

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: CARTERVILLE
Street: JALCS. SIDE**

A study of vehicle traffic was conducted with HI-STAR unit number 1233. The study was done in the S. SIDE COMB'D lane at JALCS. SIDE in CARTERVILLE, IL in 100-WILLIAMSON county. The study began on Apr/15/2009 at 12:00:00 AM and concluded on Apr/22/2009 at 12:00:00 AM, lasting a total of 168.00 hours. Traffic statistics were recorded in 30 minute time periods. The total recorded volume showed 10836 vehicles passed through the location with a peak volume of 158 on Apr/20/2009 at [12:30-13:00] and a minimum volume of 0 on Apr/15/2009 at [22:30-23:00]. The AADT count for this study was 1,548.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 20 - 25 MPH range or lower. The average speed for all classified vehicles was 21 MPH with 2.34% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.17 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 24.77 MPH.

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|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|
| < to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 to 44 | 45 to 49 | 50 to 54 | 55 to 59 | 60 to 64 | 65 to 69 | 70 to 74 | 75 to > | | | | | |
| 0 | 860 | 3511 | 4302 | 1067 | 139 | 39 | 11 | 7 | 12 | 8 | 6 | 5 | 2 | 4 | | | | | |

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Vans & Pickups. The number of Passenger Vehicles in the study was 0 which represents 0 percent of the total classified vehicles. The number of Vans & Pickups in the study was 9764 which represents 98 percent of the total classified vehicles. The number of Busses & Trucks in the study was 0 which represents 0 percent of the total classified vehicles. The number of Tractor Trailers in the study was 209 which represents 0 percent of the total classified vehicles.

| | | | | | | | | | | | | | | | | | | | |
|---------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| < to 22 | 23 to 39 | 40 to 99 | 100 to > | | | | | | | | | | | | | | | | |
| 9764 | 170 | 39 | 0 | | | | | | | | | | | | | | | | |

CHART 2

HEADWAY

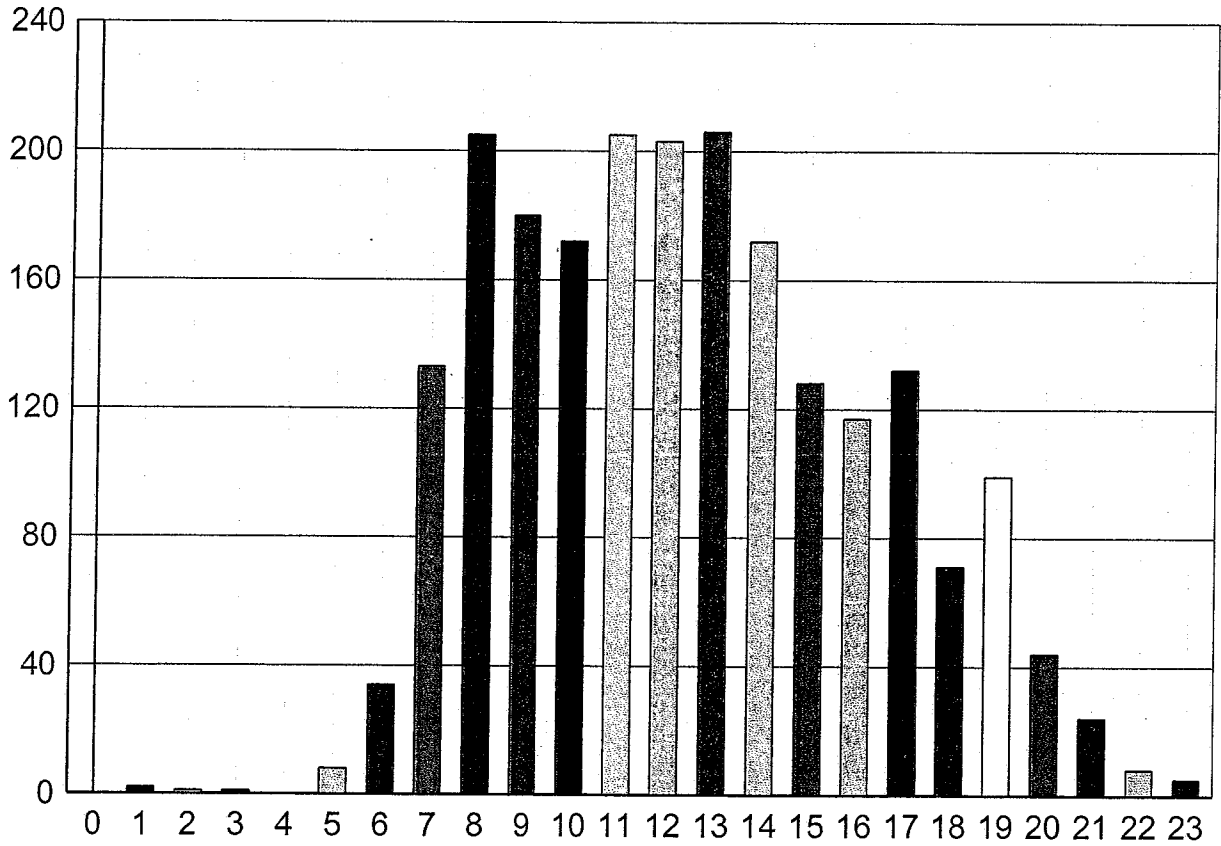
During the peak traffic period, on Apr/20/2009 at [12:30-13:00] the average headway between vehicles was 11.321 seconds. During the slowest traffic period, on Apr/15/2009 at [22:30-23:00] the average headway between vehicles was 1800 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 42.00 and 111.00 degrees F. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.

