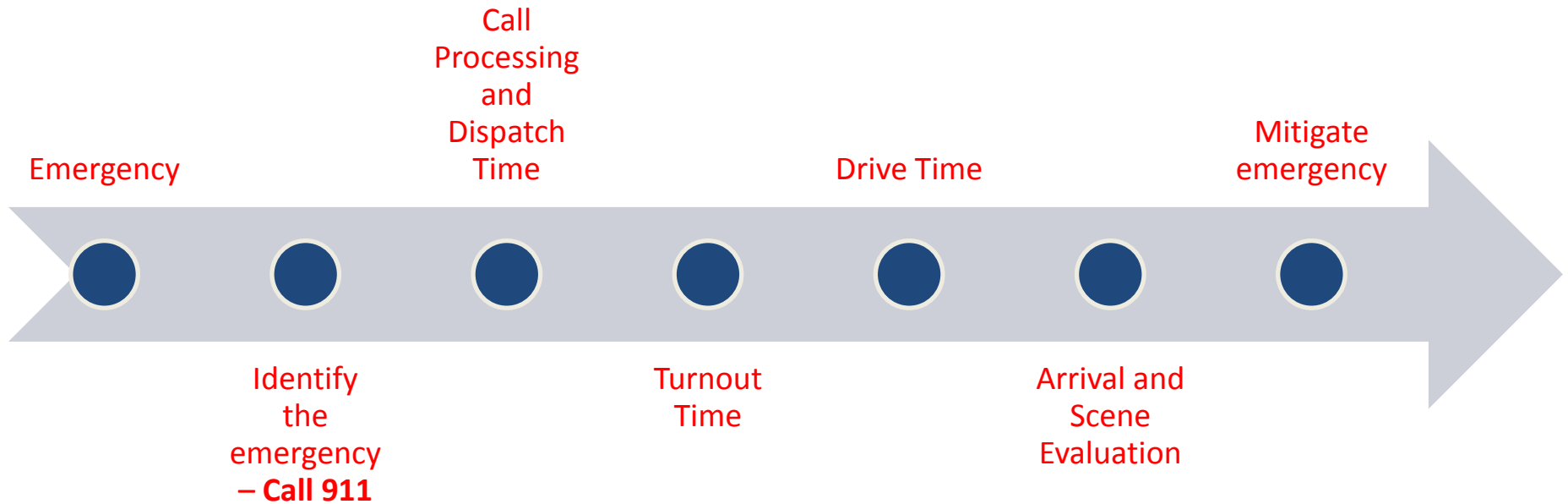


# IMPORTANCE OF RESPONSE TIMES

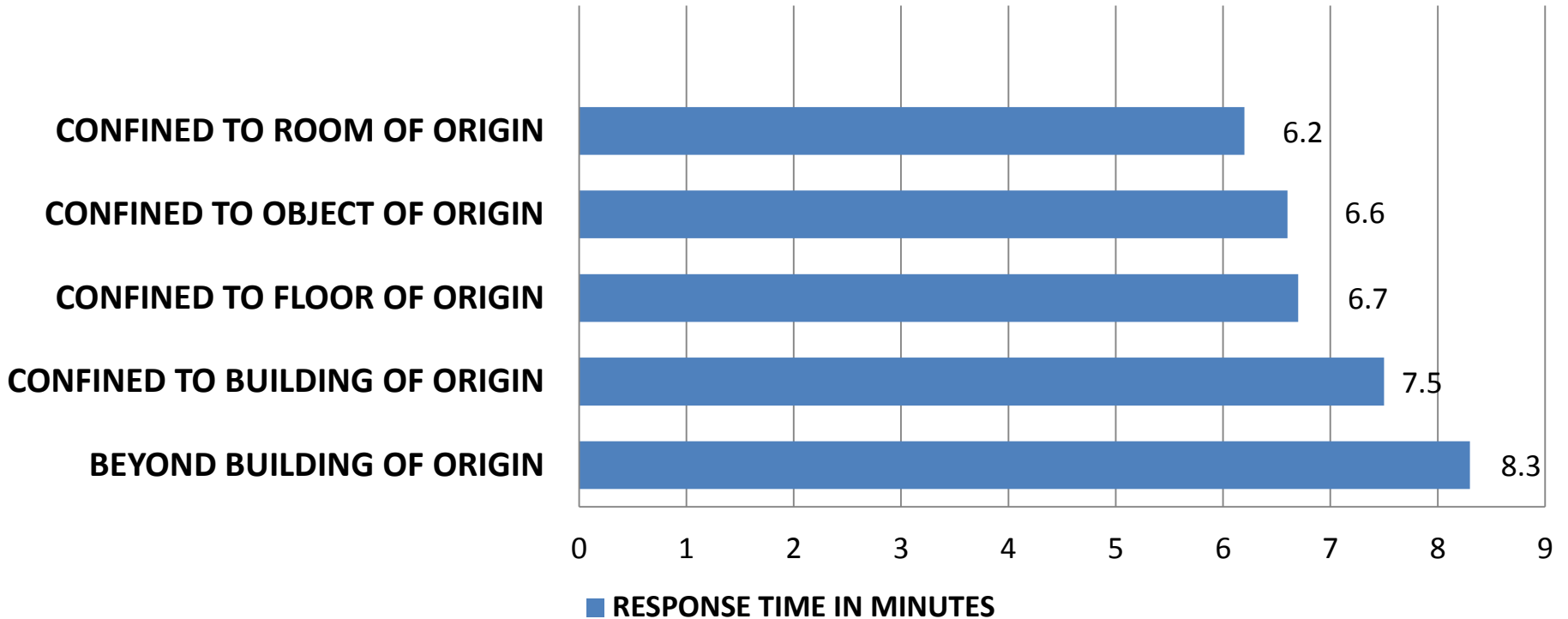
- More people can be helped or the incident can be mitigated when emergency personnel arrive with in a timely manner.



