



To: Stan Rickard, Director of Public Works
From: John Johnson, Technical Services Supervisor JJ
Date: November 21, 2001
Subject: Request for Yield Signs on Martha St. at Pleasant Ln.

Attached for your review is a map of the area and traffic analyzer reports.

Martha St. is located 2 blocks east of Pleasant Lane School. Pleasant Ln. is used as a staging area for drop-off and pickup of school children. With the increase in enrollment at Pleasant Lane School there has been an increase of vehicular traffic. Schools in general are experiencing more congestion due to parents driving their children to school instead of allowing them to walk. Pleasant Lane School has intergovernmental agreement with the Park District for them to use the school at nights and weekends for sport activities. This also adds to the congestion in the area.

Field observations showed most drivers are yielding to Pleasant traffic. This was observed at Martha, Craig and Stewart. These intersections do not have traffic control devices assigning right-of-way. Parents not only pickup/drop-off on Pleasant they also pickup and drop-off on eastbound Berkshire. When some of the parents leave Berkshire they travel south on Martha, Craig and Stewart to go home. On Martha, Craig and Stewart, I would recommend assigning right-of-way for those drivers who are not approaching the intersection with caution. Reports of near misses at the intersection of Martha and Pleasant and traffic analyzer reports document this.

Based on the above information, I would recommend installing Yield signs on Martha St., Craig Pl. and Stewart Ave. at Pleasant Ln.

cc: Rick Stoderstrom, Trustee, District 6
Steven Seby, Trustee, District 4
Transportation and Safety Committee



PARK AV

PARK AV

BROWN ST

MAIN ST

CHARLOTTE ST

Pleasant Lane School

PLEASANT AV

BERKSHIRE AV

GARFIELD ST

VIEW ST

MARTHA ST

11719701

CRAIG PL

MART

GA

CRA

C

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: E.B. Pleasant@Martha**

A study of vehicle traffic was conducted with HI-STAR unit number 2183. The study was done in the lane on E.B. Pleasant@Martha in LOMBARD, IL in DUPAGE county. The study began on 11/06/2001 at 11:00 AM and concluded on 11/08/2001 at 11:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 226 vehicles passed through the location with a peak volume of 21 on 11/07/2001 at 04:00 PM and a minimum volume of 0 on 11/07/2001 at 12:00 AM. The AADT Count for this study was 113.

SPEED

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

Chart 1

0 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 59	60 to 64	65 to 69	70 to 74	75 >
0	37	68	67	25	11	3	0	5	0	1	0	0	0	5

At least half of the vehicles were traveling in the 21 - 25 mph range or a lower speed. The average speed for all classified vehicles was 21 mph with 11.2 percent exceeding the posted speed of 30 mph. The HI-STAR found 11.2 percent of the total vehicles were traveling in excess of 30 mph. The mode speed for this traffic study was 16 mph and the 85th percentile was 24.84 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
199	14	6	2	0	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 213 which represents 95.90 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 2.70 percent of the total classified vehicles. The number of Trucks/Busses in the study was 2 which represents 0.90 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.50 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 11/07/2001 at 04:00 PM the average headway between the vehicles was 163.64 seconds. The slowest traffic period was on 11/07/2001 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 46 and 68 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2183	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: E.B. Pleasant@Martha	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 226
County: DUPAGE	AADT Factor: 1	AADT Count: 113

