



## MOVING PEOPLE OF ALL AGES AND ABILITIES

### Travel Characteristics

- 20% (638) of people working in Medfield live in Medfield.
- 25% (1,567) of workers living in Medfield work in Boston.
- 32% of households have three or more vehicles.
- 69% of residents drive alone to work.
- 11% of residents use public transportation to commute to work.
- 27% of Medfield residents have a commute of an hour or more each way to and from work.

### Operating Conditions

- There are approximately 158 miles of roadway in Medfield.
- Route 109 carries over 16,500 vehicles per day; Route 27 over 13,500.
- Heavy traffic congestion is experienced on Route 109 eastbound in the morning and westbound in the evening.
- A heavy volume of cement trucks utilizes Route 109, leading to longer traffic delays, an unpleasant pedestrian environment, and the need for a stronger pavement base.

### Safety

- The number of reported vehicle crashes has fluctuated between 2007 and 2017, with a low of 140 in 2014 and a high of 205 in 2016.
- The intersection of Route 27 and West Street was identified by MassDOT as both a Top 200 Intersection and Highway Safety Improvement Program cluster for the years of 2014 to 2016.
- The following intersections experienced high numbers of crashes between 2015 and 2017:
  - Main Street (Route 109) at North Meadows Road/ Spring Street (Route 27)
  - North Meadows Road (Route 27) at West Street
  - Main Street (Route 109) at Hartford Street
  - North Meadows Road (Route 27) at Dale Street
  - Main Street (Route 109) at North Street
- The 0.85-mile segment of Route 109 from Causeway Street to Pound Street experienced a total of 123 crashes from 2015 to 2017, an average of 41 crashes per year.

### Transit



*"Do Not Block Intersection" markings were recently installed on Route 109 in front of Town Hall in an effort to alleviate issues caused by queuing vehicles.*

### WHAT DOES IT MEAN?

- Heavy traffic congestion on Route 109 impacts commuters and residents throughout the day.
- There are opportunities to improve safety and connectivity for pedestrians, bicycles, and vehicles in the downtown.
- Parking availability is an issue in the downtown area, especially in close proximity to the Town Hall. There is potential to explore parking management strategies and additional parking locations.
- When the Medfield State Hospital land is redeveloped, it will become necessary to estimate the impacts of the increased traffic on the local roadway network and identify mitigation that can minimize its impact.

## Townwide Master Plan Inventory & Assessment of Existing Conditions

- While Medfield does not have direct commuter rail access, approximately 11% of residents use public transit to commute to and from work.
- The Medfield Council on Aging owns three vans that are available to transport residents Monday through Friday from 9:00 AM to 3:15 PM.

### Pedestrians and Bicycles

- High traffic volumes and large number of cement trucks utilizing Route 109 create an unpleasant walking experience.
- Pedestrians experience large delays when waiting to cross the street at signalized intersections in the downtown area.
- Residents have voiced a desire for better pedestrian and bicycle accommodations in town, as well as a revitalization of the downtown area to make it a desirable destination.
- There are currently no on-street bicycle accommodations in Medfield.

### Parking

- Residents perceive that there is a shortage of parking supply in the downtown area, especially near Town Hall.
- A parking study was completed for the downtown area in May 2018, which showed that parking is underutilized overall.
- There is an opportunity to enhance signage to direct motorists to public parking lots.



*Pedestrian and bicycle facilities on Main Street*



*Street furniture set alongside the sidewalk add to the pedestrian-friendly character of Main Street.*



*Concrete mixers and other heavy vehicles travel along Medfield's main streets throughout the day. The trucks create traffic delays and detract from the pedestrian experience.*