

To:

Stan Rickard, Director of Public Works

From:

John Johnson, Technical Services Supervisor

Date:

November 14, 2001

Subject:

Request for Multi-way Stop at LeMoyne and Charlotte

Attached for your review is a drawing of the area and traffic analyzer reports for LeMoyne and Charlotte. Traffic counts were taken for 48-hours during the week. Traffic counts were taken over a weekend to determine if cut-through traffic and/or speeding were problems during this period. Both counts produced low speeds and similar ADT (Average Daily Totals). It appears the bank located at LeMoyne and Main is not contributing to speeding or cut-through traffic in this area. The intersection of LeMoyne and Charlotte is free of obstructions giving the driver a good view of opposing traffic and pedestrians.

The following are the new guidelines as described in the Millennium Edition of the "Manual on Uniform Traffic Control Devices":

Support:

Multiway stop control can be useful as a safety measure at intersections if certain traffic conditions exist. Safety concerns associated with multiway stops include pedestrians, bicyclists, and all road users expecting other road users to stop. Multiway stop control is used where the volume of traffic on the intersecting roads is approximately equal.

The restrictions on the use of STOP signs described in Section 2B.05 also apply to multiway stop applications.

Guidance:

The decision to install multiway stop control should be based on an engineering study.

The following criteria should be considered in the engineering study for a multiway STOP sign installation:

A. Where traffic control signals are justified, the multiway stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.

- B. A crash problem, as indicated by 5 or more reported crashes in a 12-month period that are susceptible to correction by a multiway stop installation. Such crashes include right- and left-turn collisions as well as right-angle collisions.
- C. Minimum volumes:
- 1. The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least 300 vehicles per hour for any 8 hours of an average day, and
- 2. The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least 200 units per hour for the same 8 hours, with an average delay to minor-street vehicular traffic of at least 30 seconds per vehicle during the highest hour, but
- 3. If the 85th-percentile approach speed of the major-street traffic exceeds 65 km/h (40 mph), the minimum vehicular volume warrants are 70 percent of the above values.
- D. Where no single criterion is satisfied, but where Criteria B, C.1, and C.2 are all satisfied to 80 percent of the minimum values. Criterion C.3 is excluded from this condition.

Option:

Other criteria that may be considered in an engineering study include:

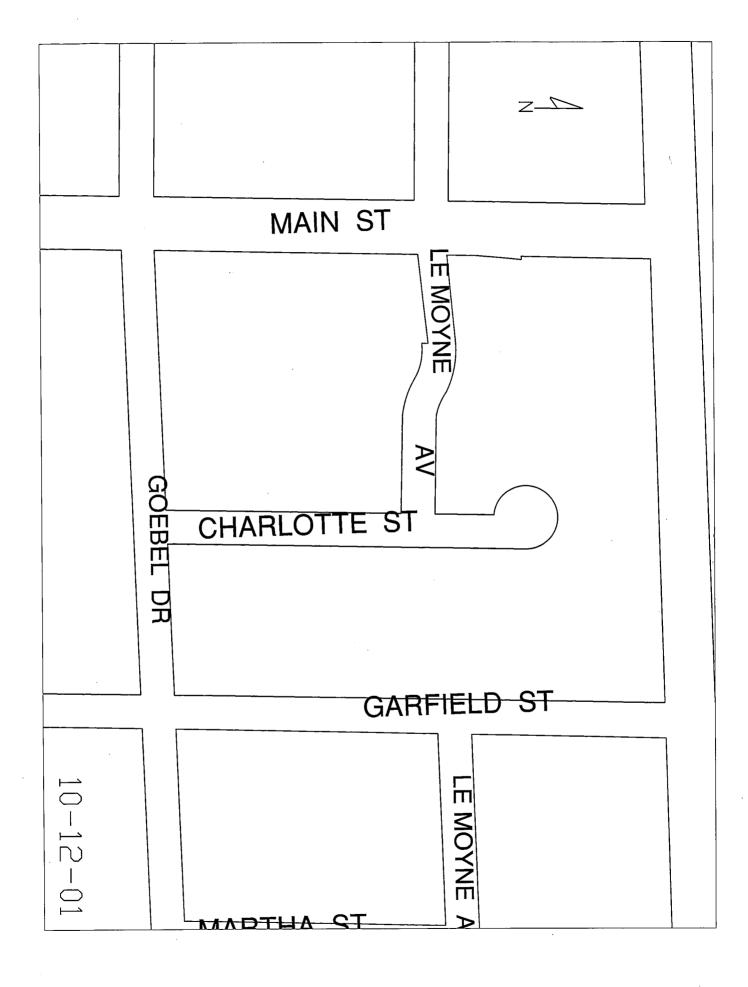
- A. The need to control left-turn conflicts;
- B. The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes;
- C. Locations where a road user, after stopping, cannot see conflicting traffic and is not able to safely negotiate the intersection unless conflicting cross traffic is also required to stop; and
- D. An intersection of two residential neighborhood collector (through) streets of similar design and operating characteristics where multiway stop control would improve traffic operational characteristics of the intersection.

