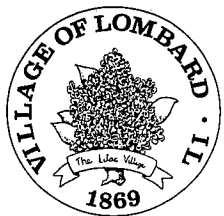


010689



To: Stan Rickard, Public Works Director

From: John Johnson, Technical Services Supervisor

Date: September 21, 2001

Subject: Request for Multi-way Stop at Harrison Rd. and Edson Ave.

I received a call from Mr. Donald Gorski at 349 W. Harrison Rd. requesting a 4-way stop at the above intersection. Mr. Gorski cited many accidents at this intersection.

Attached for your review is a drawing showing a few sight distance restrictions, traffic analyzer reports and accident reports from January 2000 through September 2001.

The drawing shows a few sight problems that could contribute to all the right angle collision accidents. The combination of higher speeds on Harrison Rd. and sight restrictions may not provide sufficient time for the driver on Edson Ave. to execute a turn or through movement. At speeds of 30 MPH the driver on Edson Ave. needs at least 130 feet of clear sight distance to cross over Harrison Rd. As speeds increase more sight distance is needed to safely cross Harrison Rd. Harrison Rd. and Edson Ave. is a bus stop for the local children to be picked-up for school.

The traffic analyzer reports show 175 plus vehicles are traveling in an excess of 41 MPH. The percentage of vehicles exceeding the speed of 30 MPH is 39% for eastbound and 66% for westbound Harrison Rd. Harrison Rd. has an ADT (Average Daily Total) of approximately 1800 vehicles.

In cases where traffic is heavy, it is acceptable to stop the heavier flow of traffic to allow side street traffic to cross. On the bases of the above information I would recommend that Harrison Rd. and Edson Ave. be converted to a multi-way stop intersection.

cc: Richard Soderstrom, Trustee - District 6
 Richard Tross, Trustee - District 2
 Mr. Donald Gorski, 349 W. Harrison Rd.
 Transportation and Safety Committee

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: E.B. Harrison at Edson**

A study of vehicle traffic was conducted with HI-STAR unit number 884. The study was done in the lane on E.B. Harrison at Edson in LOMBARD, IL in DUPAGE county. The study began on 08/28/2001 at 09:00 AM and concluded on 08/30/2001 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 1,917 vehicles passed through the location with a peak volume of 97 on 08/29/2001 at 05:00 PM and a minimum volume of 1 on 08/29/2001 at 04:00 AM. The AADT Count for this study was 959.

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	81	132	316	642	502	138	42	18	13	4	13	0	6	4

At least half of the vehicles were traveling in the 26 - 30 mph range or a lower speed. The average speed for all classified vehicles was 27 mph with 38.7 percent exceeding the posted speed of 30 mph. The HI-STAR found 1.41 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 26 mph and the 85th percentile was 31.02 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 >
1766	89	43	8	4	0	1	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,855 which represents 97.10 percent of the total classified vehicles. The number of Small Trucks in the study was 43 which represents 2.30 percent of the total classified vehicles. The number of Trucks/Busses in the study was 8 which represents 0.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 5 which represents 0.30 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/29/2001 at 05:00 PM the average headway between the vehicles was 36.73 seconds. The slowest traffic period was on 08/29/2001 at 04:00 AM. During this slowest period, the average headway was 1800.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 66 and 91 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 884	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: E.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 1917
County: DUPAGE	AADT Factor: 1	AADT Count: 959

NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75		Total
Date & Time Range	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			
08/28/2001 [09:00 AM-10:00 AM]	0	4	4	6	15	10	1	1	0	0	0	1	0	0	0		42
08/28/2001 [10:00 AM-11:00 AM]	0	4	2	6	15	12	2	0	0	0	0	0	0	1	0		42
08/28/2001 [11:00 AM-12:00 PM]	0	2	10	12	24	15	5	0	0	0	0	0	0	0	0		68
08/28/2001 [12:00 PM-01:00 PM]	0	3	7	12	16	9	4	2	1	1	0	0	0	0	0		55
08/28/2001 [01:00 PM-02:00 PM]	0	0	3	10	28	13	5	1	0	0	0	0	0	0	0		60
08/28/2001 [02:00 PM-03:00 PM]	0	2	0	14	14	6	7	1	1	4	1	1	0	0	0		51
08/28/2001 [03:00 PM-04:00 PM]	0	2	5	25	23	4	4	0	0	1	0	0	0	0	0		64
08/28/2001 [04:00 PM-05:00 PM]	0	3	8	25	23	15	1	0	1	0	0	0	0	2	0		78
08/28/2001 [05:00 PM-06:00 PM]	0	0	6	7	29	19	9	3	1	1	0	0	0	0	1		76
08/28/2001 [06:00 PM-07:00 PM]	0	4	9	9	13	17	4	5	1	1	1	0	0	0	0		64
08/28/2001 [07:00 PM-08:00 PM]	0	5	1	10	18	19	5	0	0	0	0	1	0	0	0		59
08/28/2001 [08:00 PM-09:00 PM]	0	0	3	4	12	9	2	3	1	1	0	0	0	0	0		35
08/28/2001 [09:00 PM-10:00 PM]	0	0	3	6	13	8	1	1	0	0	1	1	0	0	0		34
08/28/2001 [10:00 PM-11:00 PM]	0	1	4	4	4	7	2	1	2	0	0	0	0	0	1		26
08/28/2001 [11:00 PM-12:00 AM]	0	0	0	3	7	3	1	0	0	0	0	0	0	0	0		14
Daily Totals:	0	30	65	153	254	166	53	18	8	9	3	4	0	3	2	768	
08/29/2001 [12:00 AM-01:00 AM]	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0		5
08/29/2001 [01:00 AM-02:00 AM]	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0		3
08/29/2001 [02:00 AM-03:00 AM]	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0		2
08/29/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0		3
08/29/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		1
08/29/2001 [05:00 AM-06:00 AM]	0	0	0	2	0	7	2	1	0	0	0	0	0	0	0		12
08/29/2001 [06:00 AM-07:00 AM]	0	1	3	11	19	14	7	0	0	0	0	0	0	0	0		55
08/29/2001 [07:00 AM-08:00 AM]	0	3	5	15	27	21	5	2	0	0	0	0	0	0	0		78
08/29/2001 [08:00 AM-09:00 AM]	0	3	4	4	22	20	4	2	3	0	0	0	0	1	1		64
08/29/2001 [09:00 AM-10:00 AM]	0	3	1	2	12	22	3	0	0	0	0	0	0	0	0		43
08/29/2001 [10:00 AM-11:00 AM]	0	3	1	4	26	13	3	1	0	0	0	1	0	0	0		52
08/29/2001 [11:00 AM-12:00 PM]	0	4	3	5	20	15	4	1	1	0	0	1	0	0	0		54
08/29/2001 [12:00 PM-01:00 PM]	0	3	3	6	19	9	1	0	0	0	0	0	0	0	0		41
08/29/2001 [01:00 PM-02:00 PM]	0	1	2	7	20	16	3	1	1	0	0	0	0	0	0		51
08/29/2001 [02:00 PM-03:00 PM]	0	2	8	17	20	21	6	0	1	0	0	0	0	0	0		75
08/29/2001 [03:00 PM-04:00 PM]	0	2	3	6	25	18	7	1	0	1	0	1	0	1	0		65
08/29/2001 [04:00 PM-05:00 PM]	0	6	3	13	23	24	5	2	1	0	0	1	0	0	0		78
08/29/2001 [05:00 PM-06:00 PM]	0	5	9	23	26	20	4	7	0	0	0	2	0	0	0		96
08/29/2001 [06:00 PM-07:00 PM]	0	1	3	8	15	11	3	0	1	0	1	0	0	0	0		43
08/29/2001 [07:00 PM-08:00 PM]	0	1	0	6	15	12	5	2	0	1	0	1	0	0	0		43
08/29/2001 [08:00 PM-09:00 PM]	0	1	5	3	18	7	2	0	0	0	0	0	0	0	0		36