Time/Volume Graph

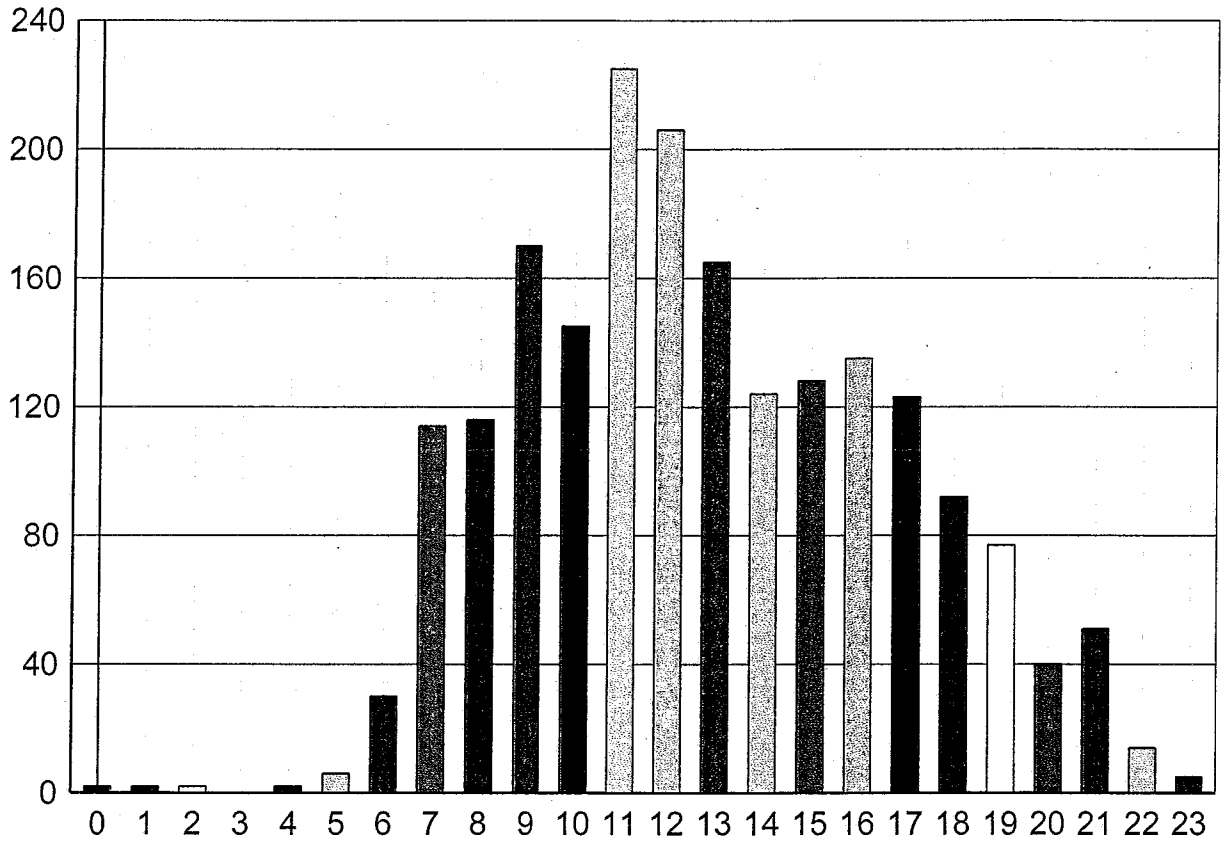
| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|