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/06/2001 [11:00 AM-12:00 PM]	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
11/06/2001 [12:00 PM-01:00 PM]	0	4	4	1	1	0	0	0	0	0	0	0	0	0	0	10
11/06/2001 [01:00 PM-02:00 PM]	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
11/06/2001 [02:00 PM-03:00 PM]	0	0	7	1	1	0	0	0	0	0	0	0	0	0	0	9
11/06/2001 [03:00 PM-04:00 PM]	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
11/06/2001 [04:00 PM-05:00 PM]	0	3	4	2	1	2	0	0	0	0	0	0	0	0	1	13
11/06/2001 [05:00 PM-06:00 PM]	0	1	2	4	1	2	0	0	0	0	0	0	0	0	0	10
11/06/2001 [06:00 PM-07:00 PM]	0	2	2	2	1	1	0	0	0	0	0	0	0	0	0	8
11/06/2001 [07:00 PM-08:00 PM]	0	0	3	2	1	2	0	0	0	0	0	0	0	0	0	8
11/06/2001 [08:00 PM-09:00 PM]	0	1	2	2	0	0	0	0	0	0	1	0	0	0	0	6
11/06/2001 [09:00 PM-10:00 PM]	0	3	1	3	0	0	0	0	0	0	0	0	0	0	0	7
11/06/2001 [10:00 PM-11:00 PM]	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
11/06/2001 [11:00 PM-12:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Daily Totals:	0		31		9		0		0		1		0		1	
		18		22		7		0		0		0		0		89

11/07/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [01:00 AM-02:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [06:00 AM-07:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
11/07/2001 [07:00 AM-08:00 AM]	0	0	2	0	1	0	2	0	0	0	0	0	0	0	0	5
11/07/2001 [08:00 AM-09:00 AM]	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5
11/07/2001 [09:00 AM-10:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [10:00 AM-11:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [11:00 AM-12:00 PM]	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
11/07/2001 [12:00 PM-01:00 PM]	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [01:00 PM-02:00 PM]	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [02:00 PM-03:00 PM]	0	0	0	2	0	3	0	0	1	0	0	0	0	0	0	6
11/07/2001 [03:00 PM-04:00 PM]	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	10
11/07/2001 [04:00 PM-05:00 PM]	0	5	6	6	2	0	0	0	1	0	0	0	0	0	1	21
11/07/2001 [05:00 PM-06:00 PM]	0	1	3	4	1	0	0	0	2	0	0	0	0	0	1	12
11/07/2001 [06:00 PM-07:00 PM]	0	1	1	3	2	0	0	0	1	0	0	0	0	0	0	8
11/07/2001 [07:00 PM-08:00 PM]	0	1	2	3	1	0	0	0	0	0	0	0	0	0	1	8
11/07/2001 [08:00 PM-09:00 PM]	0	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5
11/07/2001 [09:00 PM-10:00 PM]	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [10:00 PM-11:00 PM]	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4

Time/Speed Report

HI-Star ID: 2183	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: E.B. Pleasant@Martha	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 226
County: DUPAGE	AADT Factor: 1	AADT Count: 113

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/07/2001 [11:00 PM-12:00 AM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
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Daily Totals:	0	16	24	43	12	3	2	0	5	0	0	0	0	0	4	109
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11/08/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [01:00 AM-02:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [02:00 AM-03:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [04:00 AM-05:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [06:00 AM-07:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [07:00 AM-08:00 AM]	0	0	6	0	0	1	1	0	0	0	0	0	0	0	0	8
11/08/2001 [08:00 AM-09:00 AM]	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
11/08/2001 [09:00 AM-10:00 AM]	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	5
11/08/2001 [10:00 AM-11:00 AM]	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4

Daily Totals:	0	3	13	2	4	1	1	0	0	0	0	0	0	0	0	24
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Report Totals:	0	37	68	67	25	11	3	0	5	0	1	0	0	0	5	222
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Report Percentages:	0.00%	30.63%	11.26%	1.35%	2.25%	0.45%	0.00%	2.25%	16.67%	30.18%	4.95%	0.00%	0.00%	0.00%	0.00%
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**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: LOMBARD
 Street: W.B. Pleasant@Martha**

A study of vehicle traffic was conducted with HI-STAR unit number 6784. The study was done in the lane on W.B. Pleasant@Martha in LOMBARD, IL in DUPAGE county. The study began on 11/06/2001 at 11:00 AM and concluded on 11/08/2001 at 11:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 152 vehicles passed through the location with a peak volume of 13 on 11/07/2001 at 04:00 PM and a minimum volume of 0 on 11/06/2001 at 10:00 PM. The AADT Count for this study was 76.