Time/Speed Report

HI-Star ID: 884	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: E.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 1917
County: DUPAGE	AADT Factor: 1	AADT Count: 959

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		

08/29/2001 [09:00 PM-10:00 PM]	0	2	5	10	12	5	0	0	0	0	0	0	0	0	0	34
08/29/2001 [10:00 PM-11:00 PM]	0	2	1	1	12	11	0	0	0	0	0	0	0	0	0	27
08/29/2001 [11:00 PM-12:00 AM]	0	4	3	4	7	0	0	1	0	0	0	0	0	0	0	19

Daily Totals:	0		62		341		66		9		1		0		1	
		47		149		272		21		2		7		2		980

08/30/2001 [12:00 AM-01:00 AM]	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
08/30/2001 [01:00 AM-02:00 AM]	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
08/30/2001 [02:00 AM-03:00 AM]	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
08/30/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
08/30/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
08/30/2001 [05:00 AM-06:00 AM]	0	0	0	0	1	7	1	0	0	0	0	0	0	0	0	9
08/30/2001 [06:00 AM-07:00 AM]	0	1	1	2	15	20	7	0	0	1	0	2	0	0	1	50
08/30/2001 [07:00 AM-08:00 AM]	0	2	2	4	21	25	7	2	1	1	0	0	0	0	0	65
08/30/2001 [08:00 AM-09:00 AM]	0	1	2	8	5	6	3	1	0	0	0	0	0	1	0	27

Daily Totals:	0		5		47		19		1		0		0		1	
		4		14		64		3		2		2		1		163

Report Totals:	0		132		642		138		18		4		0		4	
		81		316		502		42		13		13		6		1911

Report Percentages:	0.00%	6.91%	33.59%	7.22%	0.94%	0.21%	0.00%	0.21%
	4.24%	16.54%	26.27%	2.20%	0.68%	0.68%	0.31%	

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: W.B. Harrison at Edson**

A study of vehicle traffic was conducted with HI-STAR unit number 9248. The study was done in the lane on W.B. Harrison at Edson in LOMBARD, IL in DUPAGE county. The study began on 08/28/2001 at 09:00 AM and concluded on 08/30/2001 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 1,667 vehicles passed through the location with a peak volume of 88 on 08/28/2001 at 05:00 PM and a minimum volume of 1 on 08/29/2001 at 02:00 AM. The AADT Count for this study was 834.

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 >
23	6	67	128	337	655	336	69	17	6	0	0	2	0	0

At least half of the vehicles were traveling in the 31 - 35 mph range or a lower speed. The average speed for all classified vehicles was 30 mph with 65.9 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.12 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 31 mph and the 85th percentile was 34.22 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 >
1474	19	68	59	20	4	1	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,493 which represents 90.70 percent of the total classified vehicles. The number of Small Trucks in the study was 68 which represents 4.10 percent of the total classified vehicles. The number of Trucks/Busses in the study was 59 which represents 3.60 percent of the total classified vehicles. The number of Tractor Trailers in the study was 26 which represents 1.60 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/28/2001 at 05:00 PM the average headway between the vehicles was 40.45 seconds. The slowest traffic period was on 08/29/2001 at 02:00 AM. During this slowest period, the average headway was 1800.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 66 and 103 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 9248 Street: W.B. Harrison at Edson State: IL City: LOMBARD County: DUPAGE	Begin: 08/28/2001 09:00 AM Lane: Oper: EP Posted: 30 AADT Factor: 1	End: 08/30/2001 09:00 AM Hours: 48:00 Period: 60 Raw Count: 1667 AADT Count: 834
--	---	--

NC90A - 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		

08/28/2001 [09:00 AM-10:00 AM]	0	0	0	1	5	14	8	2	0	0	0	0	0	0	0	30
08/28/2001 [10:00 AM-11:00 AM]	1	0	1	2	1	9	5	1	0	0	0	0	0	0	0	20
08/28/2001 [11:00 AM-12:00 PM]	0	0	2	3	8	29	6	2	0	0	0	0	0	0	0	50
08/28/2001 [12:00 PM-01:00 PM]	2	0	3	4	12	31	7	0	0	0	0	0	0	0	0	59
08/28/2001 [01:00 PM-02:00 PM]	0	1	2	4	11	22	5	0	0	0	0	0	0	0	0	45
08/28/2001 [02:00 PM-03:00 PM]	0	0	0	2	13	26	6	0	0	0	0	0	0	0	0	47
08/28/2001 [03:00 PM-04:00 PM]	0	0	2	3	33	29	17	1	0	0	0	0	0	0	0	85
08/28/2001 [04:00 PM-05:00 PM]	1	0	3	16	19	38	9	1	0	0	0	0	0	0	0	87
08/28/2001 [05:00 PM-06:00 PM]	1	0	3	6	14	34	25	4	0	0	0	0	0	0	0	87
08/28/2001 [06:00 PM-07:00 PM]	2	0	3	2	12	11	9	4	0	0	0	0	0	0	0	43
08/28/2001 [07:00 PM-08:00 PM]	2	0	1	3	10	11	6	1	0	0	0	0	0	0	0	34
08/28/2001 [08:00 PM-09:00 PM]	1	0	1	2	11	9	3	0	0	0	0	0	0	0	0	27
08/28/2001 [09:00 PM-10:00 PM]	0	0	1	2	7	3	9	0	0	1	0	0	0	0	0	23
08/28/2001 [10:00 PM-11:00 PM]	0	0	1	0	3	7	9	2	0	0	0	0	0	0	0	22
08/28/2001 [11:00 PM-12:00 AM]	0	0	0	0	1	2	7	0	0	0	0	0	0	0	0	10