| Wed, Apr/15/2009 | | | | | | | |
|-------------------|---|--------------------|-----|--------------------|-----|--------------------|----|
| (0) 12:00 - 12:59 | 0 | (6) 06:00 - 06:59 | 34 | (12) 12:00 - 12:59 | 203 | (18) 18:00 - 18:59 | 71 |
| (1) 01:00 - 01:59 | 2 | (7) 07:00 - 07:59 | 133 | (13) 13:00 - 13:59 | 206 | (19) 19:00 - 19:59 | 99 |
| (2) 02:00 - 02:59 | 1 | (8) 08:00 - 08:59 | 205 | (14) 14:00 - 14:59 | 172 | (20) 20:00 - 20:59 | 44 |
| (3) 03:00 - 03:59 | 1 | (9) 09:00 - 09:59 | 180 | (15) 15:00 - 15:59 | 128 | (21) 21:00 - 21:59 | 24 |
| (4) 04:00 - 04:49 | 0 | (10) 10:00 - 10:59 | 172 | (16) 16:00 - 16:59 | 117 | (22) 22:00 - 22:59 | 8 |
| (5) 05:00 - 05:59 | 8 | (11) 11:00 - 11:59 | 205 | (17) 17:00 - 17:59 | 132 | (23) 23:00 - 23:59 | 5 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|

