

Ward 32 Transportation Committee

Evening Rush Hour Traffic Study
Eastbound on Queen St E at Woodbine Ave
2015-10-20 to 2015-10-23

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Ward 32 Transportation Committee

Traffic Study 2015 Eastbound on Queen St E at Woodbine Ave 2015-10-20 to 2015-10-23

Purpose:

Traffic through the Beach at rush hour has been the bane of many a Beacher's existence for years. The 4-6pm parking restrictions are meant to ease this pain, but over time traffic patterns have changed and 4-6pm is no longer accurate. This study was to determine when the peak traffic is and what the timing of parking restrictions should be.

Method:

Using a digital tally counter with time stamps, for 4 days in a row all traffic entering the Beach eastbound on Queen St E at Woodbine Ave was recorded from 3:40-6:40pm (except the first day). The counter allowed for several variables, so it was possible to count right turns, left turns, straight through, transit vehicles, and bicycles. The counter time stamps every tally, so it was possible to determine traffic counts down to the second.

Results:

The city's existing traffic studies at this intersection do not go past 6pm, the results are broken into large blocks, so all of rush hour is in one chunk that cannot determine where the exact peak is, and the peak has been calculated to be 4:45-5:45pm.

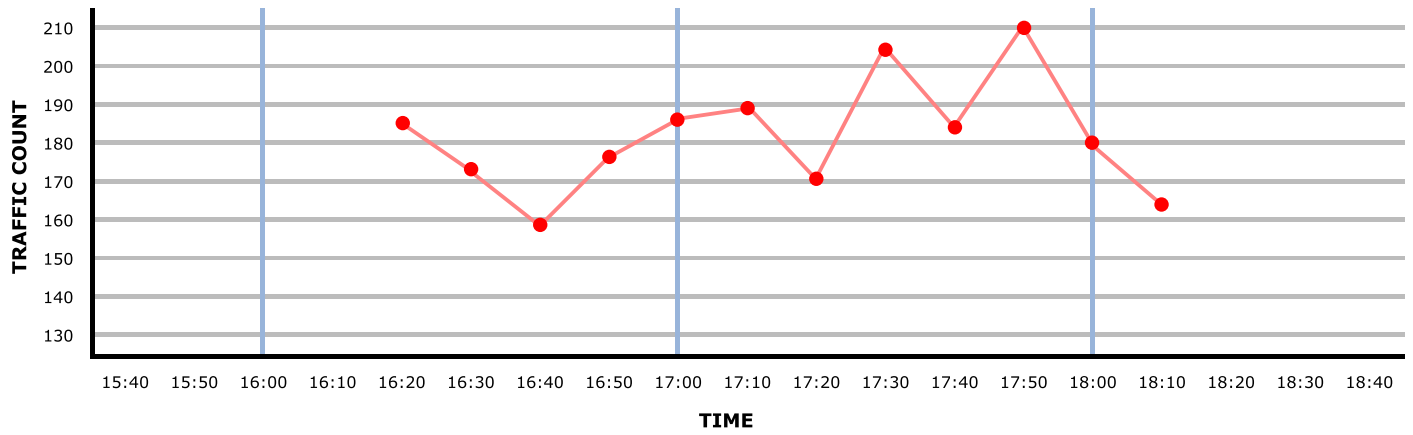
The graphs show that the peak is 5-6pm, with a major peak just before 6pm. Which means just as the peak has hit, the parking restriction ends. The graphs also show that traffic from 6-6:30pm is greater than from 4-4:30pm. At 4pm the eastbound lanes on Queen can be empty at times, the traffic at that time is still comparable to the rest of the day and so starting at 4pm is too early, even on Friday.

