



To: Stan Rickard, Public Works Director

From: John Johnson, Technical Services Supervisor *JJ*

Date: September 5, 2000

Subject: Request to Convert Yield Signs to Stop Signs on Charlotte at Taylor

Mr. Walter Wagner, 55 E. Taylor called requesting that the yield signs be converted to stop signs. An accident occurred in the intersection forcing one of the vehicles into his front yard where his grandchildren normally play. Attached for your review are traffic analyzer reports for the above intersection. A total of 906 vehicles traveled north and south on Charlotte over a 48-hour period. Approximately 8% of the vehicles are not slowing down to yield to traffic on Taylor. I checked with the Police Department for accident history at this intersection. The following is the accident history:

Number of Accidents	Year	Personnel Injury (PI) Property Damage (PD)
1	91	PD
2	92	PI,PI
1	93	PD
2	96	PI,PI
1	2000	PI

The intersection of Charlotte and Taylor is free of obstructions and does provide adequate sight distance and safe stopping distance for drivers, if they slow down. In cases where drivers are not yielding due to higher speeds, a more positive traffic control device is needed. On the basis of the above information, I would recommend converting north and southbound yield signs at Charlotte and Taylor to stop signs.

cc: Richard Tross, Trustee - District 2
 Paul Kufirin, Trustee - District 6
 Mr. Walter Wagner, 55 E. Taylor
 Transportation and Safety Committee

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: N.B. Taylor & Charlotte
Location: N.B. Taylor & Charlotte**

A study of vehicle traffic was conducted with HI-STAR unit number 7523. The study was done in the lane on N.B. Taylor & Charlotte in Lombard, IL in DuPage county. The study began on 08/29/2000 at 09:00 AM and concluded on 08/31/2000 at 09:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 382 vehicles passed through the location with a peak volume of 22 on 08/29/2000 at 04:00 PM and a minimum volume of 0 on 08/30/2000 at 01:00 AM.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
330	1	1	3	1	0	0	0	0	0	0	0	0	0	0

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 22 Mph with 0.0 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 22.

CLASSIFICATION

Chart 2 lists the values of the eight Classification bins and the total traffic volume accumulated for each bin.

Chart 2

< 20	20	30	40	50	60	70	> 70
159	2	84	5	41	3	38	4

Most of the vehicles were Passenger Cars with a total count of 161. This represents 47.9 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/29/2000 at 04:00 PM the average headway between the vehicles was 156.52 seconds. The slowest traffic period was on 08/30/2000 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76 and 103 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

Time/Speed Report

HI-Star ID: 7523
 Street: N.B. Taylor & Charlotte
 State: IL
 City: Lombard
 County: DuPage

Begin: 08/29/2000 09:00 AM
 Lane:
 Oper: EP
 Posted: 30
 AADT Factor: 1

End: 08/31/2000 09:00 AM
 Hours: 48
 Period: 60
 Raw Count: 382
 AADT Count: 191

Date & Time Range	22	23	25	28	30	33	35	38	40	43	45	48	50	53	54	Total
08/29/2000 [09:00 AM-10:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/29/2000 [10:00 AM-11:00 AM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08/29/2000 [11:00 AM-12:00 PM]	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
08/29/2000 [12:00 PM-01:00 PM]	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
08/29/2000 [01:00 PM-02:00 PM]	14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	15
08/29/2000 [02:00 PM-03:00 PM]	14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	17
08/29/2000 [03:00 PM-04:00 PM]	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
08/29/2000 [04:00 PM-05:00 PM]	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
08/29/2000 [05:00 PM-06:00 PM]	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
08/29/2000 [06:00 PM-07:00 PM]	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
08/29/2000 [07:00 PM-08:00 PM]	12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	13
08/29/2000 [08:00 PM-09:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08/29/2000 [09:00 PM-10:00 PM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
08/29/2000 [10:00 PM-11:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/29/2000 [11:00 PM-12:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2000 [12:00 AM-01:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2000 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [02:00 AM-03:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2000 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [05:00 AM-06:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [06:00 AM-07:00 AM]	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
08/30/2000 [07:00 AM-08:00 AM]	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
08/30/2000 [08:00 AM-09:00 AM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
08/30/2000 [09:00 AM-10:00 AM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
08/30/2000 [10:00 AM-11:00 AM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
08/30/2000 [11:00 AM-12:00 PM]	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
08/30/2000 [12:00 PM-01:00 PM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
08/30/2000 [01:00 PM-02:00 PM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
08/30/2000 [02:00 PM-03:00 PM]	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
08/30/2000 [03:00 PM-04:00 PM]	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
08/30/2000 [04:00 PM-05:00 PM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
08/30/2000 [05:00 PM-06:00 PM]	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
08/30/2000 [06:00 PM-07:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08/30/2000 [07:00 PM-08:00 PM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
08/30/2000 [08:00 PM-09:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08/30/2000 [09:00 PM-10:00 PM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
08/30/2000 [10:00 PM-11:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [11:00 PM-12:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/31/2000 [12:00 AM-01:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [01:00 AM-02:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [02:00 AM-03:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [03:00 AM-04:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/31/2000 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [05:00 AM-06:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/31/2000 [06:00 AM-07:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/31/2000 [07:00 AM-08:00 AM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
08/31/2000 [08:00 AM-09:00 AM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8