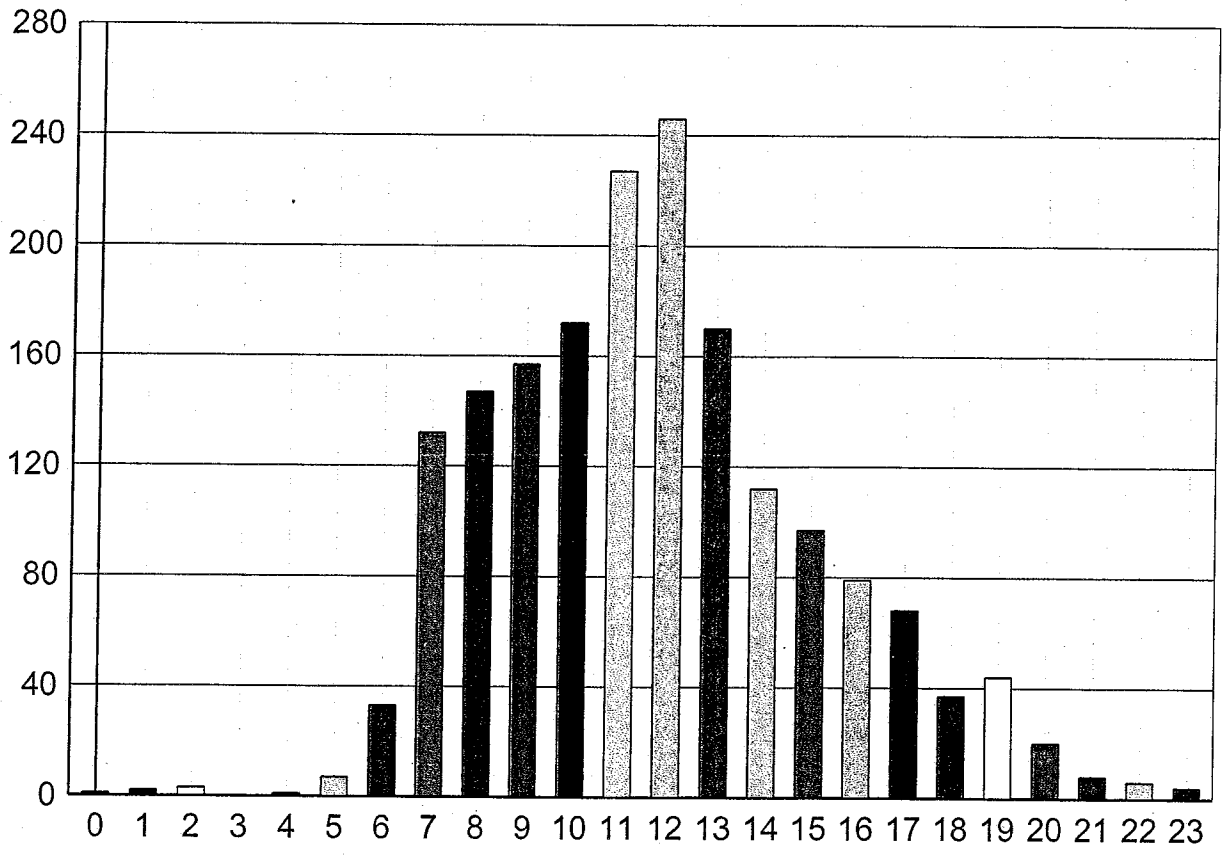


Thu, Apr/16/2009

| | | | | | | | |
|-------------------|---|--------------------|-----|--------------------|-----|--------------------|----|
| (0) 12:00 - 12:59 | 2 | (6) 06:00 - 06:59 | 30 | (12) 12:00 - 12:59 | 206 | (18) 18:00 - 18:59 | 92 |
| (1) 01:00 - 01:59 | 2 | (7) 07:00 - 07:59 | 114 | (13) 13:00 - 13:59 | 165 | (19) 19:00 - 19:59 | 77 |
| (2) 02:00 - 02:59 | 2 | (8) 08:00 - 08:59 | 116 | (14) 14:00 - 14:59 | 124 | (20) 20:00 - 20:59 | 40 |
| (3) 03:00 - 03:59 | 0 | (9) 09:00 - 09:59 | 170 | (15) 15:00 - 15:59 | 128 | (21) 21:00 - 21:59 | 51 |
| (4) 04:00 - 04:49 | 2 | (10) 10:00 - 10:59 | 145 | (16) 16:00 - 16:59 | 135 | (22) 22:00 - 22:59 | 14 |
| (5) 05:00 - 05:59 | 6 | (11) 11:00 - 11:59 | 225 | (17) 17:00 - 17:59 | 123 | (23) 23:00 - 23:59 | 5 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|