SPEED

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

Chart 1

0 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 59	60 to 64	65 to 69	70 to 74	75 >
0	15	31	49	32	18	2	1	1	0	0	0	1	0	1

At least half of the vehicles were traveling in the 21 - 25 mph range or a lower speed. The average speed for all classified vehicles was 22 mph with 15.8 percent exceeding the posted speed of 30 mph. The HI-STAR found 15.8 percent of the total vehicles were traveling in excess of 30 mph. The mode speed for this traffic study was 21 mph and the 85th percentile was 26.88 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
135	11	5	0	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 146 which represents 96.70 percent of the total classified vehicles. The number of Small Trucks in the study was 5 which represents 3.30 percent of the total classified vehicles. The number of Trucks/Busses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 11/07/2001 at 04:00 PM the average headway between the vehicles was 257.14 seconds. The slowest traffic period was on 11/06/2001 at 10:00 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 46 and 76 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 6784 Street: W.B. Pleasant@Martha State: IL City: LOMBARD County: DUPAGE	Begin: 11/06/2001 11:00 AM Lane: Oper: EP Posted: 30 AADT Factor: 1	End: 11/08/2001 11:00 AM Hours: 48:00 Period: 60 Raw Count: 152 AADT Count: 76
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NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/06/2001 [11:00 AM-12:00 PM]	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3
11/06/2001 [12:00 PM-01:00 PM]	0	2	5	2	0	2	0	0	0	0	0	0	0	0	0	11
11/06/2001 [01:00 PM-02:00 PM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
11/06/2001 [02:00 PM-03:00 PM]	0	1	2	1	2	0	1	0	0	0	0	0	0	0	0	7
11/06/2001 [03:00 PM-04:00 PM]	0	0	2	3	0	1	0	0	0	0	0	0	0	0	0	6
11/06/2001 [04:00 PM-05:00 PM]	0	0	1	2	2	1	0	0	0	0	0	0	1	0	0	7
11/06/2001 [05:00 PM-06:00 PM]	0	0	1	1	2	0	0	0	1	0	0	0	0	0	0	5
11/06/2001 [06:00 PM-07:00 PM]	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
11/06/2001 [07:00 PM-08:00 PM]	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
11/06/2001 [08:00 PM-09:00 PM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
11/06/2001 [09:00 PM-10:00 PM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
11/06/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/06/2001 [11:00 PM-12:00 AM]	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2

Daily Totals:	0	7	15	12	10	5	1	0	1	0	0	0	1	0	0	52
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11/07/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
11/07/2001 [06:00 AM-07:00 AM]	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
11/07/2001 [07:00 AM-08:00 AM]	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	6
11/07/2001 [08:00 AM-09:00 AM]	0	0	1	2	2	0	1	0	0	0	0	0	0	0	0	6
11/07/2001 [09:00 AM-10:00 AM]	0	0	0	1	0	2	0	1	0	0	0	0	0	0	0	4
11/07/2001 [10:00 AM-11:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [11:00 AM-12:00 PM]	0	0	0	5	2	1	0	0	0	0	0	0	0	0	0	8
11/07/2001 [12:00 PM-01:00 PM]	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
11/07/2001 [01:00 PM-02:00 PM]	0	1	1	2	0	1	0	0	0	0	0	0	0	0	0	5
11/07/2001 [02:00 PM-03:00 PM]	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [03:00 PM-04:00 PM]	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [04:00 PM-05:00 PM]	0	1	5	4	2	1	0	0	0	0	0	0	0	0	0	13
11/07/2001 [05:00 PM-06:00 PM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
11/07/2001 [06:00 PM-07:00 PM]	0	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
11/07/2001 [07:00 PM-08:00 PM]	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
11/07/2001 [08:00 PM-09:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [10:00 PM-11:00 PM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3

Time/Speed Report

HI-Star ID: 6784	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: W.B. Pleasant@Martha	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 152
County: DUPAGE	AADT Factor: 1	AADT Count: 76

