

1. Summary

a. data

- i. We counted 9524 cars over 9 hours of observations between 5:30 and 7:30 in three different intersections (Six Way on Park Ave, Park and Summer, Summer and Brattle)
- ii. We observed a total of 3360 cars on Park Ave
- iii. We observed a total of 3982 cars on Summer St
- iv. We observed a total of 577 cars on Brattle St
- v. We observed a total of 1605 cars on other streets
- vi. 277 pedestrians
- vii. 48 cyclists
- viii. We observed 1159 incidences of cars running a stop sign, red light, or not stopping at the stop line (that is about 12% of the cars we observed)
- ix. We observed 189 incidences of unsafe speed (that is about 2% of the cars we observed). When traffic was lighter, cars were more likely to be driving too fast
- x. We observed 120 incidences of cars blocking the intersections

b. Recommendations

- i. Add speed bumps/raised intersection
- ii. Add traffic cameras or a light
- iii. Police man/enforcement
- iv. Cross walks should be further away from stop lines so that the cars don't wind up in the crosswalk.
- v. Stop lines need to be repainted
- vi. Add blinking sign - speed meters that tell people how fast they are going
- vii. School zone signs on Summer near Pierce

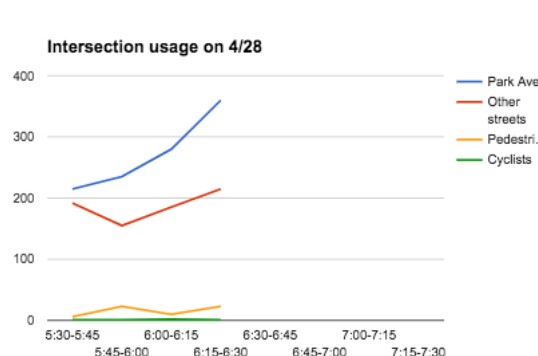
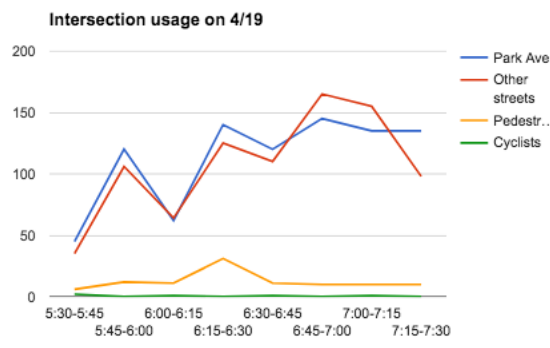
2. Six Way

a. Information

- Average park ave cars is 166 cars in 15 minutes (about 11 a minute)
- Average other streets 134 in 15 minutes (about 9 a minute)
- Average pedestrian 14 in 15 minutes (about 1 a minute!)
- Average cyclists 1 in 15 minutes
- Biggest issue is running stop signs maybe can't see the stop line (about 75 instances in 15 minutes, or about 5 times per minute)
- Second biggest intersection is blocking intersection (about 7 incidences in 15 minutes, or once every other minute.)

b. Ideas

- Add speed bumps
- Add cameras or a light
- Police man/enforcement
- Cross walks should be further away from stop lines so that the cars don't wind up in the crosswalk.
- Stop lines need to be repainted



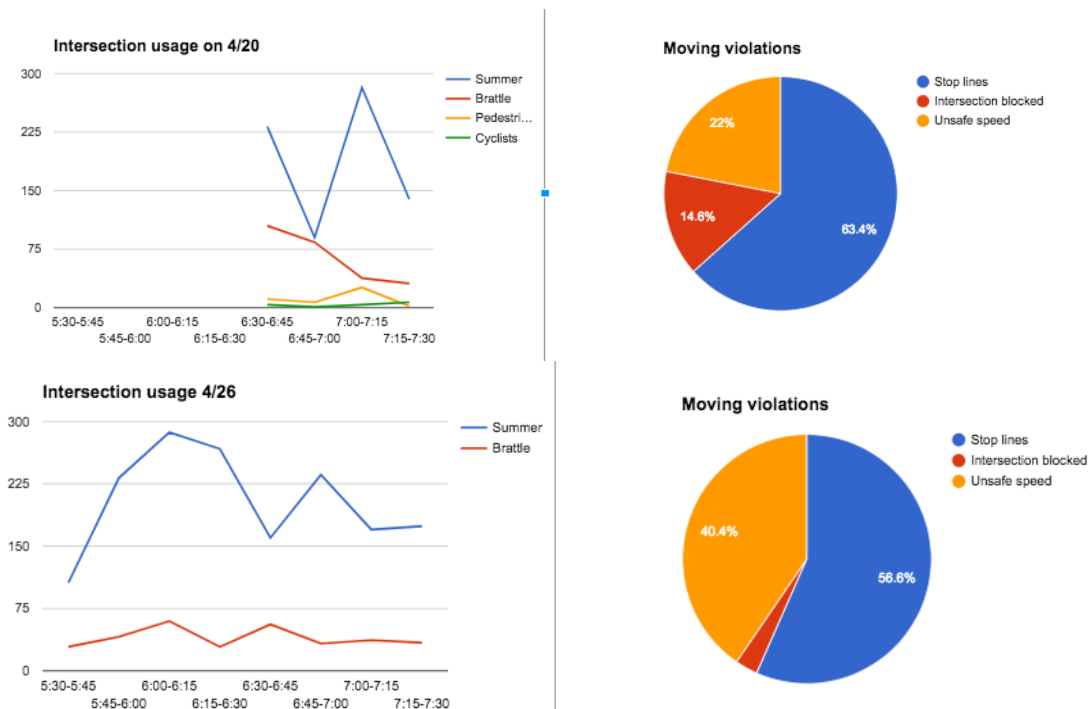
3. Summer and Brattle

a. Information

- i. Average Summer 200 cars in 15 minutes (13 cars per minute)
- ii. Average Brattle 48 cars in 15 minutes (3 cars per minute)
- iii. Average 6 pedestrians in 15 minute and 2 cyclists
- iv. Average 8 cars over the stop line in 15 minutes
- v. Average 5 cars unsafe speed in 15 minutes
- vi. Cars are not stopping on stop lines, and at stop light
- vii. Unsafe speed is second biggest problem
- viii. Summer has the most cars
- ix. Very few cyclists and pedestrians
- x. Unsafe speeds more common when the traffic was less heavy

b. Ideas

- i. Traffic camera
- ii. Special stop lights that can sense the cars – on demand stop lights
- iii. Police man/enforcement
- iv. Add blinking sign - speed meters that tell people how fast they are going
- v. Pedestrian in no gear
- vi. Stop lines need to be repainted



4. Summer and Park

a. Information

- Average number of cars on summer 134 in 15 minutes (about 9 per minute)
- Average number of cars on Park 114 in 15 minutes (about 7 per minute)
- 3 people per 15 min and 1 cyclists
- average number of unsafe speed in 15 min is 10 (One every minute and a half)
- Average number of cars over the stop line 12 in 15 min
- Unsafe speeds more common when the traffic was less heavy

b. Ideas

- Traffic cameras
- Add blinking sign - speed meters that tell people how fast they are going
- Stop lines should be painted bright color (maybe glowing)
- Speed bumps/raised intersection
- School zone
- Enforcement
- School zone signs on Summer