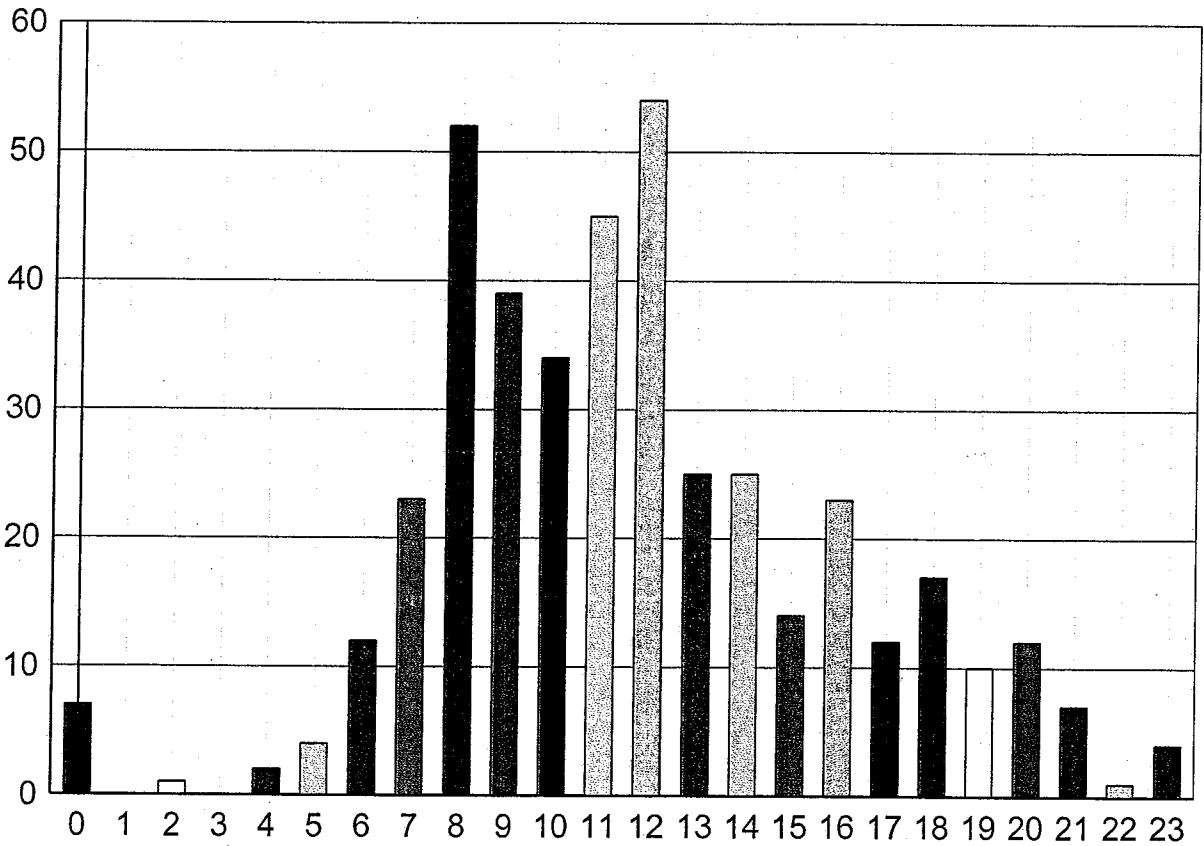


Fri, Apr/17/2009

| | | | | | | | |
|-------------------|---|--------------------|-----|--------------------|-----|--------------------|----|
| (0) 12:00 - 12:59 | 1 | (6) 06:00 - 06:59 | 33 | (12) 12:00 - 12:59 | 246 | (18) 18:00 - 18:59 | 37 |
| (1) 01:00 - 01:59 | 2 | (7) 07:00 - 07:59 | 132 | (13) 13:00 - 13:59 | 170 | (19) 19:00 - 19:59 | 44 |
| (2) 02:00 - 02:59 | 3 | (8) 08:00 - 08:59 | 147 | (14) 14:00 - 14:59 | 112 | (20) 20:00 - 20:59 | 20 |
| (3) 03:00 - 03:59 | 0 | (9) 09:00 - 09:59 | 157 | (15) 15:00 - 15:59 | 97 | (21) 21:00 - 21:59 | 8 |
| (4) 04:00 - 04:49 | 1 | (10) 10:00 - 10:59 | 172 | (16) 16:00 - 16:59 | 79 | (22) 22:00 - 22:59 | 6 |
| (5) 05:00 - 05:59 | 7 | (11) 11:00 - 11:59 | 227 | (17) 17:00 - 17:59 | 68 | (23) 23:00 - 23:59 | 4 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|

