



INNOVATIVE IDEAS  
EXCEPTIONAL DESIGN  
UNMATCHED CLIENT SERVICE

New Carlisle Crosswalk Study  
Tech Memo

## Appendix E – Observation Notes



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## New Carlisle Traffic Counts (10/8/13 – 11/19/13)

DLZ Job # 1321-1005-01

### Traffic Count Observations

- I. Intersection of Main St. (SR 235) & Lake Ave. (signalized) – 10/8/13
  - a. Observed three (3) total pedestrians crossing Main St. north of the intersection, not at a crosswalk.
  - b. Observed seven (7) total pedestrians crossing Main St. south of the intersection, not at a crosswalk.
  - c. Observed four (4) total pedestrians crossing Lake Ave. east of the intersection, not at a crosswalk.
  - d. Observed eleven (11) total pedestrians crossing Lake Ave. west of the intersection, not at a crosswalk.
- II. Intersection of Main St.(SR 235) & Jefferson St. (SR 571) (signalized) – 11/13/13
  - a. AM Count 7-9 AM
    - i. Pretimed signal; at times the east/west green phase would come on with no traffic, or would not gap out, causing southbound traffic to back up.
    - ii. Heavy southbound traffic volumes compared to the other movements.
    - iii. Southbound queues consistently more than 5 vehicles in length.
    - iv. No pedestrians crossed the crosswalks. Observed six (6) pedestrians cross Main Street north of the intersection, not at a crosswalk.
    - v. The north leg of the intersection (southbound traffic) lane configuration is one (1) lane, allowing vehicles to turn left/right or go thru. However, the pavement is wide enough for two (2) vehicles; when southbound left-turning vehicles had to stop due to northbound traffic, vehicles would pass the stopped vehicle on the right (close to the curb line) to turn right or continue straight on Main Street (SR 235). If two (2) vehicles were turning left and were stopped, no vehicles could pass due to on street parking. This was typical throughout the entire day.
    - vi. Not many vehicles would turn right on red; sight distance issues.
    - vii. Most of heavy trucks observed were school busses; high volume of school bus traffic around 8:00 AM.
  - b. Mid Count 11-2 PM
    - i. Pretimed signal; at times the east/west green phase would come on with no traffic, causing northbound & southbound traffic to back up.

- ii. Heavy northbound & southbound traffic volumes compared to the east/west movements (very light).
        - iii. Northbound & Southbound queues consistently more than five (5) vehicles in length.
        - iv. Few pedestrians crossed the crosswalks. Observed thirty-nine (39) pedestrians cross Main Street north of the intersection, not at a crosswalk.
        - v. Not many vehicles would turn right on red; sight distance issues.
      - c. PM Count 3-6 PM
        - i. Higher traffic volumes in all directions. On-street parking spaces mostly occupied during PM count.
        - ii. Eastbound vehicles turning left onto Main Street (to travel north) consistently stopped due to heavy westbound right-turn movement, causing long queues for eastbound traffic. At times, only one (1) eastbound vehicle would go through the intersection (west leg lane configuration for eastbound traffic is one (1) lane: left/thru/right).
        - iii. Heavy northbound thru traffic would cause long southbound traffic queues due to high southbound left-turn demand.
        - iv. Observed few pedestrians crossing at the crosswalks. Observed twenty-two (22) pedestrians cross Main Street north of the intersection, not at a crosswalk.
        - v. Right around 3:00, high volume of school busses went through the intersection.
  - III. Intersection of Main St.(SR 235) & Jackson St. (unsignalized)– 11/13/13
    - a. Observed three (3) total pedestrians crossing Main St. north of the intersection, not at a crosswalk.
    - b. Observed seven (7) total pedestrians crossing Main St. south of the intersection, not at a crosswalk.
    - c. Observed eight (8) total pedestrians crossing Jackson St. east of the intersection, not at a crosswalk.
    - d. Observed five (5) total pedestrians crossing Jackson St. west of the intersection, not at a crosswalk.
    - e. Observed two (2) total pedestrians crossing the intersection diagonally, from the southeast corner to the northwest corner.
    - f. Right after 8:00 AM high number of school bus traffic.
  - IV. Intersection of Main St.(SR 235) & Washington St. (unsignalized)– 11/14/13
    - a. Observed eight (8) total pedestrians crossing Main St. north of the intersection, not at a crosswalk.
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- b. Observed thirty-one (31) total pedestrians crossing Main St. south of the intersection, not at a crosswalk (more than half [16] of these pedestrians crossed during the mid-day count).
  - c. Observed one (1) total pedestrian crossing Washington St. east of the intersection, not at a crosswalk.
  - d. Observed three (3) total pedestrians crossing Washington St. west of the intersection, not at a crosswalk.
  - e. Whenever southbound traffic would back up from the signalized intersection to the south (Main & Jefferson), southbound vehicles would turn left onto Washington St. (to go eastbound) to bypass the queue.
  - f. Vehicles did not use turning signals when turning off of Main St. onto Washington St. (typically).
- V. Intersection of Main St.(SR 235) & Lincoln St. (unsignalized)– 11/19/13
- a. AM Count 7-9 AM
    - i. Observed one (1) total pedestrian crossing Main St. north of the intersection, not at a crosswalk.
    - ii. Right at 8:00 AM heavy school bus traffic.
    - iii. Very low side street volumes (on Lincoln).
    - iv. Very heavy southbound traffic volumes (on Main).
  - b. Mid Count 11-2 PM
    - i. Observed three (3) pedestrians crossing Main St. south of the intersection, not at a crosswalk.
    - ii. Heavy volumes on Main St. for northbound & southbound traffic. Northbound traffic backed up from the signalized intersection to the north (Main & Lake) through the intersection (Main & Lincoln) one (1) time. Otherwise, northbound queues from the signal were more than 5 vehicles consistently.
  - c. PM Count 3-6 PM
    - i. Right around 3:00 there was a high number of school bus traffic through the intersection.
    - ii. Heavy northbound traffic volumes.
    - iii. From 4:30- 5:30 PM northbound traffic backed up from the signalized intersection to the north (Main & Lake) through the intersection (Main & Lincoln) consistently. The queue would cause vehicles to block Lincoln St, preventing vehicles on Lincoln to move (except eastbound right-turns).
    - iv. Observed two (2) total pedestrians crossing Main St. north of the intersection, not at a crosswalk.
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- v. Observed three (3) total pedestrians crossing Main St. north of the intersection, not at a crosswalk.