Based on the above information, I would not recommend installing any type of traffic control device at LeMoyne and Charlotte at this time.

cc: Rick Stoderstrom, Trustee, District 6
Steven Sebby, Trustee, District 4
Ms. Jennifer Graham, 664 N. Charlotte St.
Transportation and Safety Committee

Residents of Providence Glen Subdivision that support stop sign at Charlotte and Le Moyne

NAME	ADDRESS	SIGNATURE
1. JENNIFER + RICH GRAHAM	COUT N. CHARLOTTE	And Shoh
2. MELINDA + JOE Walega	665 N. CHARLOTTE	Afan De
3. MATTE KIM BERBERTCH	661 N. Charlote 1	Walter
4. Paul memillan	653 N. Charlotte	I regille
5. Manish Garg	645 M. Charlotte	Cleary
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8 & Sarking	544 NChALLOTTES ST	John Saiking
9. Ry Kissi	648 n. Charlotte ST	
10. Kon Schulze	656 N CHARLOGIE ST	Je Sky
1h Roy Motz	676 N. CHARLOTTE	May Mot
12. R.A. RAGHUVIR	672, N. CHARLOTTE	RARIA.
13. Rehana Khanlodhi.	680. N. CHARLOTTE	Poie
14 Joe + Stephanie Bati	Kar 669 W. Charlotte	Joe Polo
15 Fashan Hydi	14 E LEMOYNE AV	bestran that
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17 Thoron denighen	15 E. Lemayne are	5 Nenghan
18. Janes Spotes	19 E Caproyne are 23 E. Lemoyne ave.	Janice Spataro
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20 Adina Solville	660 M Charlotte	Shless
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Street: N.B.Charlotte bet Goebel&Lemoyne

A study of vehicle traffic was conducted with HI-STAR unit number 884. The study was done in the lane on N.B.Charlotte bet Goebel&Lemoyne in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 86 vehicles passed through the location with a peak volume of 6 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 03:00 PM. The AADT Count for this study was 43.

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	20	19	24	10	5	2	1	3	1	0	0	0	0	0