Daily Totals:	10		23		160		131		0		0		0		0	
		1		50		275		18		1		0		0		669

08/29/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
08/29/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
08/29/2001 [02:00 AM-03:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
08/29/2001 [04:00 AM-05:00 AM]	0	0	1	0	1	0	0	2	0	0	0	0	0	0	0	4
08/29/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	5	7	0	0	0	0	0	0	0	0	12
08/29/2001 [06:00 AM-07:00 AM]	0	0	1	2	5	9	11	2	5	0	0	0	1	0	0	36
08/29/2001 [07:00 AM-08:00 AM]	1	0	2	5	6	21	19	6	3	2	0	0	1	0	0	66
08/29/2001 [08:00 AM-09:00 AM]	2	0	1	2	7	29	12	2	1	0	0	0	0	0	0	56
08/29/2001 [09:00 AM-10:00 AM]	1	0	0	0	6	10	9	0	1	0	0	0	0	0	0	27
08/29/2001 [10:00 AM-11:00 AM]	1	0	1	0	3	12	2	1	0	0	0	0	0	0	0	20
08/29/2001 [11:00 AM-12:00 PM]	1	1	2	3	1	11	5	1	0	0	0	0	0	0	0	25
08/29/2001 [12:00 PM-01:00 PM]	0	0	1	3	5	25	11	1	1	0	0	0	0	0	0	47
08/29/2001 [01:00 PM-02:00 PM]	0	0	0	2	2	12	8	5	0	0	0	0	0	0	0	29
08/29/2001 [02:00 PM-03:00 PM]	0	0	5	1	11	24	14	3	0	0	0	0	0	0	0	58
08/29/2001 [03:00 PM-04:00 PM]	1	0	3	3	13	26	7	2	2	0	0	0	0	0	0	57
08/29/2001 [04:00 PM-05:00 PM]	0	1	2	6	16	31	6	2	1	0	0	0	0	0	0	65
08/29/2001 [05:00 PM-06:00 PM]	1	0	4	6	24	22	13	5	0	1	0	0	0	0	0	76
08/29/2001 [06:00 PM-07:00 PM]	0	0	5	4	7	25	13	3	1	0	0	0	0	0	0	58
08/29/2001 [07:00 PM-08:00 PM]	1	0	2	4	8	9	6	0	0	0	0	0	0	0	0	30
08/29/2001 [08:00 PM-09:00 PM]	0	1	2	5	12	9	2	0	0	0	0	0	0	0	0	31

Time/Speed Report

HI-Star ID: 9248	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: W.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 1667
County: DUPAGE	AADT Factor: 1	AADT Count: 834

NC90A - 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		

08/29/2001 [09:00 PM-10:00 PM]	1	0	0	1	13	6	3	0	0	0	0	0	0	0	0	24
08/29/2001 [10:00 PM-11:00 PM]	0	0	0	10	5	3	3	0	0	0	0	0	0	0	0	21
08/29/2001 [11:00 PM-12:00 AM]	0	0	1	5	2	2	4	1	1	0	0	0	0	0	0	16

Daily Totals:	10		33		148		159		16		0		2		0	
		3		62		296		36		3		0		0		768

08/30/2001 [12:00 AM-01:00 AM]	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7
08/30/2001 [01:00 AM-02:00 AM]	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	4
08/30/2001 [02:00 AM-03:00 AM]	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
08/30/2001 [03:00 AM-04:00 AM]	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	3
08/30/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
08/30/2001 [05:00 AM-06:00 AM]	0	0	0	0	3	5	5	0	1	1	0	0	0	0	0	15
08/30/2001 [06:00 AM-07:00 AM]	0	1	1	1	4	17	11	3	0	0	0	0	0	0	0	38
08/30/2001 [07:00 AM-08:00 AM]	1	1	1	4	5	35	18	5	0	0	0	0	0	0	0	70
08/30/2001 [08:00 AM-09:00 AM]	2	0	8	11	13	21	7	5	0	1	0	0	0	0	0	68

Daily Totals:	3		11		29		46		1		0		0		0	
		2		16		84		15		2		0		0		209

Report Totals:	23		67		337		336		17		0		2		0	
		6		128		655		69		6		0		0		1646

Report Percentages:	1.40%		4.07%		20.47%		20.41%		1.03%		0.00%		0.12%		0.00%	
		0.36%		7.78%		39.79%		4.19%		0.36%		0.00%		0.00%		

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: N.B. Edson at Harrison**

A study of vehicle traffic was conducted with HI-STAR unit number 9136. The study was done in the lane on N.B. Edson at Harrison in LOMBARD, IL in DUPAGE county. The study began on 08/28/2001 at 09:00 AM and concluded on 08/30/2001 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 515 vehicles passed through the location with a peak volume of 40 on 08/29/2001 at 07:00 AM and a minimum volume of 0 on 08/29/2001 at 02:00 AM. The AADT Count for this study was 258.

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	1	17	77	224	97	11	0	0	0	0	0	0	0	0

At least half of the vehicles were traveling in the 26 - 30 mph range or a lower speed. The average speed for all classified vehicles was 26 mph with 25.2 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 26 mph and the 85th percentile was 28.77 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	
416	3	8	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 419 which represents 98.10 percent of the total classified vehicles. The number of Small Trucks in the study was 8 which represents 1.90 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 08/29/2001 at 07:00 AM the average headway between the vehicles was 87.8 seconds. The slowest traffic period was on 08/29/2001 at 02:00 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 70 and 119 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 9136	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: N.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 515
County: DUPAGE	AADT Factor: 1	AADT Count: 258

NC90A - 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		
08/28/2001 [09:00 AM-10:00 AM]	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	6
08/28/2001 [10:00 AM-11:00 AM]	0	0	1	1	6	2	0	0	0	0	0	0	0	0	0	10
08/28/2001 [11:00 AM-12:00 PM]	0	0	0	1	9	2	1	0	0	0	0	0	0	0	0	13
08/28/2001 [12:00 PM-01:00 PM]	0	0	2	1	8	1	1	0	0	0	0	0	0	0	0	13
08/28/2001 [01:00 PM-02:00 PM]	0	0	0	2	6	5	0	0	0	0	0	0	0	0	0	13
08/28/2001 [02:00 PM-03:00 PM]	0	0	1	1	5	2	0	0	0	0	0	0	0	0	0	9
08/28/2001 [03:00 PM-04:00 PM]	0	0	0	0	6	3	1	0	0	0	0	0	0	0	0	10
08/28/2001 [04:00 PM-05:00 PM]	0	0	1	5	9	3	0	0	0	0	0	0	0	0	0	18
08/28/2001 [05:00 PM-06:00 PM]	0	0	2	3	4	5	1	0	0	0	0	0	0	0	0	15
08/28/2001 [06:00 PM-07:00 PM]	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0	7
08/28/2001 [07:00 PM-08:00 PM]	0	0	2	2	4	2	1	0	0	0	0	0	0	0	0	11
08/28/2001 [08:00 PM-09:00 PM]	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	7
08/28/2001 [09:00 PM-10:00 PM]	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
08/28/2001 [10:00 PM-11:00 PM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
08/28/2001 [11:00 PM-12:00 AM]	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
Daily Totals:	0	0	10	24	75	26	5	0	0	0	0	0	0	0	0	140
08/29/2001 [12:00 AM-01:00 AM]	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
08/29/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/2001 [05:00 AM-06:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [06:00 AM-07:00 AM]	0	0	0	3	5	4	0	0	0	0	0	0	0	0	0	12
08/29/2001 [07:00 AM-08:00 AM]	0	0	0	5	19	11	1	0	0	0	0	0	0	0	0	36
08/29/2001 [08:00 AM-09:00 AM]	0	0	0	4	10	7	1	0	0	0	0	0	0	0	0	22
08/29/2001 [09:00 AM-10:00 AM]	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7
08/29/2001 [10:00 AM-11:00 AM]	0	0	0	1	6	1	0	0	0	0	0	0	0	0	0	8
08/29/2001 [11:00 AM-12:00 PM]	0	0	1	1	7	3	0	0	0	0	0	0	0	0	0	12
08/29/2001 [12:00 PM-01:00 PM]	0	0	2	1	4	1	0	0	0	0	0	0	0	0	0	8
08/29/2001 [01:00 PM-02:00 PM]	0	0	2	3	2	2	0	0	0	0	0	0	0	0	0	9
08/29/2001 [02:00 PM-03:00 PM]	0	0	1	1	3	2	0	0	0	0	0	0	0	0	0	7
08/29/2001 [03:00 PM-04:00 PM]	0	0	0	7	14	10	0	0	0	0	0	0	0	0	0	31
08/29/2001 [04:00 PM-05:00 PM]	0	0	1	2	9	3	0	0	0	0	0	0	0	0	0	15
08/29/2001 [05:00 PM-06:00 PM]	0	1	0	3	12	6	1	0	0	0	0	0	0	0	0	23
08/29/2001 [06:00 PM-07:00 PM]	0	0	0	3	7	3	0	0	0	0	0	0	0	0	0	13
08/29/2001 [07:00 PM-08:00 PM]	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	9
08/29/2001 [08:00 PM-09:00 PM]	0	0	0	2	4	0	1	0	0	0	0	0	0	0	0	7