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/07/2001 [11:00 PM-12:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Daily Totals: 0 14 16 1 0 0 0 0 0 0 1 77

 6 28 10 1 0 0 0 0 0 0 1

11/08/2001 [12:00 AM-01:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [01:00 AM-02:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [02:00 AM-03:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [03:00 AM-04:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [04:00 AM-05:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [05:00 AM-06:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [06:00 AM-07:00 AM] 0 1 0 2 1 1 0 0 0 0 0 0 0 0 0 0 5

11/08/2001 [07:00 AM-08:00 AM] 0 0 1 1 4 1 0 0 0 0 0 0 0 0 0 0 7

11/08/2001 [08:00 AM-09:00 AM] 0 1 0 3 1 1 0 0 0 0 0 0 0 0 0 0 6

11/08/2001 [09:00 AM-10:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11/08/2001 [10:00 AM-11:00 AM] 0 0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 4

Daily Totals: 0 2 6 0 0 0 0 0 0 0 0 22

 2 9 3 0 0 0 0 0 0 0 0

Report Totals: 0 31 32 2 1 0 1 1 1 151

 15 49 18 1 0 0 0 0 0

Report Percentages: 0.00% 20.53% 21.19% 1.32% 0.66% 0.00% 0.66% 0.66%

 9.93% 32.45% 11.92% 0.66% 0.00% 0.00% 0.00%

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: N.B. Martha@Pleasant**

A study of vehicle traffic was conducted with HI-STAR unit number 7961. The study was done in the lane on N.B. Martha@Pleasant in LOMBARD, IL in DUPAGE county. The study began on 11/06/2001 at 11:00 AM and concluded on 11/08/2001 at 11:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 148 vehicles passed through the location with a peak volume of 14 on 11/06/2001 at 03:00 PM and a minimum volume of 0 on 11/06/2001 at 07:00 PM. The AADT Count for this study was 74.

SPEED

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

Chart 1

0	11	16	21	26	31	36	41	46	51	56	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	>
10	15	20	25	30	35	40	45	50	55	59	64	69	74	
0	15	80	27	11	6	0	1	5	0	0	0	0	0	1

At least half of the vehicles were traveling in the 16 - 20 mph range or a lower speed. The average speed for all classified vehicles was 19 mph with 8.90 percent exceeding the posted speed of 30 mph. The HI-STAR found 8.90 percent of the total vehicles were traveling in excess of 30 mph. The mode speed for this traffic study was 16 mph and the 85th percentile was 22.45 mph.

CLASSIFICATION

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

Chart 2

0	21	28	40	50	60	69	81
to	to	to	to	to	to	to	>
20	27	39	49	59	68	80	
121	9	6	9	0	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 130 which represents 89.00 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 4.10 percent of the total classified vehicles. The number of Trucks/Busses in the study was 9 which represents 6.20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.70 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 11/06/2001 at 03:00 PM the average headway between the vehicles was 240.0 seconds. The slowest traffic period was on 11/06/2001 at 07:00 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 48 and 72 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 7961	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: N.B. Martha@Pleasant	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 148
County: DUPAGE	AADT Factor: 1	AADT Count: 74

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/06/2001 [11:00 AM-12:00 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/06/2001 [12:00 PM-01:00 PM]	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
11/06/2001 [01:00 PM-02:00 PM]	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
11/06/2001 [02:00 PM-03:00 PM]	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	5
11/06/2001 [03:00 PM-04:00 PM]	0	1	11	2	0	0	0	0	0	0	0	0	0	0	0	14
11/06/2001 [04:00 PM-05:00 PM]	0	1	3	4	0	0	0	0	0	0	0	0	0	0	0	8
11/06/2001 [05:00 PM-06:00 PM]	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5
11/06/2001 [06:00 PM-07:00 PM]	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	5
11/06/2001 [07:00 PM-08:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/06/2001 [08:00 PM-09:00 PM]	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
11/06/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
11/06/2001 [10:00 PM-11:00 PM]	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
11/06/2001 [11:00 PM-12:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Daily Totals: 0 5 39 8 0 2 0 5 0 0 0 0 0 1 60

