Central Broadway Signal Timing
Overview of Changes at Temple St, School St, and Main St

October 2019
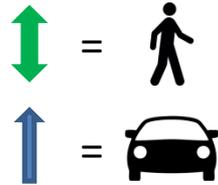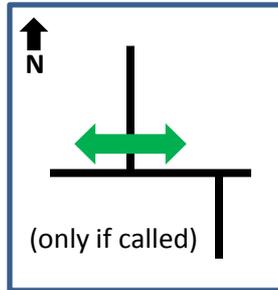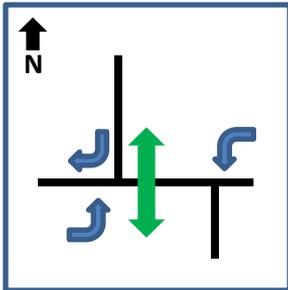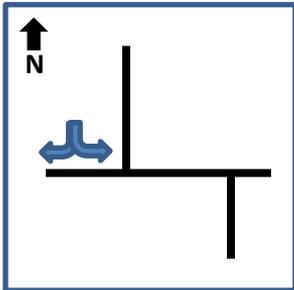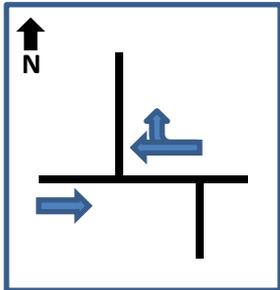
Summary of Changes

- Broadway will have a green light for longer in both directions and will be able to process more vehicles, particularly at the School St and Temple St intersections.

- The lights at School St and Temple St will be coordinated, meaning that they will turn green at the same time to allow for as much traffic to flow between those two intersections as possible

- Transit signal priority equipment will be installed at the School St and Temple St intersections, which is a system that recognizes when a bus is coming and will hold the green light for a few extra seconds to allow the bus to get through the intersection

- School St will be switching to concurrent phasing. This means that pedestrians will have a few seconds to start crossing the street, and then vehicles will get the green light. Any vehicles turning across the crosswalk must yield to pedestrians, and there are traffic signs up that reinforce that message. This is similar to the timing in Davis Square and Union Square, and allows the walk sign to come on more frequently, stay on for longer, and turn on without needing to press a button. More information on the different types of signal operation can be found at somervillema.gov/signaltiming
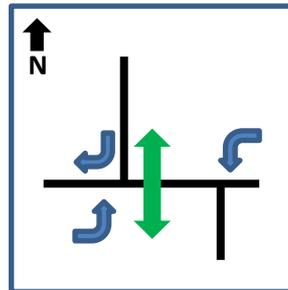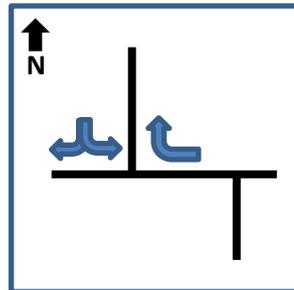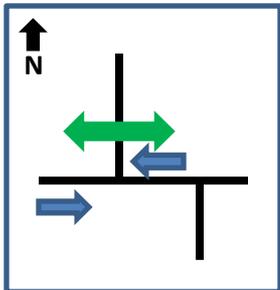
Broadway at Temple St

Broadway at School St

Broadway at Main St

Existing Signal Timing

All Hours	16 sec	43 sec	8 sec	25 sec	22 sec	114 sec total cycle length
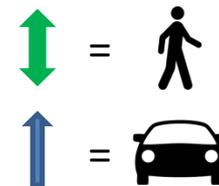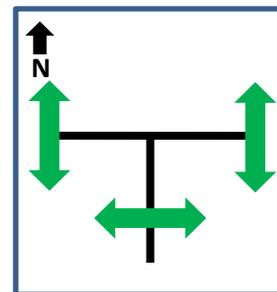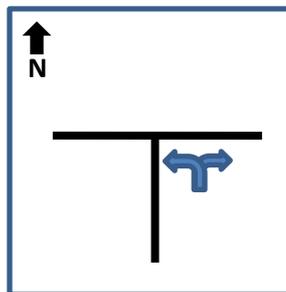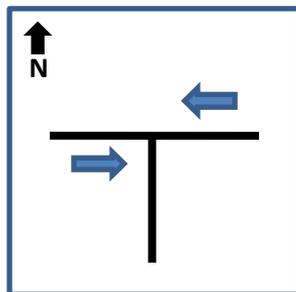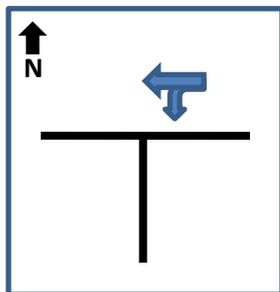
Proposed Signal Timing

AM	10 sec	41 sec	8 sec	17 sec	24 sec	100 sec total cycle length
PM	10 sec	43 sec	8 sec	15 sec	24 sec	100 sec total cycle length
Midday	10 sec	27 sec	8 sec	11 sec	24 sec	80 sec total cycle length