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 14.1 percent exceeding the posted speed of 30 mph. The HI-STAR found 14.1 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 26.13 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 >
79	3	2	1	0	. 0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 82 which represents 96.50 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 2.40 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 1.20 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 10/02/2001 at 02:00 PM the average headway between the vehicles was 514.29 seconds. The slowest traffic period was on 10/02/2001 at 03:00 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 62 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 884]	Begir	n: 10	/02/2	2001	10:0	0 AN	1 E	End:	10/0	4/20	01 10):00 <i>A</i>	λM
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				AAD.			4					Cοι				
County: DUPAGE			•	AAD	ıra	انان. _					√ ∧∪ i	Cot	arit. 4	43		
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10/02/2001 [12:00 PM-01:00 PM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [01:00 PM-02:00 PM]	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
10/02/2001 [02:00 PM-03:00 PM]	0	2	0	2	0	1	0	0	1	0	0	0	0	0	0	6
10/02/2001 [03:00 PM-04:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [04:00 PM-05:00 PM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [05:00 PM-06:00 PM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [06:00 PM-07:00 PM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [07:00 PM-08:00 PM]	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [08:00 PM-09:00 PM]	0	1	3	0	0	0	0	0	0	0	0	0	. 0	0	0	4
10/02/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
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10/03/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
10/03/2001 [03:00 AM-04:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [04:00 AM-05:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	_	0	0
10/03/2001 [06:00 AM-07:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0		0	1
10/03/2001 [07:00 AM-08:00 AM]	0	1	0	4	1	0	0	0		0	0	0	0		0	6
10/03/2001 [08:00 AM-09:00 AM]		1	0	0	0	0	0	0	0	0	0	0	0	_	0	1
10/03/2001 [09:00 AM-10:00 AM]	0	0	1	1	0	1	0	0	0	0	0	0	•	_	0	3
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10/03/2001 [12:00 PM-01:00 PM]	0	0	0	0	0	0	0	0			0					0
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10/03/2001 [03:00 PM-04:00 PM]		0	1	1	1	1	0	0			0	0	0		0	4
10/03/2001 [04:00 PM-05:00 PM]		0	0	2	0	1	0	0			0	0			0	4
10/03/2001 [05:00 PM-06:00 PM]		0	1	0	0	0	0	0			0					3
10/03/2001 [06:00 PM-07:00 PM]		1	0	3	0	0	0	0			0	0			0	4
10/03/2001 [07:00 PM-08:00 PM]		0	1	0	0	0	0	0			0					1
10/03/2001 [08:00 PM-09:00 PM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2

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10/03/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [10:00 PM-11:00 PM] 10/03/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
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10/04/2001 [06:00 AM-07:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [07:00 AM-08:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [08:00 AM-09:00 AM]	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	3
10/04/2001 [09:00 AM-10:00 AM]	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Daily Totals:	(0		0		5		1		0		0		0	0	10
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Street: S.B.Charlotte bet Goebel&Lemoyne

A study of vehicle traffic was conducted with HI-STAR unit number 9248. The study was done in the lane on S.B.Charlotte bet Goebel&Lemoyne in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 159 vehicles passed through the location with a peak volume of 11 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 09:00 PM. The AADT Count for this study was 80.

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 >
Ì	10	1	36	66	40	5	0	0	0	0	0	0	0	0	0

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 3.16 percent exceeding the posted speed of 30 mph. The HI-STAR found 3.16 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 24.16 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 >
142	1	6	8	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 143 which represents 90.50 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 3.80 percent of the total classified vehicles. The number of Trucks/Busses in the study was 8 which represents 5.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.60 percent of the total classified vehicles