# RESPONSE TIMELINE

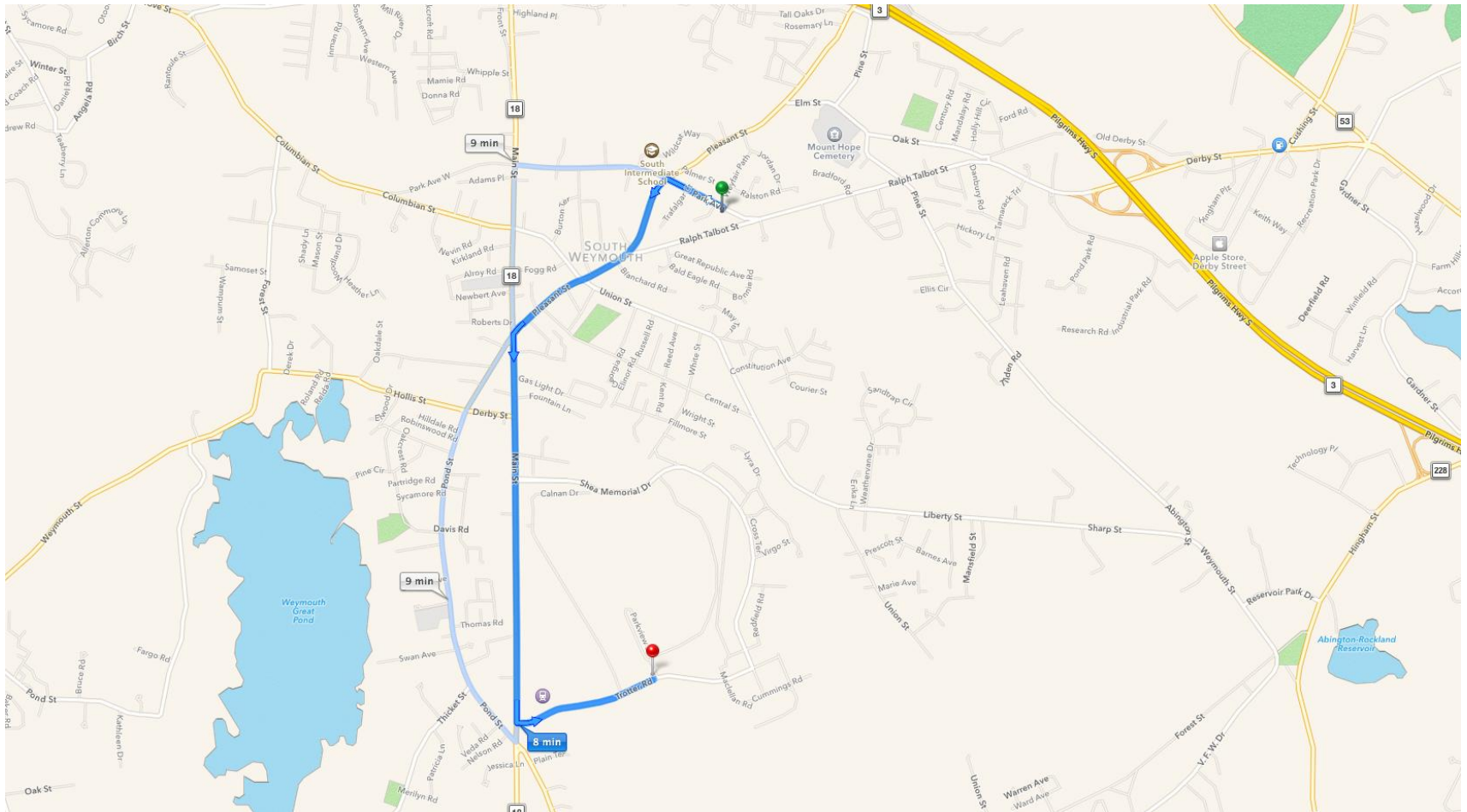


# RESPONSE TIME IN MINUTES



# Station 5 to 200 Trotter Road

- 2.7 MILES = 8MINUTES





# Putting the Fire Out



- E1 – First line to the fire
- E2 – Establish water supply, back up first line
- E3 – RIT
- L1 – Search/Vent open roof, utility control, etc.
- C2 – Incident Commander



COMMAND POST

# WEYMOUTH

- 23,480 residential units
- Population 53,743 (2010 CENSUS)
- 17.5 square miles

# SOUTHFIELD

- 2855 residential units
- Estimated population 5,000-6,000
- 2.3 square miles

# ENG 5

- South Shore Hospital
- Coast Guard Station
- Commuter Rail Station
- 20 Camelot Way 55 +
- Routes 3, 18, 53, and 58
- Weymouth High School
- Two elementary schools
- Whitakers Nursing Home
- Water Treatment Plant
- Tall Oaks, Elms, Wisteria Point complexes
- Mutual aide to 5 communities

•**Southfield**



# LEGISLATION IMPACT

- In the fall of 2012, Tri-Town hired fire protection consultant, former Boston Chief Kevin MacCurtain, to study and make recommendations on future fire protection at Southfield.
- This report recommended:
  - Immediate hiring of a fire inspector.
  - Purchase and staffing of a new engine FY 13.
  - Design and building of a new fire station FY 15.

**This has not happened to date!**

**Will it happen if legislation passes?**

# LEGISLATION IMPACT

- Immediate increase in plan reviews for Fire Prevention.
- Town of Weymouth will be responsible for the fire protection of Southfield.
- How will we deal with existing vacant properties?