Grand Totals: 330 1 3 1 0 0 0 0 0 0 0 0 0 336

Total Percentages: 98.21% 0.30% 0.30% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: S.B. Taylor & Charlotte
Location: S.B. Taylor & Charlotte**

A study of vehicle traffic was conducted with HI-STAR unit number 6784. The study was done in the lane on S.B. Taylor & Charlotte in Lombard, IL in DuPage county. The study began on 08/29/2000 at 09:00 AM and concluded on 08/31/2000 at 09:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 524 vehicles passed through the location with a peak volume of 30 on 08/29/2000 at 06:00 PM and a minimum volume of 0 on 08/30/2000 at 12:00 AM.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
406	30	13	5	5	2	2	0	0	0	1	1	0	0	0

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 23 Mph with 1.29 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 22.

CLASSIFICATION

Chart 2 lists the values of the eight Classification bins and the total traffic volume accumulated for each bin.

Chart 2

< 20	20	30	40	50	60	70	> 70
198	29	103	12	48	5	58	12

Most of the vehicles were Passenger Cars with a total count of 227. This represents 48.8 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/29/2000 at 06:00 PM the average headway between the vehicles was 116.13 seconds. The slowest traffic period was on 08/30/2000 at 12:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 78 and 111 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

Time/Speed Report

HI-Star ID: 6784	Begin: 08/29/2000 09:00 AM	End: 08/31/2000 09:00 AM
Street: S.B. Taylor & Charlotte	Lane:	Hours: 48
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 524
County: DuPage	AADT Factor: 1	AADT Count: 262