HEADWAY

During the peak time period, on 10/02/2001 at 02:00 PM the average headway between the vehicles was 300.0 seconds. The slowest traffic period was on 10/02/2001 at 09:00 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 62 and 101 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 9248				Beair	n: 10	/02/2	2001	10:0	0 AN	1 E	End:	10/0	4/20	01 10):00 A	M
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10/02/2001 [12:00 PM-01:00 PM]	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	8
10/02/2001 [01:00 PM-02:00 PM]	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [02:00 PM-03:00 PM]	1	0	3	5	1	1	0	0	0	0	0	0	0	0	0	11
10/02/2001 [03:00 PM-04:00 PM]	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [04:00 PM-05:00 PM]	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [05:00 PM-06:00 PM]	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [06:00 PM-07:00 PM]	0	0	1	5	2	0	0	0	0	0	0	0	0	0	0	8
10/02/2001 [07:00 PM-08:00 PM]		0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [08:00 PM-09:00 PM]	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [10:00 PM-11:00 PM]		0	1	0	0	0	0	. 0	0	. 0	0	. 0	0	0	0	1
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10/03/2001 [02:00 AM-03:00 AM]		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [03:00 AM-04:00 AM]	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [04:00 AM-05:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [05:00 AM-06:00 AM]	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [06:00 AM-07:00 AM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
10/03/2001 [07:00 AM-08:00 AM]	1	0	1	0	4	0	0	0	0	0	0	0	0	_	0	6
10/03/2001 [08:00 AM-09:00 AM]		0	0	0	2	1	0	0	0	0	0	0	0	-	0	3
10/03/2001 [09:00 AM-10:00 AM]	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
10/03/2001 [10:00 AM-11:00 AM]	0	0	0	3	2	0	0	0	0	0	0	0	0		. 0	5
10/03/2001 [11:00 AM-12:00 PM]	0	0	0	1	2	0	0	0	0	0	0		0			3
10/03/2001 [12:00 PM-01:00 PM]		0	3	1	1	0	0	0	0	0	0		0			5
10/03/2001 [01:00 PM-02:00 PM]		0	2	2	2	0	0	0	0	0	0	•	0			7
10/03/2001 [02:00 PM-03:00 PM]		0	1	3	2	0	0	0	0		0		0			6
10/03/2001 [03:00 PM-04:00 PM]		0	1	2	3	0	0	0	0		0		0	_		6
10/03/2001 [04:00 PM-05:00 PM]		0		6	2	0	0	0	0		0		0	_		9
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HI-Star ID: 9248 Street: S.B.Charlotte bet				Begir Lane	n: 10 :	/02/2	2001	10:0	0 AN		End: Hours			01 10	:00 A	M
Goebel&Lemoyne State: IL City: LOMBARD County: DUPAGE				Poste	: EP ed: 3 T Fac	0	1			F		Cour) nt: 15 unt: 8			
NC90A - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74	>	Total
10/03/2001 [09:00 PM-10:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [10:00 PM-11:00 PM] 10/03/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0 0
Daily Totals:	6) (14)	4 28	29 3		3) ()	0 ())) . (0	0 (0	80
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM]	0	0	0	1	0	0	0	0	0	0	0	. 0	0	0	0	1
10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [04:00 AM-05:00 AM]	0	0	1	1	0	0	0	. 0	0	0	. 0	0	0	. 0	0	0
10/04/2001 [05:00 AM-06:00 AM] 10/04/2001 [06:00 AM-07:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [07:00 AM-08:00 AM]	1	0	2	2	1	0	Ō	Ö	ō	0	ō	Ō	ō	Ō	ō	6
10/04/2001 [08:00 AM-09:00 AM]	Ó	1	2	1	1	0	0	0	0	0	. 0	0	0	0	0	5
10/04/2001 [09:00 AM-10:00 AM]	0	0	1	4	0	1	0	0	0	0	0	0	0	0	0	6
Daily Totals:	2	2	1	6	9	2	1	0	0	0	0	0	0	0 (0 C	21
Report Totals:	10		. 3		4(-		0		0		0		0	0	
Report Percentages:	6.33		1 22.78	6 % 2 41.77	25.32		5 0.00		0.00		0.00		0.00		0.00%	158 %

Street: W.B.Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 2262. The study was done in the lane on W.B.Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 111 vehicles passed through the location with a peak volume of 16 on 10/04/2001 at 09:00 AM and a minimum volume of 0 on 10/02/2001 at 04:00 PM. The AADT Count for this study was 56.