Time/Speed Report

HI-Star ID: 9136 Street: N.B. Edson at Harrison State: IL City: LOMBARD County: DUPAGE	Begin: 08/28/2001 09:00 AM Lane: Oper: EP Posted: 30 AADT Factor: 1	End: 08/30/2001 09:00 AM Hours: 48:00 Period: 60 Raw Count: 515 AADT Count: 258
--	---	---

NC90A - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75		Total
Date & Time Range	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			

08/29/2001 [09:00 PM-10:00 PM]	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
08/29/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [11:00 PM-12:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Daily Totals:	0		7		115		4		0		0		0		0		227
		1		43		57		0		0		0		0			227

08/30/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [01:00 AM-02:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [05:00 AM-06:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2001 [06:00 AM-07:00 AM]	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
08/30/2001 [07:00 AM-08:00 AM]	0	0	0	6	22	6	1	0	0	0	0	0	0	0	0	0	35
08/30/2001 [08:00 AM-09:00 AM]	0	0	0	4	8	6	0	0	0	0	0	0	0	0	0	0	18

Daily Totals:	0		0		34		2		0		0		0		0		60
		0		10		14		0		0		0		0			60

Report Totals:	0		17		224		11		0		0		0		0		427
		1		77		97		0		0		0		0			427

Report Percentages:	0.00%	3.98%	52.46%	2.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.23%	18.03%	22.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: S.B. Edson at Harrison**

A study of vehicle traffic was conducted with HI-STAR unit number 2262. The study was done in the lane on S.B. Edson at Harrison in LOMBARD, IL in DUPAGE county. The study began on 08/28/2001 at 09:00 AM and concluded on 08/30/2001 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 727 vehicles passed through the location with a peak volume of 41 on 08/28/2001 at 12:00 PM and a minimum volume of 0 on 08/29/2001 at 04:00 AM. The AADT Count for this study was 364.

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	5	74	281	279	69	7	2	4	0	0	3	0	1	2

At least half of the vehicles were traveling in the 26 - 30 mph range or a lower speed. The average speed for all classified vehicles was 24 mph with 12.1 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.83 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 21 mph and the 85th percentile was 26.12 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 >
685	31	8	2	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 716 which represents 98.50 percent of the total classified vehicles. The number of Small Trucks in the study was 8 which represents 1.10 percent of the total classified vehicles. The number of Trucks/Busses in the study was 2 which represents 0.30 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/28/2001 at 12:00 PM the average headway between the vehicles was 85.71 seconds. The slowest traffic period was on 08/29/2001 at 04:00 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 66 and 107 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2262	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: S.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 727
County: DUPAGE	AADT Factor: 1	AADT Count: 364

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		
08/28/2001 [09:00 AM-10:00 AM]	0	0	0	4	5	1	0	0	0	0	0	0	0	0	0	10
08/28/2001 [10:00 AM-11:00 AM]	0	0	3	7	4	1	0	0	0	0	0	0	0	0	0	15
08/28/2001 [11:00 AM-12:00 PM]	0	0	2	19	15	1	0	0	0	0	0	0	0	0	0	37
08/28/2001 [12:00 PM-01:00 PM]	0	0	5	11	19	6	0	0	0	0	0	0	0	0	0	41
08/28/2001 [01:00 PM-02:00 PM]	0	0	3	5	6	1	0	0	0	0	0	0	0	0	0	15
08/28/2001 [02:00 PM-03:00 PM]	0	0	2	12	11	6	3	1	0	0	0	0	0	0	0	35
08/28/2001 [03:00 PM-04:00 PM]	0	0	2	8	9	1	0	0	1	0	0	0	0	0	0	21
08/28/2001 [04:00 PM-05:00 PM]	0	1	2	9	10	2	0	0	0	0	0	0	0	0	1	25
08/28/2001 [05:00 PM-06:00 PM]	0	0	3	15	7	4	2	0	1	0	0	0	0	0	0	32
08/28/2001 [06:00 PM-07:00 PM]	0	0	3	8	7	4	0	0	0	0	0	0	0	0	0	22
08/28/2001 [07:00 PM-08:00 PM]	0	0	1	6	2	1	0	0	0	0	0	0	0	0	0	10
08/28/2001 [08:00 PM-09:00 PM]	0	0	1	2	9	4	0	0	0	0	0	0	0	0	0	16
08/28/2001 [09:00 PM-10:00 PM]	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
08/28/2001 [10:00 PM-11:00 PM]	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
08/28/2001 [11:00 PM-12:00 AM]	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Daily Totals:	0	1	27	110	5	2	0	0	0	0	0	0	0	0	1	288
08/29/2001 [12:00 AM-01:00 AM]	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
08/29/2001 [01:00 AM-02:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [02:00 AM-03:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [03:00 AM-04:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/29/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/2001 [05:00 AM-06:00 AM]	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
08/29/2001 [06:00 AM-07:00 AM]	0	0	1	7	6	1	0	0	0	0	0	1	0	0	0	16
08/29/2001 [07:00 AM-08:00 AM]	0	1	4	13	18	0	0	0	0	0	0	1	0	0	0	37
08/29/2001 [08:00 AM-09:00 AM]	0	0	2	12	14	3	0	0	0	0	0	0	0	0	0	31
08/29/2001 [09:00 AM-10:00 AM]	0	0	0	2	4	3	0	0	0	0	0	0	0	0	0	9
08/29/2001 [10:00 AM-11:00 AM]	0	0	6	5	3	0	0	0	0	0	0	0	0	0	0	14
08/29/2001 [11:00 AM-12:00 PM]	0	1	2	5	7	2	0	0	0	0	0	0	0	0	0	17
08/29/2001 [12:00 PM-01:00 PM]	0	0	1	6	5	2	0	0	1	0	0	0	0	1	0	16
08/29/2001 [01:00 PM-02:00 PM]	0	0	0	5	8	1	0	0	0	0	0	0	0	0	0	14
08/29/2001 [02:00 PM-03:00 PM]	0	1	4	9	7	3	1	0	0	0	0	0	0	0	0	25
08/29/2001 [03:00 PM-04:00 PM]	0	0	4	15	7	3	0	0	0	0	0	0	0	0	0	29
08/29/2001 [04:00 PM-05:00 PM]	0	0	2	8	11	0	0	0	0	0	0	0	0	0	0	21
08/29/2001 [05:00 PM-06:00 PM]	0	0	2	15	11	5	0	0	1	0	0	0	0	0	0	34
08/29/2001 [06:00 PM-07:00 PM]	0	1	4	10	13	3	0	0	0	0	0	0	0	0	0	31
08/29/2001 [07:00 PM-08:00 PM]	0	0	0	10	8	0	0	0	0	0	0	0	0	0	0	18
08/29/2001 [08:00 PM-09:00 PM]	0	0	2	8	7	4	0	0	0	0	0	1	0	0	0	22