Date & Time Range	22	23	25	28	30	33	35	38	40	43	45	48	50	53	54	Total
08/29/2000 [09:00 AM-10:00 AM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
08/29/2000 [10:00 AM-11:00 AM]	11	0	0	1	0	0	0	0	0	0	0	1	0	0	0	13
08/29/2000 [11:00 AM-12:00 PM]	12	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14
08/29/2000 [12:00 PM-01:00 PM]	24	1	0	0	1	0	0	0	0	0	0	0	0	0	0	26
08/29/2000 [01:00 PM-02:00 PM]	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
08/29/2000 [02:00 PM-03:00 PM]	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	15
08/29/2000 [03:00 PM-04:00 PM]	13	3	2	0	1	0	0	0	0	0	0	0	0	0	0	19
08/29/2000 [04:00 PM-05:00 PM]	22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	23
08/29/2000 [05:00 PM-06:00 PM]	16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17
08/29/2000 [06:00 PM-07:00 PM]	24	1	1	0	0	0	1	0	0	0	0	0	0	0	0	27
08/29/2000 [07:00 PM-08:00 PM]	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	13
08/29/2000 [08:00 PM-09:00 PM]	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
08/29/2000 [09:00 PM-10:00 PM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/29/2000 [10:00 PM-11:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/29/2000 [11:00 PM-12:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [03:00 AM-04:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2000 [04:00 AM-05:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [05:00 AM-06:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [06:00 AM-07:00 AM]	3	5	0	0	1	0	0	0	0	0	0	0	0	0	0	9
08/30/2000 [07:00 AM-08:00 AM]	14	2	1	0	0	0	0	0	0	0	0	0	0	0	0	17
08/30/2000 [08:00 AM-09:00 AM]	9	1	2	0	0	0	0	0	0	0	0	0	0	0	0	12
08/30/2000 [09:00 AM-10:00 AM]	21	0	0	0	2	0	0	0	0	0	0	0	0	0	0	23
08/30/2000 [10:00 AM-11:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [11:00 AM-12:00 PM]	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	12
08/30/2000 [12:00 PM-01:00 PM]	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7
08/30/2000 [01:00 PM-02:00 PM]	0	9	0	0	0	1	0	0	0	0	0	0	0	0	0	10
08/30/2000 [02:00 PM-03:00 PM]	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	16
08/30/2000 [03:00 PM-04:00 PM]	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
08/30/2000 [04:00 PM-05:00 PM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
08/30/2000 [05:00 PM-06:00 PM]	18	2	1	0	0	1	0	0	0	0	1	0	0	0	0	23
08/30/2000 [06:00 PM-07:00 PM]	15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	16
08/30/2000 [07:00 PM-08:00 PM]	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12
08/30/2000 [08:00 PM-09:00 PM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
08/30/2000 [09:00 PM-10:00 PM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [10:00 PM-11:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [11:00 PM-12:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/31/2000 [12:00 AM-01:00 AM]	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/31/2000 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [02:00 AM-03:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [05:00 AM-06:00 AM]	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
08/31/2000 [06:00 AM-07:00 AM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
08/31/2000 [07:00 AM-08:00 AM]	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
08/31/2000 [08:00 AM-09:00 AM]	22	0	0	0	0	0	1	0	0	0	0	0	0	0	0	23

Grand Totals:	406	30	13	5	5	2	2	0	0	0	1	1	0	0	0	465
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Total Percentages:	87.31%	2.80%	1.08%	0.43%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%
	6.45%	1.08%	0.43%	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: E.B. Taylor & Charlotte
Location: E.B. Taylor & Charlotte**

A study of vehicle traffic was conducted with HI-STAR unit number 2196. The study was done in the lane on E.B. Taylor & Charlotte in Lombard, IL in DuPage county. The study began on 08/29/2000 at 09:00 AM and concluded on 08/31/2000 at 09:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 1,082 vehicles passed through the location with a peak volume of 60 on 08/29/2000 at 07:00 PM and a minimum volume of 0 on 08/30/2000 at 01:00 AM.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
407	52	140	201	119	65	40	25	10	6	3	2	0	0	0

Half of the vehicles were traveling at 25 Mph or a lower speed. The average speed for all classified vehicles was 26 Mph with 14.1 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 30.

CLASSIFICATION

Chart 2 lists the values of the eight Classification bins and the total traffic volume accumulated for each bin.

Chart 2

< 20	20	30	40	50	60	70	> 70
266	10	215	7	406	8	156	2

Most of the vehicles were Tractor Trailers with a total count of 579. This represents 54.1 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/29/2000 at 07:00 PM the average headway between the vehicles was 59.02 seconds. The slowest traffic period was on 08/30/2000 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 74 and 95 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

Time/Speed Report

HI-Star ID: 2196
 Street: E.B. Taylor & Charlotte
 State: IL
 City: Lombard
 County: DuPage

Begin: 08/29/2000 09:00 AM
 Lane:
 Oper: EP
 Posted: 30
 AADT Factor: 1

End: 08/31/2000 09:00 AM
 Hours: 48
 Period: 60
 Raw Count: 1082
 AADT Count: 541