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	34	57	14	3	1	0	0	0	0	0	0	0	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 15 mph with 0.92 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.92 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 17.09 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 >
101	6	2	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 107 which represents 98.20 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 1.80 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 10/04/2001 at 09:00 AM the average headway between the vehicles was 211.76 seconds. The slowest traffic period was on 10/02/2001 at 04:00 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 60 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 2262	_			Begir		/02/2	2001	10:0	0 AN					01 10	:00 A	М
Street: W.B.Lemoyne bet				Lane	:					ŀ	Hours	3: 48	:00			
Main&Charlotte				O	. FD					-	Jaria.	ط. ۵۲	,			
State: IL				Oper							Perio					
City: LOMBARD				Poste							Raw					
County: DUPAGE				AAD ⁻	T Fac	ctor:	1				AADT	Cou	ınt: :	56		
NC97 - mph	0 to	11 to	16 to	21 to	26 to	31 to	36 to	41 to	46 to	51 to	56 to	60 to	65 to	70 to	75 >	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/02/2001 [10:00 AM-11:00 AM]	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [11:00 AM-12:00 PM]	0	1	0	0	0	0	.0	0	0	0	0	0	0	0	0	1
10/02/2001 [12:00 PM-01:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [01:00 PM-02:00 PM]	- 0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [02:00 PM-03:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [03:00 PM-04:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [04:00 PM-05:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [05:00 PM-06:00 PM]	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [06:00 PM-07:00 PM]	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [07:00 PM-08:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [08:00 PM-09:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [10:00 PM-11:00 PM]	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [11:00 PM-12:00 AM]	0	0	1	0	Q	0	0	0	0	0	0	0	0	0	0	1
Daily Totals:	(0	1:			1		0		0		0		0	0	
		,	9	,	5	(0		0		0		0	,	0	30
10/03/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
10/03/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
10/03/2001 [02:00 AM-03:00 AM]		0	0	0	0	0	0	0	0			0			0	1
10/03/2001 [03:00 AM-04:00 AM]		1	0	0	0	0	0	0	0			0			0	0
10/03/2001 [04:00 AM-05:00 AM]		0	0	0	0	0	0	0		_	0	0	_	_	0	1
10/03/2001 [05:00 AM-06:00 AM]		1	0	0	0	0	0	0	0		_	0	_	_	0	5
10/03/2001 [06:00 AM-07:00 AM]		1	4 0	0	0	0	0				-	0		_	0	1
10/03/2001 [07:00 AM-08:00 AM]		1	1	0 2	0	0	0	0	0			0			0	5
10/03/2001 [08:00 AM-09:00 AM]		2 2	2	2	1	0	0	_				_	_	_	0	7
10/03/2001 [09:00 AM-10:00 AM]		0	1	0	0	0	0	0	-	-	_	0	-	-	0	1
10/03/2001 [10:00 AM-11:00 AM]			4		0	0	0	0				0			0	6
10/03/2001 [11:00 AM-12:00 PM] 10/03/2001 [12:00 PM-01:00 PM]			1	0	0	0	0								0	2
10/03/2001 [12:00 PM-01:00 PM]		0	2		. 0	0	0					0			0	2
10/03/2001 [01:00 PM-02:00 PM]			1	0	0	0	0					0			0	1
10/03/2001 [02:00 PM-03:00 PM]			1	1	0	0	0					0			0	3
10/03/2001 [03:00 PM-04:00 PM]		3	1	0	0	0	0								0	4
10/03/2001 [04:00 PM-05:00 PM]					1	0	0								Ö	2
10/03/2001 [05:00 PM-07:00 PM]			4		Ó	1	0								Ö	5
10/03/2001 [00:00 PM-07:00 PM]			0		0	0	0								Ö	1
10/03/2001 [08:00 PM-09:00 PM]					ō										0	0

HI-Star ID: 2262 Street: W.B.Lemoyne bet Main&Charlotte				Begir Lane)/02/2	2001	10:0	O AN		End: Hours			01 10	:00 AI	M
State: IL					: EP						Perio		-			
City: LOMBARD County: DUPAGE					ed: 3 T Fa		1				Raw (AADT					
NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70 to	75 >	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	74	>	Total
10/03/2001 [09:00 PM-10:00 PM]	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [10:00 PM-11:00 PM] 10/03/2001 [11:00 PM-12:00 AM]	· 0 0	1 0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	1 0
Daily Totals:	C		2:			2		כ)	, (0 (0	48
		10	0		7		1		0	,	כ	,	0	·	,	40
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM] 10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ċ
10/04/2001 [04:00 AM-05:00 AM]	0	0	ō	0	0	0	Ō	0	0	0	ō	ō	ō	0	0	Ċ
10/04/2001 [05:00 AM-06:00 AM]	-	Ō	ō	Ō	0	0	0	0	0	0	0	0	0	0	0	C
10/04/2001 [06:00 AM-07:00 AM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
10/04/2001 [07:00 AM-08:00 AM]	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
10/04/2001 [08:00 AM-09:00 AM]	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
10/04/2001 [09:00 AM-10:00 AM]	0	0	15	1	0	0	0	0	0	0	0	0	0	0	0	16
Daily Totals:	(0	2	_	2	0	0	0	0	0	0	0	0	0	0	31
			9	•	2		U		U		U		U	,	J	3
Report Totals:	(0 3	5 4	7 1		3	1	0	0	0	0	0	0	0 (0	109
Report Percentages:	0.00		52.29	%	2.75	%	0.00		0.00	%	0.00	%	0.00	%	0.00%	, -
. topoit . oroontagoo.		31.19		12.84		0.92		0.00		0.00		0.00		0.009		

Street: E.B.Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 9136. The study was done in the lane on E.B.Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 210 vehicles passed through the location with a peak volume of 14 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 09:00 PM. The AADT Count for this study was 105.