Time/Speed Report

HI-Star ID: 2262	Begin: 08/28/2001 09:00 AM	End: 08/30/2001 09:00 AM
Street: S.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: LOMBARD	Posted: 30	Raw Count: 727
County: DUPAGE	AADT Factor: 1	AADT Count: 364

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		
08/29/2001 [09:00 PM-10:00 PM]	0	0	0	5	4	1	0	0	0	0	0	0	0	0	0	10
08/29/2001 [10:00 PM-11:00 PM]	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
08/29/2001 [11:00 PM-12:00 AM]	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	4
Daily Totals:	0		34		142		1		2		0		0		1	
		4		144		31		0		0		3		1		363
08/30/2001 [12:00 AM-01:00 AM]	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
08/30/2001 [01:00 AM-02:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/30/2001 [04:00 AM-05:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2001 [05:00 AM-06:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08/30/2001 [06:00 AM-07:00 AM]	0	0	5	4	7	0	0	0	0	0	0	0	0	0	0	16
08/30/2001 [07:00 AM-08:00 AM]	0	0	6	11	12	3	0	0	0	0	0	0	0	0	0	32
08/30/2001 [08:00 AM-09:00 AM]	0	0	2	10	7	1	1	0	0	0	0	0	0	0	0	21
Daily Totals:	0		13		27		1		0		0		0		0	
		0		30		5		0		0		0		0		76
Report Totals:	0		74		279		7		4		0		0		2	
		5		281		69		2		0		3		1		727
Report Percentages:	0.00%	10.18%	38.38%	0.96%	0.55%	0.00%	0.00%	0.28%								
		0.69%	38.65%	9.49%	0.28%	0.00%	0.41%	0.14%								

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: N.B. Edson at Harrison**

A study of vehicle traffic was conducted with HI-STAR unit number 6779. The study was done in the lane on N.B. Edson at Harrison in Lombard, IL in DuPage county. The study began on 02/13/2001 at 11:00 AM and concluded on 02/15/2001 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 646 vehicles passed through the location with a peak volume of 41 on 02/14/2001 at 05:00 PM and a minimum volume of 0 on 02/14/2001 at 03:00 AM. The AADT Count for this study was 323.

SPEED

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

Chart 1

0 to 22	23 to 24	25 to 27	28 to 29	30 to 32	33 to 34	35 to 37	38 to 39	40 to 42	43 to 44	45 to 47	48 to 49	50 to 52	53 to 53	54 >
592	8	7	2	1	0	3	1	0	0	1	0	0	0	3

At least half of the vehicles were traveling in the 22 - 22 mph range or a lower speed. The average speed for all classified vehicles was 22 mph with 1.29 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 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 20.02 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 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 70	71 >
567	42	6	1	0	1	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 609 which represents 98.50 percent of the total classified vehicles. The number of Small Trucks in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 7 which represents 1.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 0.30 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 02/14/2001 at 05:00 PM the average headway between the vehicles was 85.71 seconds. The slowest traffic period was on 02/14/2001 at 03:00 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 29 and 46 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 41.67 percent of the time.

Time/Speed Report

HI-Star ID: 6779	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: N.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 646
County: DuPage	AADT Factor: 1	AADT Count: 323

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	Total
Date & Time Range	to 22	to 24	to 27	to 29	to 32	to 34	to 37	to 39	to 42	to 44	to 47	to 49	to 52	to 53	>	

02/14/2001 [11:00 PM-12:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Daily Totals:	316		4		1		3		0		0		0		2	
		3		1		0		0		0		0		0		330
02/15/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/15/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/15/2001 [02:00 AM-03:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02/15/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/15/2001 [04:00 AM-05:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02/15/2001 [05:00 AM-06:00 AM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
02/15/2001 [06:00 AM-07:00 AM]	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	15
02/15/2001 [07:00 AM-08:00 AM]	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
02/15/2001 [08:00 AM-09:00 AM]	17	0	1	0	0	0	0	1	0	0	0	0	0	0	0	19
02/15/2001 [09:00 AM-10:00 AM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
02/15/2001 [10:00 AM-11:00 AM]	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Daily Totals:	85		1		0		0		0		0		0		0	
		2		1		0		1		0		0		0		90
Report Totals:	592		7		1		3		0		1		0		3	
		8		2		0		1		0		0		0		618
Report Percentages:	95.79%	1.13%	0.16%	0.49%	0.00%	0.16%	0.00%	0.16%	0.00%	0.49%						
		1.29%	0.32%	0.00%	0.16%	0.00%	0.00%	0.00%	0.00%							

Time/Speed Report

HI-Star ID: 6779	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: N.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 646
County: DuPage	AADT Factor: 1	AADT Count: 323

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		
02/13/2001 [11:00 AM-12:00 PM]	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
02/13/2001 [12:00 PM-01:00 PM]	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
02/13/2001 [01:00 PM-02:00 PM]	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
02/13/2001 [02:00 PM-03:00 PM]	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24
02/13/2001 [03:00 PM-04:00 PM]	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	21
02/13/2001 [04:00 PM-05:00 PM]	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
02/13/2001 [05:00 PM-06:00 PM]	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31
02/13/2001 [06:00 PM-07:00 PM]	17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18
02/13/2001 [07:00 PM-08:00 PM]	15	0	1	0	0	0	0	0	0	0	1	0	0	0	0	17
02/13/2001 [08:00 PM-09:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
02/13/2001 [09:00 PM-10:00 PM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
02/13/2001 [10:00 PM-11:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
02/13/2001 [11:00 PM-12:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Daily Totals:	191	3	2	0	0	0	0	0	0	0	1	0	0	0	1	198
02/14/2001 [12:00 AM-01:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [02:00 AM-03:00 AM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02/14/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [04:00 AM-05:00 AM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
02/14/2001 [05:00 AM-06:00 AM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
02/14/2001 [06:00 AM-07:00 AM]	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
02/14/2001 [07:00 AM-08:00 AM]	34	0	2	0	0	0	1	0	0	0	0	0	0	0	0	37
02/14/2001 [08:00 AM-09:00 AM]	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
02/14/2001 [09:00 AM-10:00 AM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
02/14/2001 [10:00 AM-11:00 AM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
02/14/2001 [11:00 AM-12:00 PM]	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	16
02/14/2001 [12:00 PM-01:00 PM]	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
02/14/2001 [01:00 PM-02:00 PM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
02/14/2001 [02:00 PM-03:00 PM]	28	0	0	1	0	0	1	0	0	0	0	0	0	0	1	31
02/14/2001 [03:00 PM-04:00 PM]	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
02/14/2001 [04:00 PM-05:00 PM]	29	1	1	0	0	0	1	0	0	0	0	0	0	0	0	32
02/14/2001 [05:00 PM-06:00 PM]	39	0	0	0	1	0	0	0	0	0	0	0	0	0	0	40
02/14/2001 [06:00 PM-07:00 PM]	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
02/14/2001 [07:00 PM-08:00 PM]	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
02/14/2001 [08:00 PM-09:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
02/14/2001 [09:00 PM-10:00 PM]	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
02/14/2001 [10:00 PM-11:00 PM]	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: S.B. Edson at Harrison**

A study of vehicle traffic was conducted with HI-STAR unit number 7961. The study was done in the lane on S.B. Edson at Harrison in Lombard, IL in DuPage county. The study began on 02/13/2001 at 11:00 AM and concluded on 02/15/2001 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 580 vehicles passed through the location with a peak volume of 47 on 02/14/2001 at 07:00 AM and a minimum volume of 0 on 02/14/2001 at 01:00 AM. The AADT Count for this study was 290.