11/07/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
11/07/2001 [06:00 AM-07:00 AM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [07:00 AM-08:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [08:00 AM-09:00 AM]	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	7
11/07/2001 [09:00 AM-10:00 AM]	0	0	3	0	2	0	0	1	0	0	0	0	0	0	0	6
11/07/2001 [10:00 AM-11:00 AM]	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	4
11/07/2001 [11:00 AM-12:00 PM]	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [12:00 PM-01:00 PM]	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [01:00 PM-02:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [02:00 PM-03:00 PM]	0	1	8	0	0	0	0	0	0	0	0	0	0	0	0	9
11/07/2001 [03:00 PM-04:00 PM]	0	1	0	8	1	0	0	0	0	0	0	0	0	0	0	10
11/07/2001 [04:00 PM-05:00 PM]	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [05:00 PM-06:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [06:00 PM-07:00 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [07:00 PM-08:00 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [08:00 PM-09:00 PM]	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [09:00 PM-10:00 PM]	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Time/Speed Report

HI-Star ID: 7961	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: N.B. Martha@Pleasant	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 148
County: DUPAGE	AADT Factor: 1	AADT Count: 74

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		

11/07/2001 [11:00 PM-12:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
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Daily Totals:	0	6	32	16	8	3	0	1	0	0	0	0	0	0	0	66
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11/08/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [05:00 AM-06:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [06:00 AM-07:00 AM]	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	3
11/08/2001 [07:00 AM-08:00 AM]	0	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
11/08/2001 [08:00 AM-09:00 AM]	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	7
11/08/2001 [09:00 AM-10:00 AM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
11/08/2001 [10:00 AM-11:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily Totals:	0	4	9	3	3	1	0	0	0	0	0	0	0	0	0	20
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Report Totals:	0	15	80	27	11	6	0	1	5	0	0	0	0	0	1	146
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Report Percentages:	0.00%	54.79%	7.53%	0.00%	3.42%	0.00%	0.00%	0.68%	10.27%	18.49%	4.11%	0.68%	0.00%	0.00%	0.00%	
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**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: S.B. Martha@Pleasant**

A study of vehicle traffic was conducted with HI-STAR unit number 799. The study was done in the lane on S.B. Martha@Pleasant in LOMBARD, IL in DUPAGE county. The study began on 11/06/2001 at 11:00 AM and concluded on 11/08/2001 at 11:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 198 vehicles passed through the location with a peak volume of 18 on 11/07/2001 at 04:00 PM and a minimum volume of 0 on 11/06/2001 at 11:00 PM. The AADT Count for this study was 99.

SPEED

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

Chart 1

0 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 59	60 to 64	65 to 69	70 to 74	75 >
0	53	105	17	11	3	0	1	2	1	1	0	1	0	0