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 >
ŀ	19	6	88	21	1	0	0	0	0	.0	0	0	0	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 16 mph with 0.00 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 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 16.92 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	
128	2	4	1	0	0	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 96.30 percent of the total classified vehicles. The number of Small Trucks in the study was 4 which represents 3.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 0.70 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 10/02/2001 at 02:00 PM the average headway between the vehicles was 240.0 seconds. The slowest traffic period was on 10/02/2001 at 09:00 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 62 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 9136 Street: E.B.Lemoyne bet Main&Charlotte State: IL City: LOMBARD				Lane Oper Poste	: EP ed: 3	30		10:0	0 AM	F F	Hours Perio Raw (s: 48 d: 60 Coun	::00 o nt: 21	10):00 <i>A</i>	AM
County: DUPAGE				AAD	T Fac	ctor:	1			F	-√AD I	Cou	ınt:	105		
NC90A - mph	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	>	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/02/2001 [10:00 AM-11:00 AM]	1	1	1	0	0	0	0	0	0	0	0	0	0	. 0	0	3
10/02/2001 [11:00 AM-12:00 PM]	1	0	3	1	1	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [12:00 PM-01:00 PM]	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [01:00 PM-02:00 PM]	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [02:00 PM-03:00 PM]	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	7
10/02/2001 [03:00 PM-04:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [04:00 PM-05:00 PM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [05:00 PM-06:00 PM]	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [06:00 PM-07:00 PM]	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	5
10/02/2001 [07:00 PM-08:00 PM]	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [08:00 PM-09:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [10:00 PM-11:00 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Totals:	10	0	26	3		1	. ()	(0	(0		0	()
•		:	2	•	7	()	(0	(0	(0	()	46
10/03/2001 [12:00 AM-01:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	` 0	0	0	0
10/03/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [04:00 AM-05:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [06:00 AM-07:00 AM]	. 2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	5
10/03/2001 [07:00 AM-08:00 AM]	1	0	5	2	0	0	0	0	0	0	0	0	0	0	0	8
10/03/2001 [08:00 AM-09:00 AM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
10/03/2001 [09:00 AM-10:00 AM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
10/03/2001 [10:00 AM-11:00 AM]	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
10/03/2001 [11:00 AM-12:00 PM]	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
10/03/2001 [12:00 PM-01:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/03/2001 [01:00 PM-02:00 PM]		0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
10/03/2001 [02:00 PM-03:00 PM]		1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
10/03/2001 [03:00 PM-04:00 PM]	0	0	1	1	0	0	0	Ō	0	0	0	0	0	0	0	2
10/03/2001 [04:00 PM-05:00 PM]	1	0	4	1	0	0	0	Ó	0	0	0	0	0	0	0	6
10/03/2001 [05:00 PM-06:00 PM]	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
10/03/2001 [06:00 PM-07:00 PM]		0	8	1	0	0	0	0	0	0	0	0	0	0	0	10
10/03/2001 [07:00 PM-08:00 PM]		0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
10/03/2001 [08:00 PM-09:00 PM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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HI-Star ID: 9136 Street: E.B.Lemoyne bet Main&Charlotte				Begir Lane		0/02/2	2001	10:0	0 AM			10/0 s: 48		01 10	:00 A	М
State: IL				Oper Poste								d: 60) nt: 21	10		
City: LOMBARD County: DUPAGE				AAD [*]			1						unt:			
NC90A - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74	>	Total
10/03/2001 [09:00 PM-10:00 PM]	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [10:00 PM-11:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	, 0	0	0	0	0
Daily Totals:	•	7	4	-)	(0	(0	(0		0	0	
		;	3	13	3	()	(0	(0		0	()	67
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [04:00 AM-05:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
10/04/2001 [05:00 AM-06:00 AM]	0	0 1	0 2	0	0	0	0	0	0	0	0	0	0	0.	0	0 3 7
10/04/2001 [06:00 AM-07:00 AM] 10/04/2001 [07:00 AM-08:00 AM]	0	0	6	1	0	0	0	0	0	0	0	0	0	0	Ö	7
10/04/2001 [08:00 AM-09:00 AM]	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
10/04/2001 [09:00 AM-10:00 AM]	2	0	4	0	0	0	0	Ō	0	0	0	0	-	0	0	6
Daily Totals:	;	2	1	8	(0		0		0	ı	0		0	0	
Dully Totalo.	•		1	-	1		0	_	0	_	0		0		ס	22
Report Totals:	1	9	8			1		0		0		0		0	0	
			6	2	1	1	0		0		0		0	(כ	135
Report Percentages: 1	4.07	% (4.44	55.19 %	% 15.56	0.74 %	% 0.00	0.00 %	% 0.00	0.00 %	% 0.00	0.00 %	% 0.00	0.00 %	% 0.00°	0.00% %	6

