

FIELD OBSERVATIONS & TALLY OF PEDESTRIAN COUNTS
ALONG CHARLES STREET FROM
31ST STREET TO UNIVERSITY PARKWAY

On Thursday November 14, 2002, seven (7) traffic/pedestrian counters from RK&K Engineers conducted a comprehensive pedestrian count along North Charles Street beginning at the 31st Street intersection and concluding with the southside crosswalk at University Parkway. Counters were stationed typically within either the eastside landscaped separator or along the east side walkway. Every pedestrian crossing Charles Street (both those headed west and those headed east) between 31st Street and University Parkway was counted for a total of 13-hours from 7:00 AM to 8:00 PM. A Thursday was selected because representatives of Johns Hopkins University reported that Thursday's are typically one of their heaviest days for students.

The weather during the 13-hour count was good; it was a beautiful fall day, clear skies with temperatures in the 40's and 50's.

The following summarizes the counter's general observations of pedestrian movements. The pedestrian volume counts for the highest and lowest hours, the total number of pedestrians counted over the 13-hours, and then the hourly average are also presented.

More than 14,000 pedestrians were observed crossing Charles Street between 31st Street and University Parkway during this 13-hour period on a typical weekday in November.

31st STREET @ CHARLES STREET

1. Restaurants on corner; crosswalks available, but most people jaywalked.
2. Pedestrians crossed everywhere, not just at cross walks.
3. Pedestrians were observed reading newspapers, paper work, and generally not paying attention.
4. Most pedestrians were young adults.
5. Traffic signal available, as well as hand push activated pedestrian signal.
6. Traffic backups occurred when signal turned red on Charles Street. When the signal was green, pedestrians could see there would be a long wait to cross, so they would either run across or walked in the grassy median until they could cross completely.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)

Max. per hour: 153 peds (noon to 1 PM)
Min. per hour: 34 peds (7 AM to 8 AM)
Total in 13-hours: 1,310 peds
Average per hour: 100 peds

.. **32nd STREET @ CHARLES STREET**

1. Walkway/crosswalk not clearly defined.
2. From both directions, pedestrians would walk over medians to cross because of traffic.
3. Most pedestrians waited until big breaks in traffic in order to cross.
4. No traffic backups.
5. Most pedestrians were young adults.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)

Max. per hour: 241 peds (noon to 1 PM)
Min. per hour: 40 peds (7 AM to 8 AM)
Total in 13-hours: 1,636 peds
Average per hour: 126 peds

.. **33rd STREET @ CHARLES STREET**

1. One walkway only on north side of Charles Street. Sign says "THIS IS NOT A CROSSWALK" on south side of Charles Street.
2. Most pedestrians were jaywalkers.
3. Most pedestrians were young adults.
4. When signal turned green for 33rd Street and traffic was turning right, pedestrians would still cross and almost get run over; they did not wait for pedestrian hand signal.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)

Max. per hour: 284 peds (noon to 1 PM)
Min. per hour: 49 peds (7 AM to 8 AM)
Total in 13-hours: 2,067 peds
Average per hour: 159 peds

34th STREET @ CHARLES STREET (2 Walkways Available)

1. High number of pedestrians crossing, using both designated walkways and jaywalking. Also, a high number of pedestrians in group.
2. Traffic heavy at most times, and often moving fast. Two (2) accidents were observed (fender benders).
3. Since there was heavy traffic for quite a long time, pedestrians often took high risks crossing streets. If they saw a long line of cars coming, they would dart out in front of the line of traffic coming so they would not have to wait.
4. Most pedestrians were young adults.
5. Some pedestrians were observed not paying attention – frequently talking on cell phones, reading, etc. While they seemed to be accustomed to traffic, they had their minds on other things – which gave way to more risk.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)
(for **south** side of 34th Street)

| | |
|--------------------|-------------------------|
| Max. per hour: | 505 peds (noon to 1 PM) |
| Min. per hour: | 45 peds (7 AM to 8 AM) |
| Total in 13-hours: | 4,440 peds |
| Average per hour: | 342 peds |

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)
(for **north** side of 34th Street)

| | |
|--------------------|-------------------------|
| Max. per hour: | 353 peds (2 PM to 3 PM) |
| Min. per hour: | 66 peds (7 AM to 8 AM) |
| Total in 13-hours: | 3,357 peds |
| Average per hour: | 258 peds |

MIDBLOCK ENTRANCE @ TENNIS COURTS

1. Rather low pedestrian volumes crossing Charles Street.
2. Pedestrian traffic picked up toward early evening, sometimes in groups.
3. A lot of jaywalking was observed.

4. Saw many van pools enter and leave JHU entrance driveway.
5. Also, not many people using bus stops.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)

| | |
|--------------------|-------------------------|
| Max. per hour: | 110 peds (4 PM to 5 PM) |
| Min. per hour: | 26 peds (7 AM to 8 AM) |
| Total in 13-hours: | 873 peds |
| Average per hour: | 67 peds |

UNIVERSITY PARKWAY @ CHARLES STREET

1. There was a WALK sign across Charles Street on the north leg (not counted). Most pedestrians seemed to use that walkway, although still not very heavy.
2. Bus stop located on University Parkway's west leg, and Charles Street's south leg.
3. Very little pedestrian traffic all day; but some joggers present all day.
4. A variety of young adults, middle age and elderly pedestrians were observed. Some elderly pedestrians carrying grocery bags during daylight hours.
5. Heavier pedestrian usage near end of counting session.

Summary of 13-hour Pedestrian Counts (7:00 AM to 8:00 PM)

| | |
|--------------------|------------------------|
| Max. per hour: | 46 peds (5 PM to 6 PM) |
| Min. per hour: | 14 peds (noon to 1 PM) |
| Total in 13-hours: | 348 peds |
| Average per hour: | 27 peds |

◆ GRAND TOTAL OF PEDESTRIANS COUNTED

13 hours on 6± Blocks; On Thursday November 14, 2002
(7:00 AM to 8:00 PM)

14,031 pedestrians in 13-hours

1,080 pedestrians / hour