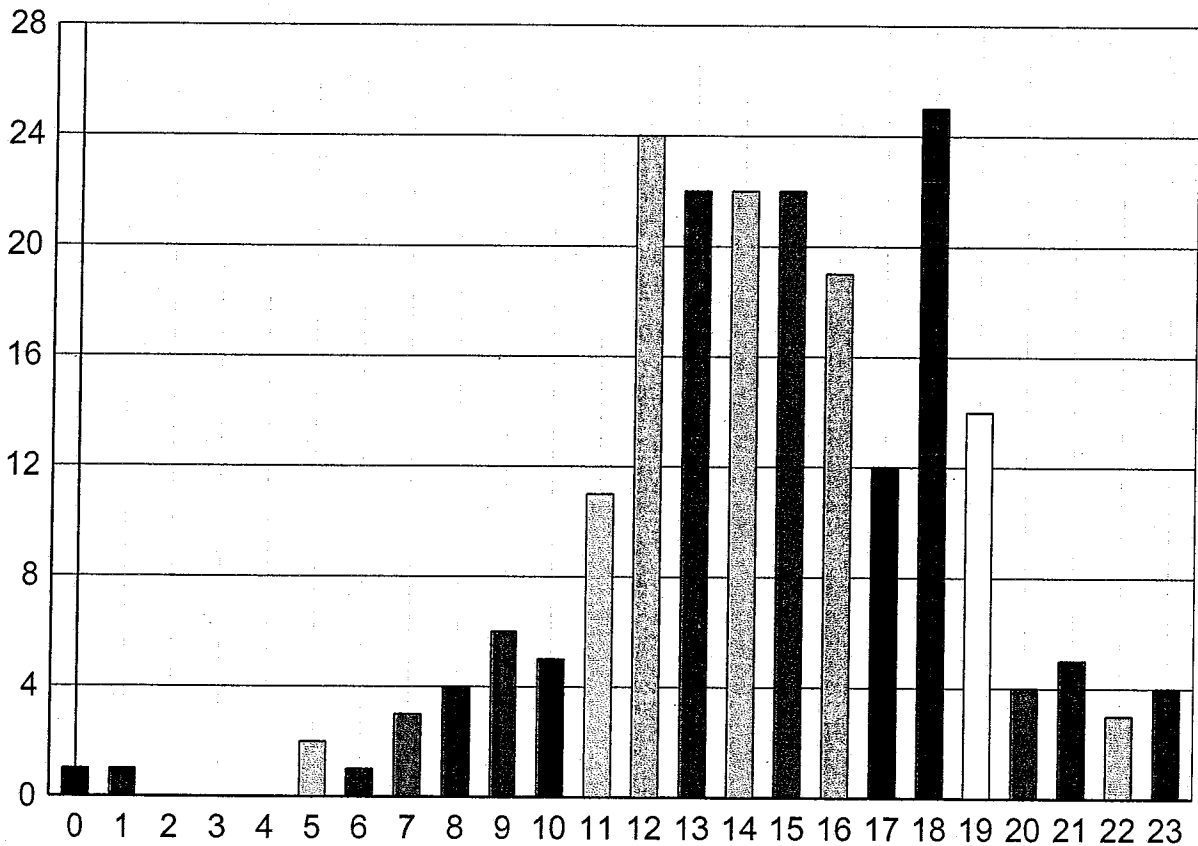


Sat, Apr/18/2009

| | | | | | | | |
|-------------------|---|--------------------|----|--------------------|----|--------------------|----|
| (0) 12:00 - 12:59 | 7 | (6) 06:00 - 06:59 | 12 | (12) 12:00 - 12:59 | 54 | (18) 18:00 - 18:59 | 17 |
| (1) 01:00 - 01:59 | 0 | (7) 07:00 - 07:59 | 23 | (13) 13:00 - 13:59 | 25 | (19) 19:00 - 19:59 | 10 |
| (2) 02:00 - 02:59 | 1 | (8) 08:00 - 08:59 | 52 | (14) 14:00 - 14:59 | 25 | (20) 20:00 - 20:59 | 12 |
| (3) 03:00 - 03:59 | 0 | (9) 09:00 - 09:59 | 39 | (15) 15:00 - 15:59 | 14 | (21) 21:00 - 21:59 | 7 |
| (4) 04:00 - 04:49 | 2 | (10) 10:00 - 10:59 | 34 | (16) 16:00 - 16:59 | 23 | (22) 22:00 - 22:59 | 1 |
| (5) 05:00 - 05:59 | 4 | (11) 11:00 - 11:59 | 45 | (17) 17:00 - 17:59 | 12 | (23) 23:00 - 23:59 | 4 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|