Street: N.B.Charlotte bet Goebel&Lemoyne

A study of vehicle traffic was conducted with HI-STAR unit number 884. The study was done in the lane on N.B.Charlotte bet Goebel&Lemoyne in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 86 vehicles passed through the location with a peak volume of 6 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 03:00 PM. The AADT Count for this study was 43.

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	20	19	24	10	5	2	1	3	1	0	0	0	0	0

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 14.1 percent exceeding the posted speed of 30 mph. The HI-STAR found 14.1 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 26.13 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 >
r	79	3	2	1	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 82 which represents 96.50 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 2.40 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 1.20 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 10/02/2001 at 02:00 PM the average headway between the vehicles was 514.29 seconds. The slowest traffic period was on 10/02/2001 at 03:00 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 62 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

10/12/2001 Page: 1

HI-Star ID: 884				Begir	n: 10)/02/2	2001	10:0	0 AN	1 E	End:	10/0	4/20	01 10):00 A	м і
Street: N.B.Charlotte bet				Lane							Hours	s: 48	:00			
Goebel&Lemoyne																
State: IL				Oper	: EP	•				F	Perio	d: 60)			
City: LOMBARD				Poste							Raw			3		ł
County: DUPAGE						ctor:	1				AADI					
County. DOFAGE					i i a						<u> </u>		ai i c.			
NC97 - mph	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	>	
Date & Time Range	10	. 15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/02/2001 [10:00 AM-11:00 AM]	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [11:00 AM-12:00 PM]	0	0	1	1	0	Ō	0	0	0	0	0	0	0	0	0	2
10/02/2001 [12:00 PM-01:00 PM]	0	2	2	0	0	0	0	0	0	0	0	0	. 0	0	0	4
10/02/2001 [01:00 PM-02:00 PM]	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
10/02/2001 [02:00 PM-03:00 PM]	0	2	0	2	0	1	0	0	1	0	0	0	0	0	0	6
10/02/2001 [03:00 PM-04:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [04:00 PM-05:00 PM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [05:00 PM-06:00 PM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	. 3
10/02/2001 [06:00 PM-07:00 PM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [07:00 PM-08:00 PM]	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [08:00 PM-09:00 PM]	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	0	′ 0	0	0	0	0	0	0	0	0	1
10/02/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [11:00 PM-12:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Daily Totals:	(0	10	0	;	2	(0		1	1	0		0	0	
·		;	8	10	0		1		1	ı	0		0		0	33
10/03/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
10/03/2001 [03:00 AM-04:00 AM]	0	1	0	0	0	0	0	0	0		0	0			0	1
10/03/2001 [04:00 AM-05:00 AM]		1	0	0	0	0		0	0		0	0			.0	1
10/03/2001 [05:00 AM-06:00 AM]		0	0	0	0	0	0	0	0		0	0	-	_	-	0
10/03/2001 [06:00 AM-07:00 AM]		0	1	0	0	0	. 0	0	0	-	0	0	_	_	0	1
10/03/2001 [07:00 AM-08:00 AM]		1	0	4	1	0	0	0	0	_	0	0	_	-	-	6
10/03/2001 [08:00 AM-09:00 AM]	_	1	0	0	0	0	0	0	0	-	0	0	_	_	0	1
10/03/2001 [09:00 AM-10:00 AM]	0	0	1	1	0	1	0	0	0		0	0			0	3
10/03/2001 [10:00 AM-11:00 AM]		0	0	0	0	0		0	0		0	0			0	0 5
10/03/2001 [11:00 AM-12:00 PM]		2		0	0	0		0	0		0	0				0
10/03/2001 [12:00 PM-01:00 PM]		0		0	0	0		0	0		0	0				1
10/03/2001 [01:00 PM-02:00 PM]		1 1	0	0 1	0 1	0		0	0	_	-					4
10/03/2001 [02:00 PM-03:00 PM]		0	_	1	1	1		0	0		0	0				4
10/03/2001 [03:00 PM-04:00 PM]		0		2	ι 0	1		_	0		0					4
10/03/2001 [04:00 PM-05:00 PM] 10/03/2001 [05:00 PM-06:00 PM]				0	0						_			_	-	3
10/03/2001 [05:00 PM-06:00 PM]		1	0	3	0							_		-		4
10/03/2001 [08:00 PM-07:00 PM]				0	0							-				1
10/03/2001 [07:00 PM-08:00 PM]																2
10/00/2001 [00:00 F WE-00:00 F W]	J		'	J	J	J	J	J	٠	·	J	J	•	•	•	_