Date & Time Range	22	23	25	28	30	33	35	38	40	43	45	48	50	53	54	Total
08/29/2000 [09:00 AM-10:00 AM]	9	0	5	3	2	2	0	0	0	0	1	0	0	0	0	22
08/29/2000 [10:00 AM-11:00 AM]	3	1	2	3	6	3	0	1	0	0	0	0	0	0	0	19
08/29/2000 [11:00 AM-12:00 PM]	5	0	7	7	2	3	0	0	0	0	0	0	0	0	0	24
08/29/2000 [12:00 PM-01:00 PM]	16	0	4	4	5	0	3	1	1	0	0	1	0	0	0	35
08/29/2000 [01:00 PM-02:00 PM]	22	3	1	6	3	1	1	1	0	0	0	0	0	0	0	38
08/29/2000 [02:00 PM-03:00 PM]	9	0	1	3	2	0	1	0	0	0	0	0	0	0	0	16
08/29/2000 [03:00 PM-04:00 PM]	13	0	0	4	4	4	3	0	0	0	1	0	0	0	0	29
08/29/2000 [04:00 PM-05:00 PM]	15	1	6	3	2	0	1	2	0	0	0	0	0	0	0	30
08/29/2000 [05:00 PM-06:00 PM]	24	3	7	7	6	4	1	1	0	1	0	0	0	0	0	54
08/29/2000 [06:00 PM-07:00 PM]	14	3	10	15	7	2	0	0	2	0	0	0	0	0	0	53
08/29/2000 [07:00 PM-08:00 PM]	14	2	10	20	5	2	3	1	1	1	0	0	0	0	0	59
08/29/2000 [08:00 PM-09:00 PM]	24	1	3	4	4	0	0	0	0	0	0	0	0	0	0	36
08/29/2000 [09:00 PM-10:00 PM]	7	2	6	4	3	3	2	0	0	0	0	0	0	0	0	27
08/29/2000 [10:00 PM-11:00 PM]	0	1	4	3	2	2	0	0	1	0	0	0	0	0	0	13
08/29/2000 [11:00 PM-12:00 AM]	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	6
08/30/2000 [12:00 AM-01:00 AM]	0	0	2	1	0	0	0	1	0	0	0	0	0	0	0	4
08/30/2000 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [02:00 AM-03:00 AM]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [03:00 AM-04:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2000 [04:00 AM-05:00 AM]	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [05:00 AM-06:00 AM]	2	3	3	0	1	0	0	0	0	0	0	0	0	0	0	9
08/30/2000 [06:00 AM-07:00 AM]	5	1	3	5	4	1	1	0	0	0	0	0	0	0	0	20
08/30/2000 [07:00 AM-08:00 AM]	5	1	1	7	4	7	3	1	1	0	1	0	0	0	0	31
08/30/2000 [08:00 AM-09:00 AM]	14	3	3	2	4	0	1	0	0	0	0	0	0	0	0	27
08/30/2000 [09:00 AM-10:00 AM]	11	0	1	2	4	0	0	1	0	0	0	0	0	0	0	19
08/30/2000 [10:00 AM-11:00 AM]	22	2	2	0	1	1	1	0	0	0	0	0	0	0	0	29
08/30/2000 [11:00 AM-12:00 PM]	7	1	3	7	4	1	1	2	0	0	0	0	0	0	0	26
08/30/2000 [12:00 PM-01:00 PM]	9	2	6	5	1	0	0	0	0	0	0	0	0	0	0	23
08/30/2000 [01:00 PM-02:00 PM]	10	1	6	5	2	0	2	1	0	0	0	0	0	0	0	27
08/30/2000 [02:00 PM-03:00 PM]	16	1	3	11	3	2	0	0	0	0	0	0	0	0	0	36
08/30/2000 [03:00 PM-04:00 PM]	9	2	4	9	3	3	0	2	0	0	0	0	0	0	0	32
08/30/2000 [04:00 PM-05:00 PM]	18	4	2	6	2	2	1	2	1	1	0	0	0	0	0	39
08/30/2000 [05:00 PM-06:00 PM]	15	2	6	8	8	5	3	0	1	1	0	0	0	0	0	49
08/30/2000 [06:00 PM-07:00 PM]	7	0	5	9	8	4	3	2	0	0	0	0	0	0	0	38
08/30/2000 [07:00 PM-08:00 PM]	8	5	6	9	5	4	0	0	0	0	0	0	0	0	0	37
08/30/2000 [08:00 PM-09:00 PM]	16	2	4	6	3	1	1	0	0	0	0	0	0	0	0	33
08/30/2000 [09:00 PM-10:00 PM]	12	0	1	2	0	1	0	0	0	0	0	0	0	0	0	16
08/30/2000 [10:00 PM-11:00 PM]	2	0	2	3	2	1	1	0	0	1	0	0	0	0	0	12
08/30/2000 [11:00 PM-12:00 AM]	3	0	0	2	0	1	0	0	0	0	0	0	0	0	0	6
08/31/2000 [12:00 AM-01:00 AM]	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
08/31/2000 [01:00 AM-02:00 AM]	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	4
08/31/2000 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [03:00 AM-04:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [04:00 AM-05:00 AM]	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
08/31/2000 [05:00 AM-06:00 AM]	0	0	1	6	1	0	0	0	0	0	0	0	0	0	0	8
08/31/2000 [06:00 AM-07:00 AM]	8	1	2	3	0	0	3	0	0	1	0	0	0	0	0	18
08/31/2000 [07:00 AM-08:00 AM]	13	1	3	1	1	2	0	4	2	0	0	1	0	0	0	28
08/31/2000 [08:00 AM-09:00 AM]	16	0	1	3	1	1	3	1	0	0	0	0	0	0	0	26