# NEEDS

- To improve response times with the safety of Weymouth residents and firefighters in mind as well as the future residents of Southfield, the following are the WFD's needs:
  - Build a new fire station (4.5 million)
  - Purchase new fire engine (\$650,000.00)
  - Purchase new ladder (\$900,000.00)
  - Purchase new forest truck (\$60,000.00)
  - Hire 33 new personnel (3.3 million annually)

# NEEDS FY 15

Looking at Southfield as a newly developed community the minimum starting point for fire protection is the following:

- Station
  - \$2- \$4.5 million
  - \$50,000 annually for utilities and maintenance upkeep
- 1 Engine
  - \$650,000.00
- Personnel to man the engine
  - 23 firefighters at \$2.1 million annually

# NEEDS FY18

With anticipated growth and commercial development the following may be required:

- Ladder truck
  - \$1 million
- Personnel to man the ladder
  - 10 firefighters at \$1 million annually
- Forest truck
  - \$60,000.00

# SUMMARY

- When responses take more than a few minutes, losses escalate substantially, resulting in a greater loss of life and property.
- The only solution to achieve quicker response times is to locate an Engine closer to the Southfield property.

# SUMMARY

- WFD needs are consistent with minimum staffing levels per NFPA 1710.
  - 4 personnel per apparatus
  - Arrival time in 4 minutes
- The needs of the WFD do not change regardless of the status of the legislation.
  - People are living there currently and we are asked to protect them.



# QUESTIONS?