SPEED

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

Chart 1

0 to 22	23 to 24	25 to 27	28 to 29	30 to 32	33 to 34	35 to 37	38 to 39	40 to 42	43 to 44	45 to 47	48 to 49	50 to 52	53 to 53	54 >
414	9	6	0	3	1	1	0	0	3	0	1	1	0	2

At least half of the vehicles were traveling in the 22 - 22 mph range or a lower speed. The average speed for all classified vehicles was 23 mph with 2.04 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 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 20.42 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 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 70 ^	71 >
327	101	10	1	1	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 428 which represents 97.10 percent of the total classified vehicles. The number of Small Trucks in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 11 which represents 2.50 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 0.50 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 02/14/2001 at 07:00 AM the average headway between the vehicles was 75.0 seconds. The slowest traffic period was on 02/14/2001 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 29 and 48 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: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: S.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 580
County: DuPage	AADT Factor: 1	AADT Count: 290

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		
02/13/2001 [11:00 AM-12:00 PM]	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
02/13/2001 [12:00 PM-01:00 PM]	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
02/13/2001 [01:00 PM-02:00 PM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
02/13/2001 [02:00 PM-03:00 PM]	8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9
02/13/2001 [03:00 PM-04:00 PM]	31	0	0	0	1	0	0	0	0	0	0	1	0	0	0	33
02/13/2001 [04:00 PM-05:00 PM]	19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	20
02/13/2001 [05:00 PM-06:00 PM]	18	1	0	0	0	0	1	0	0	0	0	0	0	0	0	20
02/13/2001 [06:00 PM-07:00 PM]	13	7	1	0	0	0	0	0	0	0	0	0	0	0	0	21
02/13/2001 [07:00 PM-08:00 PM]	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
02/13/2001 [08:00 PM-09:00 PM]	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
02/13/2001 [09:00 PM-10:00 PM]	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6
02/13/2001 [10:00 PM-11:00 PM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02/13/2001 [11:00 PM-12:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Daily Totals:	132		2		1		1		0		0		0		0	
		9		0		0		0		1		1		0		147
02/14/2001 [12:00 AM-01:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [05:00 AM-06:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [06:00 AM-07:00 AM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
02/14/2001 [07:00 AM-08:00 AM]	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
02/14/2001 [08:00 AM-09:00 AM]	16	0	0	0	0	1	0	0	0	0	0	0	0	0	1	18
02/14/2001 [09:00 AM-10:00 AM]	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
02/14/2001 [10:00 AM-11:00 AM]	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
02/14/2001 [11:00 AM-12:00 PM]	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
02/14/2001 [12:00 PM-01:00 PM]	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
02/14/2001 [01:00 PM-02:00 PM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
02/14/2001 [02:00 PM-03:00 PM]	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
02/14/2001 [03:00 PM-04:00 PM]	22	0	0	0	0	0	0	0	0	1	0	0	0	0	1	24
02/14/2001 [04:00 PM-05:00 PM]	16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17
02/14/2001 [05:00 PM-06:00 PM]	27	0	0	0	1	0	0	0	0	0	0	0	1	0	0	29
02/14/2001 [06:00 PM-07:00 PM]	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
02/14/2001 [07:00 PM-08:00 PM]	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
02/14/2001 [08:00 PM-09:00 PM]	13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	14
02/14/2001 [09:00 PM-10:00 PM]	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
02/14/2001 [10:00 PM-11:00 PM]	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

Time/Speed Report

HI-Star ID: 7961	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: S.B. Edson at Harrison	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 580
County: DuPage	AADT Factor: 1	AADT Count: 290

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		

02/14/2001 [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: 211 1 2 0 0 0 0 1 0 1 0 2

 0 0 1 0 1 0 0 0 219

02/15/2001 [12:00 AM-01:00 AM] 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1

02/15/2001 [01:00 AM-02:00 AM] 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2

02/15/2001 [02:00 AM-03:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

02/15/2001 [03:00 AM-04:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

02/15/2001 [04:00 AM-05:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

02/15/2001 [05:00 AM-06:00 AM] 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2

02/15/2001 [06:00 AM-07:00 AM] 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5

02/15/2001 [07:00 AM-08:00 AM] 33 0 3 0 0 0 0 0 0 1 0 0 0 0 0 0 37

02/15/2001 [08:00 AM-09:00 AM] 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 15

02/15/2001 [09:00 AM-10:00 AM] 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6

02/15/2001 [10:00 AM-11:00 AM] 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7

Daily Totals: 71 3 0 0 0 0 0 1 0 0 0 0

 0 0 0 0 0 0 1 0 0 0 75

Report Totals: 414 6 3 1 0 0 3 1 1 2

 9 0 1 0 3 1 0 441

Report Percentages: 93.88% 1.36% 0.68% 0.23% 0.00% 0.00% 0.23% 0.45%

 2.04% 0.00% 0.23% 0.00% 0.68% 0.23% 0.00%

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: E.B. Harrison at Edson**

A study of vehicle traffic was conducted with HI-STAR unit number 8230. The study was done in the lane on E.B. Harrison at Edson in Lombard, IL in DuPage county. The study began on 02/13/2001 at 11:00 AM and concluded on 02/15/2001 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 1,621 vehicles passed through the location with a peak volume of 89 on 02/13/2001 at 05:00 PM and a minimum volume of 0 on 02/15/2001 at 03:00 AM. The AADT Count for this study was 811.

SPEED

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

Chart 1

0 to 22	23 to 24	25 to 27	28 to 29	30 to 32	33 to 34	35 to 37	38 to 39	40 to 42	43 to 44	45 to 47	48 to 49	50 to 52	53 to 53	54 >
244	93	236	193	320	159	160	55	52	23	22	10	12	2	31

At least half of the vehicles were traveling in the 30 - 32 mph range or a lower speed. The average speed for all classified vehicles was 30 mph with 32.6 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 30 mph and the 85th percentile was 35.07 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 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 70	71 >
1426	145	32	6	3	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,571 which represents 97.50 percent of the total classified vehicles. The number of Small Trucks in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 38 which represents 2.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 3 which represents 0.20 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 02/13/2001 at 05:00 PM the average headway between the vehicles was 40.0 seconds. The slowest traffic period was on 02/15/2001 at 03:00 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 29 and 46 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 8230	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: E.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 1621
County: DuPage	AADT Factor: 1	AADT Count: 811