Grand Totals: 407 140 119 40 10 6 3 2 0 0 0 1070

Total Percentages: 38.04% 13.08% 11.12% 3.74% 0.93% 0.28% 0.00% 0.00%
 4.86% 18.79% 6.07% 2.34% 0.56% 0.19% 0.00%

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: W.B. Taylor & Charlotte
Location: W.B. Taylor & Charlotte**

A study of vehicle traffic was conducted with HI-STAR unit number 9245. The study was done in the lane on W.B. Taylor & Charlotte in Lombard, IL in DuPage county. The study began on 08/29/2000 at 09:00 AM and concluded on 08/31/2000 at 09:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 537 vehicles passed through the location with a peak volume of 32 on 08/29/2000 at 05:00 PM and a minimum volume of 0 on 08/29/2000 at 11:00 PM.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
163	17	66	104	61	66	21	16	6	8	1	0	0	0	0

Half of the vehicles were traveling at 28 Mph or a lower speed. The average speed for all classified vehicles was 27 Mph with 22.3 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 33.

CLASSIFICATION

Chart 2 lists the values of the eight Classification bins and the total traffic volume accumulated for each bin.

Chart 2

< 20	20	30	40	50	60	70	> 70
240	7	129	9	70	3	65	6

Most of the vehicles were Passenger Cars with a total count of 247. This represents 46.7 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/29/2000 at 05:00 PM the average headway between the vehicles was 109.09 seconds. The slowest traffic period was on 08/29/2000 at 11:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 78 and 107 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

Time/Speed Report

HI-Star ID: 9245	Begin: 08/29/2000 09:00 AM	End: 08/31/2000 09:00 AM
Street: W.B. Taylor & Charlotte	Lane:	Hours: 48
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 537
County: DuPage	AADT Factor: 1	AADT Count: 269