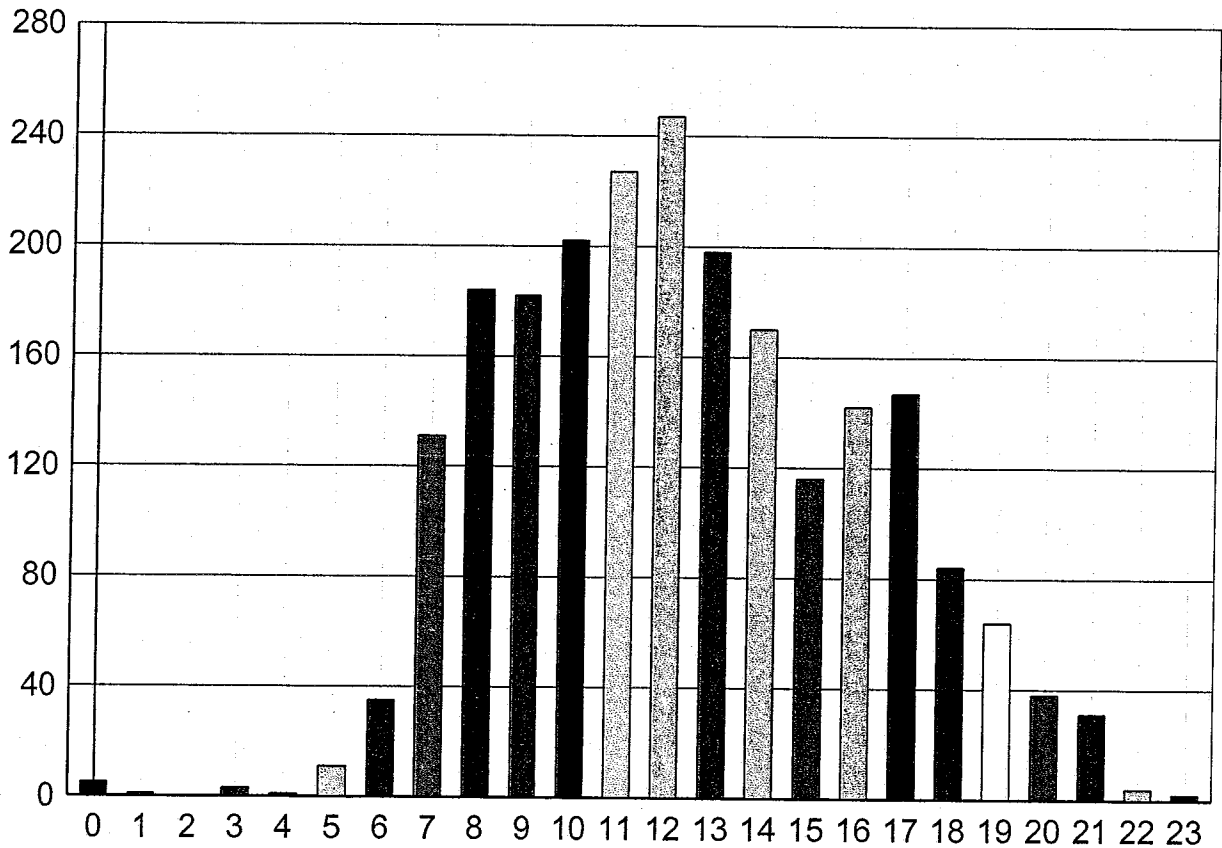


Sun, Apr/19/2009

| | | | | | | | |
|-------------------|---|--------------------|----|--------------------|----|--------------------|----|
| (0) 12:00 - 12:59 | 1 | (6) 06:00 - 06:59 | 1 | (12) 12:00 - 12:59 | 24 | (18) 18:00 - 18:59 | 25 |
| (1) 01:00 - 01:59 | 1 | (7) 07:00 - 07:59 | 3 | (13) 13:00 - 13:59 | 22 | (19) 19:00 - 19:59 | 14 |
| (2) 02:00 - 02:59 | 0 | (8) 08:00 - 08:59 | 4 | (14) 14:00 - 14:59 | 22 | (20) 20:00 - 20:59 | 4 |
| (3) 03:00 - 03:59 | 0 | (9) 09:00 - 09:59 | 6 | (15) 15:00 - 15:59 | 22 | (21) 21:00 - 21:59 | 5 |
| (4) 04:00 - 04:49 | 0 | (10) 10:00 - 10:59 | 5 | (16) 16:00 - 16:59 | 19 | (22) 22:00 - 22:59 | 3 |
| (5) 05:00 - 05:59 | 2 | (11) 11:00 - 11:59 | 11 | (17) 17:00 - 17:59 | 12 | (23) 23:00 - 23:59 | 4 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|