At least half of the vehicles were traveling in the 16 - 20 mph range or a lower speed. The average speed for all classified vehicles was 17 mph with 4.62 percent exceeding the posted speed of 30 mph. The HI-STAR found 4.62 percent of the total vehicles were traveling in excess of 30 mph. The mode speed for this traffic study was 16 mph and the 85th percentile was 18.78 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
167	17	9	1	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 184 which represents 94.40 percent of the total classified vehicles. The number of Small Trucks in the study was 9 which represents 4.60 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 0.50 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.50 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 11/07/2001 at 04:00 PM the average headway between the vehicles was 189.47 seconds. The slowest traffic period was on 11/06/2001 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 50 and 74 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 799 Street: S.B. Martha@Pleasant State: IL City: LOMBARD County: DUPAGE	Begin: 11/06/2001 11:00 AM Lane: Oper: EP Posted: 30 AADT Factor: 1	End: 11/08/2001 11:00 AM Hours: 48:00, Period: 60 Raw Count: 198 AADT Count: 99
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NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		
11/06/2001 [11:00 AM-12:00 PM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
11/06/2001 [12:00 PM-01:00 PM]	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	5
11/06/2001 [01:00 PM-02:00 PM]	0	2	1	2	2	0	0	0	0	0	0	0	0	0	0	7
11/06/2001 [02:00 PM-03:00 PM]	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6
11/06/2001 [03:00 PM-04:00 PM]	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	9
11/06/2001 [04:00 PM-05:00 PM]	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
11/06/2001 [05:00 PM-06:00 PM]	0	4	10	1	0	0	0	0	0	0	0	0	0	0	0	15
11/06/2001 [06:00 PM-07:00 PM]	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
11/06/2001 [07:00 PM-08:00 PM]	0	2	4	0	0	1	0	0	0	0	0	0	0	0	0	7
11/06/2001 [08:00 PM-09:00 PM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
11/06/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
11/06/2001 [10:00 PM-11:00 PM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
11/06/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Totals:	0		43		3		0		0		1		0		0	
		18		6		2		0		0		0		0		73
11/07/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [05:00 AM-06:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [06:00 AM-07:00 AM]	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [07:00 AM-08:00 AM]	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [08:00 AM-09:00 AM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [09:00 AM-10:00 AM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
11/07/2001 [10:00 AM-11:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11/07/2001 [11:00 AM-12:00 PM]	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	3
11/07/2001 [12:00 PM-01:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [01:00 PM-02:00 PM]	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
11/07/2001 [02:00 PM-03:00 PM]	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	6
11/07/2001 [03:00 PM-04:00 PM]	0	5	9	0	0	1	0	0	0	0	0	0	0	0	0	15
11/07/2001 [04:00 PM-05:00 PM]	0	6	8	2	1	0	0	0	1	0	0	0	0	0	0	18
11/07/2001 [05:00 PM-06:00 PM]	0	2	5	1	2	0	0	0	0	0	0	0	0	0	0	10
11/07/2001 [06:00 PM-07:00 PM]	0	1	7	1	0	0	0	0	0	0	0	0	0	0	0	9
11/07/2001 [07:00 PM-08:00 PM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
11/07/2001 [08:00 PM-09:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11/07/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Time/Speed Report

HI-Star ID: 799	Begin: 11/06/2001 11:00 AM	End: 11/08/2001 11:00 AM
Street: S.B. Martha@Pleasant	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 198
County: DUPAGE	AADT Factor: 1	AADT Count: 99

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	10	15	20	25	30	35	40	45	50	55	59	64	69	74		
11/07/2001 [11:00 PM-12:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Daily Totals:	0		51		4		0		1		0		0		0	
		24		8		1		0		1		0		0		90
11/08/2001 [12:00 AM-01:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2001 [05:00 AM-06:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11/08/2001 [06:00 AM-07:00 AM]	0	2	0	1	0	0	0	1	0	0	0	0	1	0	0	5
11/08/2001 [07:00 AM-08:00 AM]	0	3	0	1	3	0	0	0	0	0	0	0	0	0	0	7
11/08/2001 [08:00 AM-09:00 AM]	0	4	7	0	1	0	0	0	0	0	0	0	0	0	0	12
11/08/2001 [09:00 AM-10:00 AM]	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
11/08/2001 [10:00 AM-11:00 AM]	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Daily Totals:	0		11		4		0		1		0		1		0	
		11		3		0		1		0		0		0		32
Report Totals:	0		105		11		0		2		1		1		0	
		53		17		3		1		1		0		0		195
Report Percentages:	0.00%	53.85%	5.64%	0.00%	1.03%	0.51%	0.51%	0.00%	1.03%	0.51%	0.51%	0.00%	0.00%	0.00%	0.00%	
		27.18%	8.72%	1.54%	0.51%	0.51%	0.00%	0.00%	0.51%	0.51%	0.00%	0.00%	0.00%	0.00%	0.00%	