Date & Time Range	<u>22</u>	<u>23</u>	<u>25</u>	<u>28</u>	<u>30</u>	<u>33</u>	<u>35</u>	<u>38</u>	<u>40</u>	<u>43</u>	<u>45</u>	<u>48</u>	<u>50</u>	<u>53</u>	<u>54</u>	<u>Total</u>
08/29/2000 [09:00 AM-10:00 AM]	7	1	4	3	2	2	0	0	1	0	0	0	0	0	0	20
08/29/2000 [10:00 AM-11:00 AM]	5	1	1	1	0	3	0	0	0	0	0	0	0	0	0	11
08/29/2000 [11:00 AM-12:00 PM]	0	1	0	5	4	4	0	0	1	1	0	0	0	0	0	16
08/29/2000 [12:00 PM-01:00 PM]	8	1	1	6	4	4	0	0	1	0	0	0	0	0	0	25
08/29/2000 [01:00 PM-02:00 PM]	4	1	3	3	4	2	1	1	0	2	0	0	0	0	0	21
08/29/2000 [02:00 PM-03:00 PM]	11	1	2	2	1	2	2	0	1	0	0	0	0	0	0	22
08/29/2000 [03:00 PM-04:00 PM]	1	0	1	1	1	4	1	0	0	0	0	0	0	0	0	9
08/29/2000 [04:00 PM-05:00 PM]	5	0	5	5	3	2	0	0	2	0	0	0	0	0	0	22
08/29/2000 [05:00 PM-06:00 PM]	7	2	5	10	3	1	2	0	0	0	0	0	0	0	0	30
08/29/2000 [06:00 PM-07:00 PM]	3	0	3	5	2	2	1	0	0	1	0	0	0	0	0	17
08/29/2000 [07:00 PM-08:00 PM]	6	0	1	4	0	1	0	0	0	0	0	0	0	0	0	12
08/29/2000 [08:00 PM-09:00 PM]	5	1	1	0	0	1	0	0	0	0	0	0	0	0	0	8
08/29/2000 [09:00 PM-10:00 PM]	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
08/29/2000 [10:00 PM-11:00 PM]	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
08/29/2000 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [03:00 AM-04:00 AM]	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
08/30/2000 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [05:00 AM-06:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/30/2000 [06:00 AM-07:00 AM]	3	0	2	7	1	2	0	1	0	1	0	0	0	0	0	17
08/30/2000 [07:00 AM-08:00 AM]	0	0	2	7	3	3	2	4	0	0	0	0	0	0	0	21
08/30/2000 [08:00 AM-09:00 AM]	6	1	6	1	4	5	1	2	0	0	0	0	0	0	0	26
08/30/2000 [09:00 AM-10:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2000 [10:00 AM-11:00 AM]	1	1	0	2	1	3	0	0	0	0	0	0	0	0	0	8
08/30/2000 [11:00 AM-12:00 PM]	1	2	1	2	2	1	2	1	0	0	0	0	0	0	0	12
08/30/2000 [12:00 PM-01:00 PM]	6	0	1	0	3	3	0	0	0	0	0	0	0	0	0	13
08/30/2000 [01:00 PM-02:00 PM]	4	0	4	4	2	2	0	0	0	1	0	0	0	0	0	17
08/30/2000 [02:00 PM-03:00 PM]	8	0	1	2	1	1	2	1	0	0	0	0	0	0	0	16
08/30/2000 [03:00 PM-04:00 PM]	6	0	2	5	1	3	1	1	0	0	0	0	0	0	0	19
08/30/2000 [04:00 PM-05:00 PM]	9	0	0	4	4	5	1	2	0	2	0	0	0	0	0	27
08/30/2000 [05:00 PM-06:00 PM]	3	2	2	2	6	3	2	1	0	0	0	0	0	0	0	21
08/30/2000 [06:00 PM-07:00 PM]	9	0	3	1	1	1	0	0	0	0	0	0	0	0	0	15
08/30/2000 [07:00 PM-08:00 PM]	4	0	3	1	1	1	0	0	0	0	0	0	0	0	0	10
08/30/2000 [08:00 PM-09:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08/30/2000 [09:00 PM-10:00 PM]	3	0	0	2	0	0	0	1	0	0	0	0	0	0	0	6
08/30/2000 [10:00 PM-11:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08/30/2000 [11:00 PM-12:00 AM]	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/31/2000 [12:00 AM-01:00 AM]	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
08/31/2000 [01:00 AM-02:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08/31/2000 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/31/2000 [05:00 AM-06:00 AM]	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
08/31/2000 [06:00 AM-07:00 AM]	3	0	2	5	4	3	2	0	0	1	0	0	0	0	0	20
08/31/2000 [07:00 AM-08:00 AM]	4	1	5	11	2	0	1	1	0	0	0	0	0	0	0	25
08/31/2000 [08:00 AM-09:00 AM]	11	0	3	1	1	0	0	0	0	0	0	0	0	0	0	16

Grand Totals:	163	17	66	104	61	66	21	16	6	8	1	0	0	0	0	529
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Total Percentages:	30.81%	12.48%	11.53%	3.97%	1.13%	0.19%	0.00%	0.00%	3.21%	19.66%	12.48%	3.02%	1.51%	0.00%	0.00%
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