Conclusions:

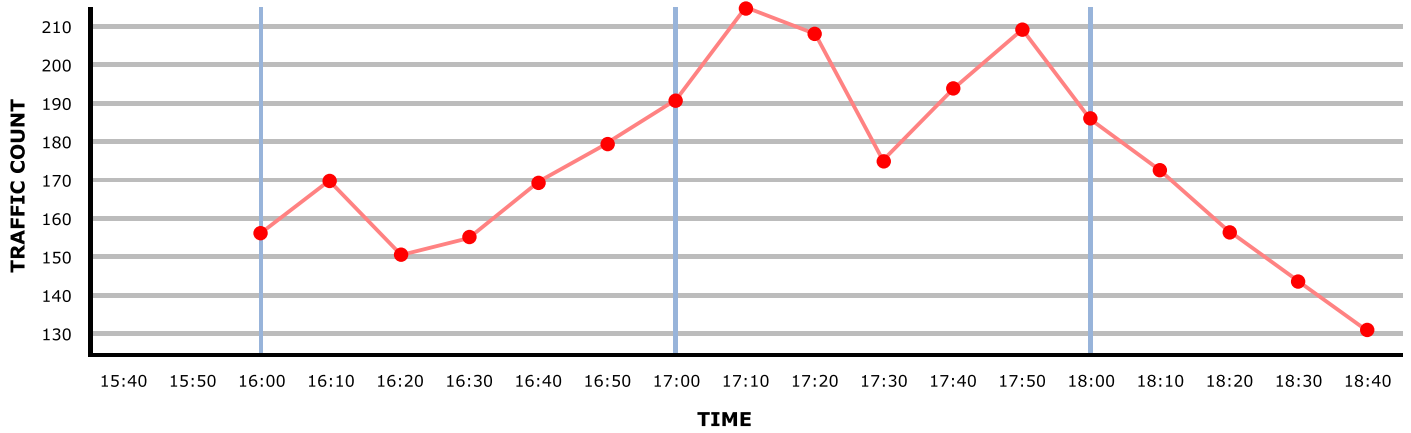
- the parking restrictions should be shifted a half hour later, from 4:30-6:30pm.
- future traffic studies at this intersection by the city should have the evening rush hour peak from 5-6pm
- future traffic studies need to go later than 6pm, as there is still substantial traffic after that time

All raw data is available upon request.

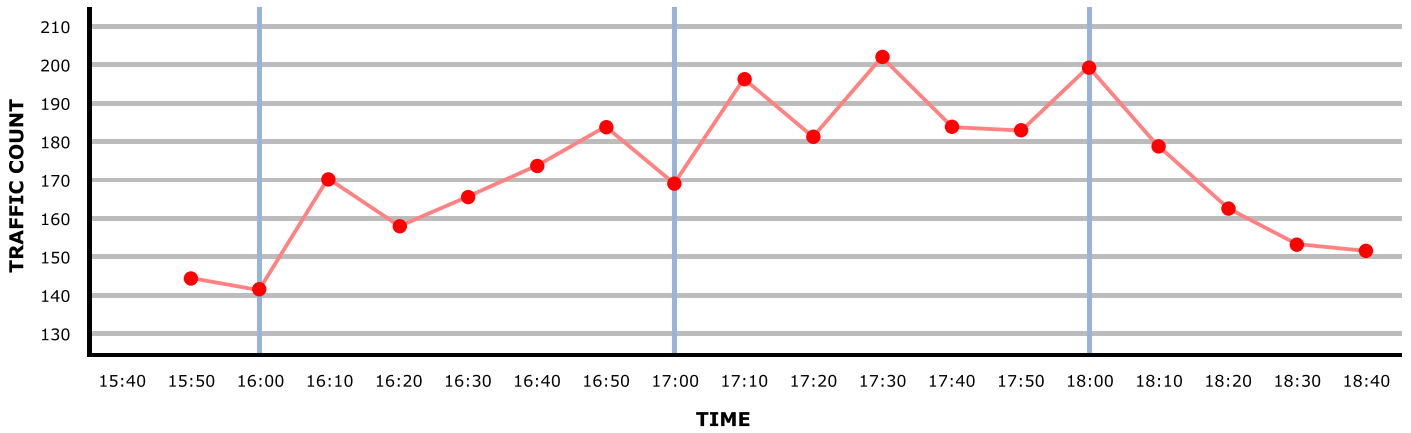
2015-10-20: Traffic count Queen and Woodbine, eastbound on Queen



2015-10-21: Traffic count Queen and Woodbine, eastbound on Queen



2015-10-22: Traffic count Queen and Woodbine, eastbound on Queen



2015-10-23: Traffic count Queen and Woodbine, eastbound on Queen