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		

02/13/2001 [11:00 AM-12:00 PM]	6	2	9	4	10	1	3	2	3	1	1	0	1	0	0	43
02/13/2001 [12:00 PM-01:00 PM]	2	1	7	9	6	2	1	0	2	2	2	0	0	0	1	35
02/13/2001 [01:00 PM-02:00 PM]	1	2	4	2	3	3	3	2	3	1	0	0	0	0	1	25
02/13/2001 [02:00 PM-03:00 PM]	10	6	8	7	7	4	1	0	1	0	1	3	0	0	4	52
02/13/2001 [03:00 PM-04:00 PM]	4	3	16	3	13	0	10	4	2	1	3	1	0	0	2	62
02/13/2001 [04:00 PM-05:00 PM]	13	1	11	11	16	12	13	2	1	2	1	0	0	0	0	83
02/13/2001 [05:00 PM-06:00 PM]	15	2	11	8	19	14	11	3	3	0	0	0	0	1	2	89
02/13/2001 [06:00 PM-07:00 PM]	10	6	14	9	11	8	5	1	1	1	1	1	0	0	2	70
02/13/2001 [07:00 PM-08:00 PM]	6	2	9	11	9	4	2	0	1	0	1	0	1	0	0	46
02/13/2001 [08:00 PM-09:00 PM]	1	1	3	4	11	7	5	0	0	0	0	0	0	0	1	33
02/13/2001 [09:00 PM-10:00 PM]	3	4	9	4	8	3	0	1	2	1	0	0	0	0	1	36
02/13/2001 [10:00 PM-11:00 PM]	2	1	1	2	4	3	3	1	0	0	1	0	0	0	0	18
02/13/2001 [11:00 PM-12:00 AM]	2	1	3	1	3	1	1	0	0	0	0	0	0	0	1	13

Daily Totals:	75	105	120	58	19	11	2	15								
		32	75	62	16	9	5	1								605

02/14/2001 [12:00 AM-01:00 AM]	1	0	2	0	1	2	0	0	0	0	1	0	0	0	0	7
02/14/2001 [01:00 AM-02:00 AM]	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4
02/14/2001 [02:00 AM-03:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [03:00 AM-04:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [04:00 AM-05:00 AM]	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	4
02/14/2001 [05:00 AM-06:00 AM]	0	0	0	1	0	1	2	1	0	0	0	0	0	0	0	5
02/14/2001 [06:00 AM-07:00 AM]	0	2	3	3	9	7	5	4	2	1	0	0	1	0	2	39
02/14/2001 [07:00 AM-08:00 AM]	9	0	8	8	12	9	8	3	3	1	1	0	0	0	0	62
02/14/2001 [08:00 AM-09:00 AM]	11	3	11	6	13	5	4	4	0	2	0	1	1	0	0	61
02/14/2001 [09:00 AM-10:00 AM]	6	3	6	3	9	5	2	1	0	0	0	0	1	0	1	37
02/14/2001 [10:00 AM-11:00 AM]	0	1	3	2	7	3	5	1	1	1	1	0	1	1	0	27
02/14/2001 [11:00 AM-12:00 PM]	7	3	8	5	9	1	3	1	1	0	0	0	0	0	1	39
02/14/2001 [12:00 PM-01:00 PM]	5	6	10	4	6	3	3	2	0	1	0	0	0	0	0	40
02/14/2001 [01:00 PM-02:00 PM]	5	2	4	1	10	5	5	1	1	1	1	0	1	0	1	38
02/14/2001 [02:00 PM-03:00 PM]	9	6	4	7	12	3	4	0	3	3	0	1	0	0	1	53
02/14/2001 [03:00 PM-04:00 PM]	5	5	2	7	7	4	3	0	2	0	1	1	0	0	1	38
02/14/2001 [04:00 PM-05:00 PM]	18	2	10	7	10	3	1	3	6	1	0	0	0	0	1	62
02/14/2001 [05:00 PM-06:00 PM]	14	5	9	5	12	6	7	4	1	0	0	0	1	0	1	65
02/14/2001 [06:00 PM-07:00 PM]	13	4	10	5	15	2	9	2	1	1	0	0	0	0	1	63
02/14/2001 [07:00 PM-08:00 PM]	4	1	5	7	7	3	4	1	1	0	1	0	0	0	0	34
02/14/2001 [08:00 PM-09:00 PM]	6	1	10	7	5	2	3	0	1	0	1	0	0	0	0	36
02/14/2001 [09:00 PM-10:00 PM]	2	1	4	2	6	1	2	0	0	0	0	0	0	0	2	20
02/14/2001 [10:00 PM-11:00 PM]	6	3	1	6	5	1	2	0	0	0	0	0	0	0	0	24

Time/Speed Report

HI-Star ID: 8230	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: E.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 1621
County: DuPage	AADT Factor: 1	AADT Count: 811

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		

02/14/2001 [11:00 PM-12:00 AM] 2 0 0 3 3 2 4 1 0 0 0 0 0 0 0 0 15

Daily Totals: 126 112 160 78 23 7 6 12

 48 89 69 29 12 3 1 775

02/15/2001 [12:00 AM-01:00 AM] 3 1 1 4 0 1 1 0 0 0 0 0 0 0 0 0 11

02/15/2001 [01:00 AM-02:00 AM] 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 3

02/15/2001 [02:00 AM-03:00 AM] 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 2

02/15/2001 [03:00 AM-04:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

02/15/2001 [04:00 AM-05:00 AM] 0 1 0 1 0 1 0 0 1 0 0 0 0 0 0 0 4

02/15/2001 [05:00 AM-06:00 AM] 0 2 1 0 6 1 1 1 1 0 1 0 0 0 0 0 14

02/15/2001 [06:00 AM-07:00 AM] 5 2 3 4 11 7 4 2 3 0 1 0 0 0 0 0 42

02/15/2001 [07:00 AM-08:00 AM] 11 2 4 10 14 10 11 4 3 1 2 0 0 0 0 1 73

02/15/2001 [08:00 AM-09:00 AM] 11 0 5 4 6 3 1 0 1 0 0 1 2 0 0 1 35

02/15/2001 [09:00 AM-10:00 AM] 3 2 0 4 2 2 3 3 0 1 0 1 2 0 0 1 24

02/15/2001 [10:00 AM-11:00 AM] 10 2 3 1 1 2 3 0 1 0 0 0 0 0 0 1 24

Daily Totals: 43 19 40 24 10 4 4 4

 13 29 28 10 2 2 0 232

Report Totals: 244 236 320 160 52 22 12 31

 93 193 159 55 23 10 2 1612

Report Percentages: 15.14% 14.64% 19.85% 9.93% 3.23% 1.36% 0.74% 1.92%

 5.77% 11.97% 9.86% 3.41% 1.43% 0.62% 0.12%

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: W.B. Harrison at Edson**

A study of vehicle traffic was conducted with HI-STAR unit number 6784. The study was done in the lane on W.B. Harrison at Edson in Lombard, IL in DuPage county. The study began on 02/13/2001 at 11:00 AM and concluded on 02/15/2001 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 1,334 vehicles passed through the location with a peak volume of 71 on 02/14/2001 at 04:00 PM and a minimum volume of 0 on 02/14/2001 at 03:00 AM. The AADT Count for this study was 667.

