








# Bus/Bike Lane Concept: Western Avenue (Route 107)

## Overview of the Western Ave (Route 107) Corridor

	Eastern & Essex to Wonderland
	Lynn to Haymarket
	Lynn to Wonderland
	Peabody to Haymarket
	Salem to Haymarket
	Salem to Wonderland
	Salem to Wonderland

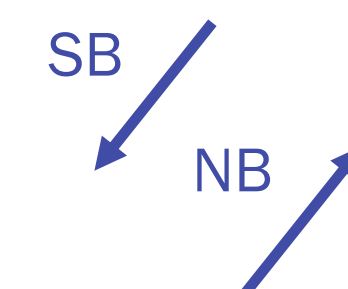
*Note: Variants on Route 436, 441, 442, and 456 also use Route 107, but with limited service. The majority of service on these routes use other corridors.*

This corridor sees up to 10 buses per hour in peak periods.	
Additional buses use this corridor when they are not in service to access the Lynn Bus Garage	

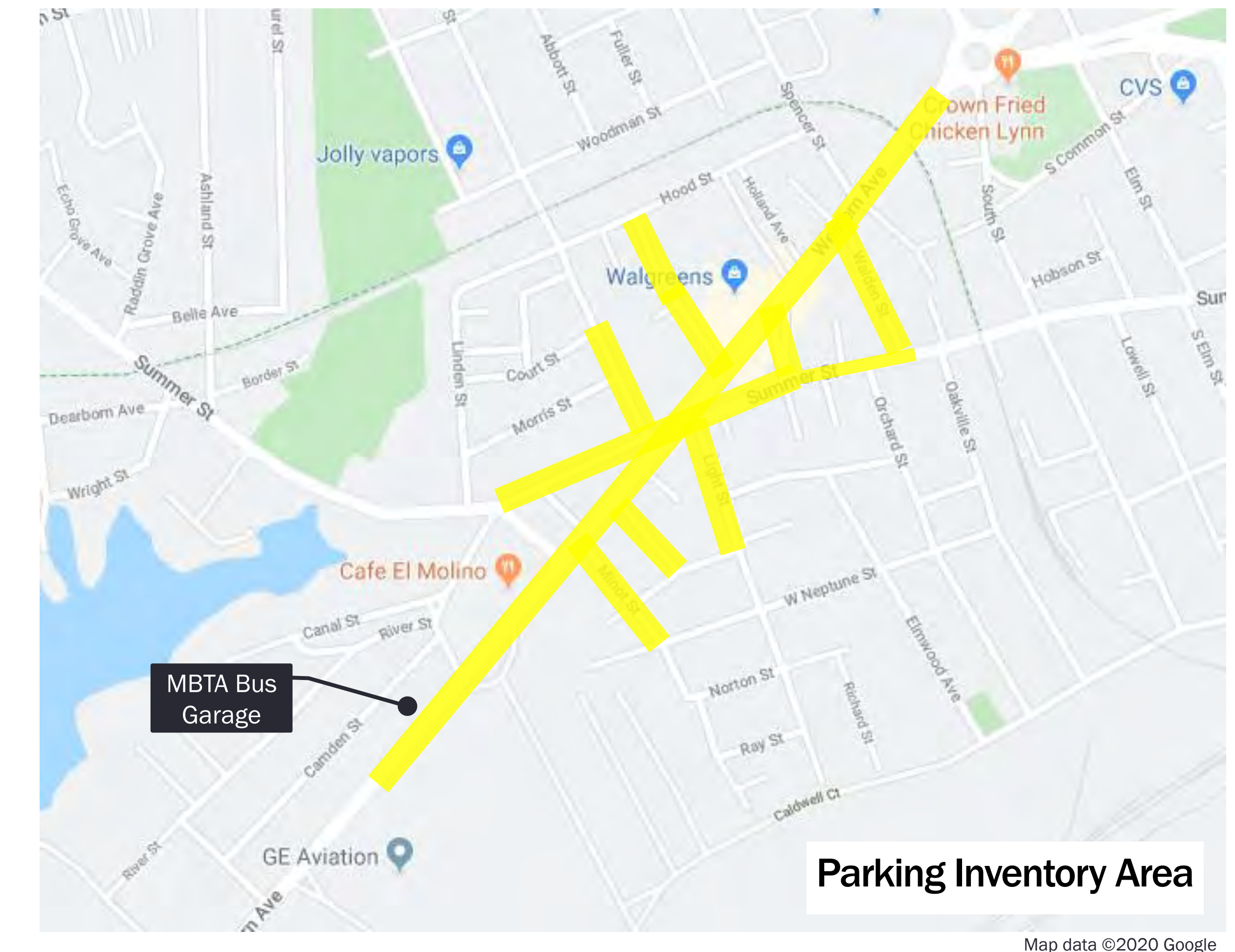
Scheduled Fall 2019 weekday **trips** using Route 107:

Southbound	104 trips	78 trips	182 trips
Northbound	109 trips	91 trips	200 trips

\*Non-revenue trips are estimated based on schedules.