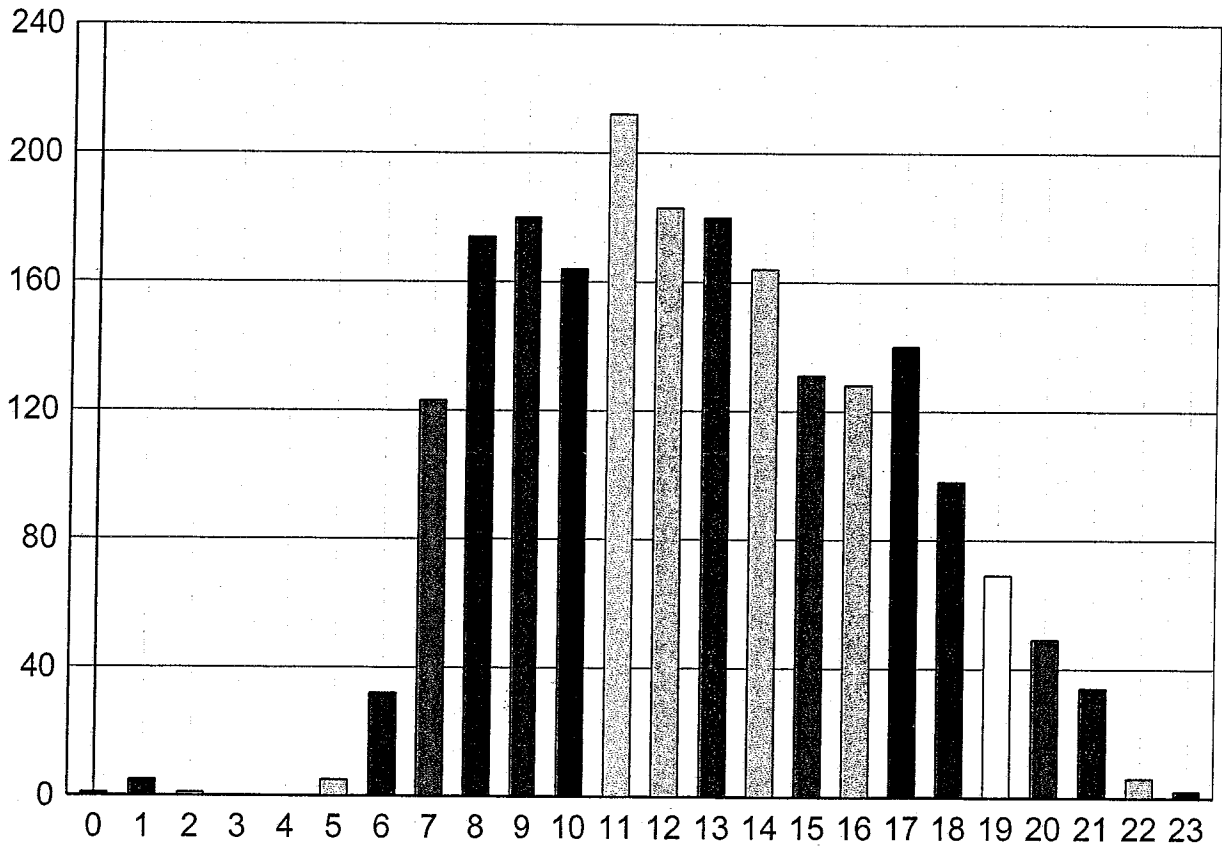


Mon, Apr/20/2009

| | | | | | | | |
|-------------------|----|--------------------|-----|--------------------|-----|--------------------|----|
| (0) 12:00 - 12:59 | 5 | (6) 06:00 - 06:59 | 35 | (12) 12:00 - 12:59 | 247 | (18) 18:00 - 18:59 | 84 |
| (1) 01:00 - 01:59 | 1 | (7) 07:00 - 07:59 | 131 | (13) 13:00 - 13:59 | 198 | (19) 19:00 - 19:59 | 64 |
| (2) 02:00 - 02:59 | 0 | (8) 08:00 - 08:59 | 184 | (14) 14:00 - 14:59 | 170 | (20) 20:00 - 20:59 | 38 |
| (3) 03:00 - 03:59 | 3 | (9) 09:00 - 09:59 | 182 | (15) 15:00 - 15:59 | 116 | (21) 21:00 - 21:59 | 31 |
| (4) 04:00 - 04:49 | 1 | (10) 10:00 - 10:59 | 202 | (16) 16:00 - 16:59 | 142 | (22) 22:00 - 22:59 | 4 |
| (5) 05:00 - 05:59 | 11 | (11) 11:00 - 11:59 | 227 | (17) 17:00 - 17:59 | 147 | (23) 23:00 - 23:59 | 2 |

Time/Volume Graph

| | | |
|---|---|--|
| HI-Star ID: 1233 Street: JALCS. SIDE State: IL City: CARTERVILLE County: 100-WILLIAMSON | Begin: Apr/15/2009 12:00:00 AM Lane: S. SIDE COMB'D Oper: JBH Posted: 25 AADT Factor: 1 | End: Apr/22/2009 12:00:00 AM Hours: 168.00 Period: 30 Raw Count: 10836 AADT Count: 1,548 |
|---|---|--|



Tue, Apr/21/2009

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|-------------------|---|--------------------|-----|--------------------|-----|--------------------|----|
| (0) 12:00 - 12:59 | 1 | (6) 06:00 - 06:59 | 32 | (12) 12:00 - 12:59 | 183 | (18) 18:00 - 18:59 | 98 |
| (1) 01:00 - 01:59 | 5 | (7) 07:00 - 07:59 | 123 | (13) 13:00 - 13:59 | 180 | (19) 19:00 - 19:59 | 69 |
| (2) 02:00 - 02:59 | 1 | (8) 08:00 - 08:59 | 174 | (14) 14:00 - 14:59 | 164 | (20) 20:00 - 20:59 | 49 |
| (3) 03:00 - 03:59 | 0 | (9) 09:00 - 09:59 | 180 | (15) 15:00 - 15:59 | 131 | (21) 21:00 - 21:59 | 34 |
| (4) 04:00 - 04:49 | 0 | (10) 10:00 - 10:59 | 164 | (16) 16:00 - 16:59 | 128 | (22) 22:00 - 22:59 | 6 |
| (5) 05:00 - 05:59 | 5 | (11) 11:00 - 11:59 | 212 | (17) 17:00 - 17:59 | 140 | (23) 23:00 - 23:59 | 2 |