SPEED

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

Chart 1

0 to 22	23 to 24	25 to 27	28 to 29	30 to 32	33 to 34	35 to 37	38 to 39	40 to 42	43 to 44	45 to 47	48 to 49	50 to 52	53 to 53	54 >
131	46	123	154	317	170	199	69	64	27	13	5	.5	2	8

At least half of the vehicles were traveling in the 30 - 32 mph range or a lower speed. The average speed for all classified vehicles was 31 mph with 42.1 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 30 mph and the 85th percentile was 35.43 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 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 70	71 >
1234	77	18	2	0	1	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,311 which represents 98.30 percent of the total classified vehicles. The number of Small Trucks in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 20 which represents 1.50 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 0.20 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 02/14/2001 at 04:00 PM the average headway between the vehicles was 50.0 seconds. The slowest traffic period was on 02/14/2001 at 03:00 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 29 and 46 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	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: W.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 1334
County: DuPage	AADT Factor: 1	AADT Count: 667

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		
02/13/2001 [11:00 AM-12:00 PM]	1	0	2	1	7	5	6	4	3	2	0	0	0	0	0	31
02/13/2001 [12:00 PM-01:00 PM]	5	2	3	2	11	6	9	3	5	0	0	0	0	0	0	46
02/13/2001 [01:00 PM-02:00 PM]	4	2	5	3	6	3	1	2	4	0	0	0	0	0	0	30
02/13/2001 [02:00 PM-03:00 PM]	5	1	3	5	15	9	15	5	2	0	0	0	0	0	0	60
02/13/2001 [03:00 PM-04:00 PM]	2	0	6	4	13	4	7	4	4	1	2	0	0	0	1	48
02/13/2001 [04:00 PM-05:00 PM]	4	0	6	6	13	12	11	5	6	3	0	1	0	0	0	67
02/13/2001 [05:00 PM-06:00 PM]	7	2	8	4	7	10	9	2	0	2	3	0	2	0	2	58
02/13/2001 [06:00 PM-07:00 PM]	8	2	2	12	5	2	5	1	0	0	0	1	0	0	1	39
02/13/2001 [07:00 PM-08:00 PM]	6	2	9	3	6	5	4	1	2	0	0	0	0	0	0	38
02/13/2001 [08:00 PM-09:00 PM]	1	0	1	0	3	1	4	0	1	0	0	0	0	0	0	11
02/13/2001 [09:00 PM-10:00 PM]	2	1	2	0	4	5	4	1	0	1	0	0	1	0	0	21
02/13/2001 [10:00 PM-11:00 PM]	2	0	0	2	0	1	1	0	1	0	0	0	0	1	0	8
02/13/2001 [11:00 PM-12:00 AM]	1	1	1	3	0	2	0	0	0	0	0	0	0	0	0	8
Daily Totals:	48		48		90		76		28		5		3		4	
		13		45		65		28		9		2		1		465
02/14/2001 [12:00 AM-01:00 AM]	0	1	1	1	2	0	1	0	0	0	1	0	0	0	0	7
02/14/2001 [01:00 AM-02:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02/14/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
02/14/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2001 [04:00 AM-05:00 AM]	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3
02/14/2001 [05:00 AM-06:00 AM]	0	0	0	3	2	2	0	0	1	0	1	1	0	0	0	10
02/14/2001 [06:00 AM-07:00 AM]	0	0	2	5	11	4	5	3	0	0	0	1	0	0	0	31
02/14/2001 [07:00 AM-08:00 AM]	4	0	2	7	22	7	9	3	5	0	0	0	0	0	0	59
02/14/2001 [08:00 AM-09:00 AM]	6	0	4	6	13	6	2	2	0	0	0	0	0	0	0	39
02/14/2001 [09:00 AM-10:00 AM]	6	4	3	4	4	4	1	2	0	1	0	0	0	0	0	33
02/14/2001 [10:00 AM-11:00 AM]	1	2	1	4	2	1	6	2	2	0	1	0	0	0	1	23
02/14/2001 [11:00 AM-12:00 PM]	2	0	4	5	11	7	4	3	1	3	0	0	0	0	0	40
02/14/2001 [12:00 PM-01:00 PM]	4	1	1	8	7	6	7	2	1	0	0	0	0	0	0	37
02/14/2001 [01:00 PM-02:00 PM]	4	1	3	7	5	5	5	1	1	0	0	0	1	0	1	34
02/14/2001 [02:00 PM-03:00 PM]	6	1	1	3	22	2	5	1	2	0	1	0	0	1	0	45
02/14/2001 [03:00 PM-04:00 PM]	3	2	7	8	10	2	9	3	3	3	0	0	0	0	0	50
02/14/2001 [04:00 PM-05:00 PM]	8	2	7	9	17	7	9	3	7	1	0	1	0	0	0	71
02/14/2001 [05:00 PM-06:00 PM]	10	4	5	2	17	5	8	4	1	2	1	0	0	0	0	59
02/14/2001 [06:00 PM-07:00 PM]	6	3	5	6	9	3	7	1	1	0	0	0	0	0	0	41
02/14/2001 [07:00 PM-08:00 PM]	4	4	3	6	8	3	3	1	0	0	1	0	0	0	1	34
02/14/2001 [08:00 PM-09:00 PM]	2	2	1	2	4	0	2	1	0	0	0	0	0	0	0	14
02/14/2001 [09:00 PM-10:00 PM]	2	0	3	3	3	2	4	0	0	0	0	0	0	0	0	17
02/14/2001 [10:00 PM-11:00 PM]	0	0	2	1	7	0	1	1	3	0	0	0	0	0	1	16

Time/Speed Report

HI-Star ID: 6784	Begin: 02/13/2001 11:00 AM	End: 02/15/2001 11:00 AM
Street: W.B. Harrison at Edson	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 1334
County: DuPage	AADT Factor: 1	AADT Count: 667

NC97 - mph	0	23	25	28	30	33	35	38	40	43	45	48	50	53	54	
Date & Time Range	to	to	to	to	to	to	to	to	to	to	to	to	to	to	>	Total
	22	24	27	29	32	34	37	39	42	44	47	49	52	53		
02/14/2001 [11:00 PM-12:00 AM]	0	0	0	0	1	3	1	0	0	1	0	0	0	0	0	6
Daily Totals:	69		55		177		92		30		7		1		4	
		27		91		72		33		10		3		1		672
02/15/2001 [12:00 AM-01:00 AM]	0	0	0	0	1	1	1	3	0	0	0	0	0	0	0	6
02/15/2001 [01:00 AM-02:00 AM]	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
02/15/2001 [02:00 AM-03:00 AM]	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
02/15/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/15/2001 [04:00 AM-05:00 AM]	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	4
02/15/2001 [05:00 AM-06:00 AM]	0	0	1	1	7	1	2	0	0	1	0	0	1	0	0	14
02/15/2001 [06:00 AM-07:00 AM]	2	0	5	1	13	4	5	1	1	2	0	0	0	0	0	34
02/15/2001 [07:00 AM-08:00 AM]	2	3	5	3	10	6	9	0	5	2	1	0	0	0	0	46
02/15/2001 [08:00 AM-09:00 AM]	4	3	7	4	3	6	6	1	0	2	0	0	0	0	0	36
02/15/2001 [09:00 AM-10:00 AM]	1	0	1	4	7	8	4	2	0	0	0	0	0	0	0	27
02/15/2001 [10:00 AM-11:00 AM]	5	0	0	5	5	2	4	0	0	1	0	0	0	0	0	22
Daily Totals:	14		20		50		31		6		1		1		0	
		6		18		33		8		8		0		0		196
Report Totals:	131		123		317		199		64		13		5		8	
		46		154		170		69		27		5		2		1333
Report Percentages:	9.83%	9.23%	23.78%	14.93%	4.80%	0.98%	0.38%	0.60%								
		3.45%	11.55%	12.75%	5.18%	2.03%	0.38%	0.15%								