## Adjacent On-Street Parking Available



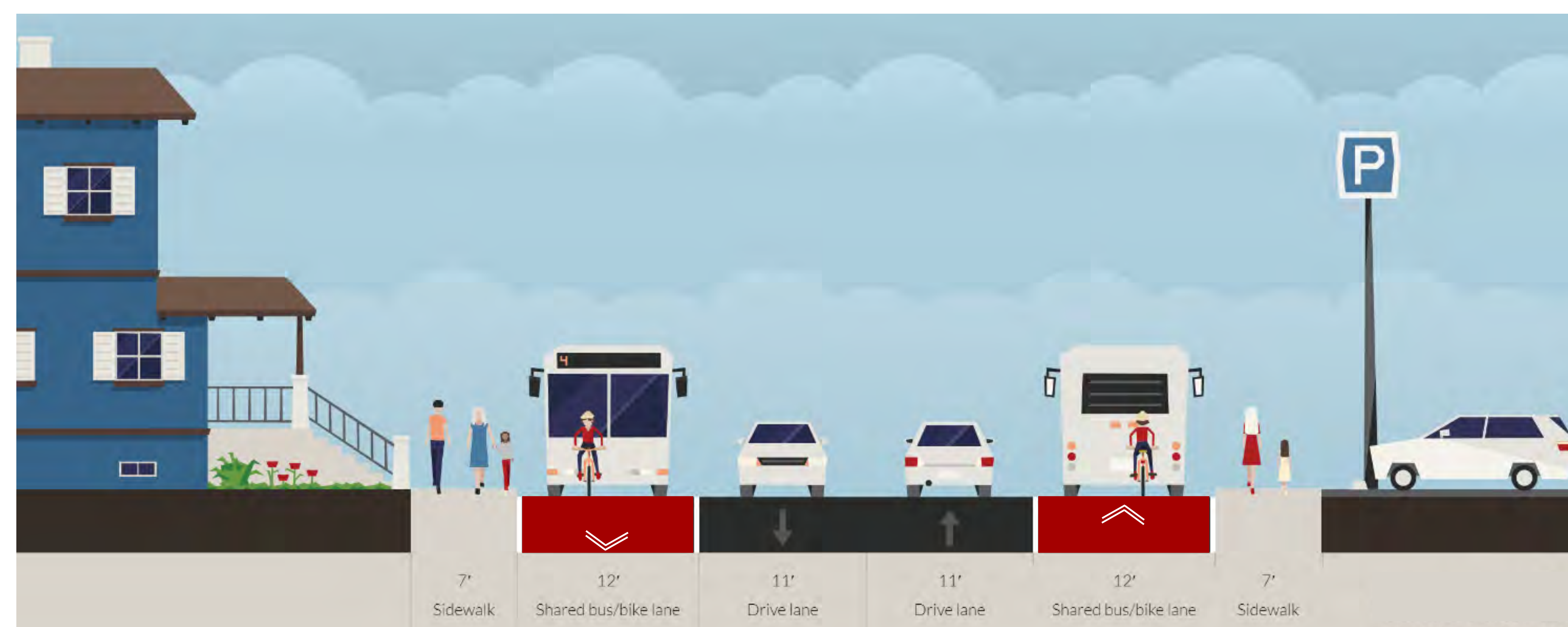
A Parking survey found:

- On average, **50 cars** were parked on Western Avenue out of **149 spaces** between the MBTA garage and Market Square
- On average, **110 spaces** were available on adjacent side streets
- Max occupancy on Western Ave was at 2:00 PM, when **61 spaces** were occupied. At that time, **130 spaces** were available on side streets.

## Bus Lanes Save Time and Improve Reliability

### Why a Bus Lane on Western Ave?

- All-day bus lanes along **1.1 miles** of Western Ave can **save over 11 minutes** of travel time in the peak periods, **improving bus speed and reliability**.
- Travel for **both bus and general traffic** is smoother when the bus does not need to reenter general traffic lanes after stopping at each bus stop
- Bus lane could enable buses to **skip much of the traffic** from the Common Street roundabout
- Bus lanes would also **accommodate bicyclists**
- Bus stops would be **upgraded to be ADA-compliant** and new amenities would be provided



Conceptual cross-section of proposed bus/bike lane between Saugus River and Market Square

### Western Ave (Route 107) From Saugus River to Common Street

Up to 9,200 bus passengers daily

Experience up to 11 minutes of delay

During peak period, up to 41% of roadway users are in a bus