HI-Star ID: 884 Street: N.B.Charlotte bet				Begii Lane)/02/2	2001	10:0	0 AN			10/0 s: 48		01 10):00 A	M
Goebel&Lemoyne State: IL City: LOMBARD County: DUPAGE				Oper Posto AAD	ed: 3	30	1			F	Raw	d: 60 Cour Γ Cou	it: 86			
NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74	>	Total
10/03/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
10/03/2001 [11:00 PM-12:00 AM]	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
Daily Totals:	()	9	9	;	3		1	2	2	(0	1	0	C)
		1	1	12	2	;	3	()		1	(0	(0	42
10/04/2001 [12:00 AM-01:00 AM]	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [04:00 AM-05:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [05:00 AM-06:00 AM]	0	0	. 0	0	1	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [06:00 AM-07:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [07:00 AM-08:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [08:00 AM-09:00 AM]	0	1 0	0	0	0 4	1	1	0	0	0	0	0	-	0	0	3 4
10/04/2001 [09:00 AM-10:00 AM]	0	U	U	U	4	U	U	U	U	U	U	U	U	U	U	4
Daily Totals:	(0		0		5		1		0		0		0	. (
			1	:	2	,	1	(0		0		0	1	0	10
Report Totals:	(0	1	-	10	-		2	;	3		0		0	C	
-		2	0	2	4	;	5		1		1		0.		0	85
Report Percentages:	0.00	% 2 23.53	22.35	% ⁻ 28.24	1.76	% 5.88	2.35°	% 1.18	3.53 %	% 1.18	0.00 %	% 0.00	0.00	% 0.00	0.009 %	%

Street: S.B.Charlotte bet Goebel&Lemoyne

A study of vehicle traffic was conducted with HI-STAR unit number 9248. The study was done in the lane on S.B.Charlotte bet Goebel&Lemoyne in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 159 vehicles passed through the location with a peak volume of 11 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 09:00 PM. The AADT Count for this study was 80.

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 >
ľ	10	1	36	66	40	5	0	0	0	0	0	0	0	0	0

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 3.16 percent exceeding the posted speed of 30 mph. The HI-STAR found 3.16 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 24.16 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 >
142	1	6	8	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 143 which represents 90.50 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 3.80 percent of the total classified vehicles. The number of Trucks/Busses in the study was 8 which represents 5.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.60 percent of the total classified vehicles

HEADWAY

During the peak time period, on 10/02/2001 at 02:00 PM the average headway between the vehicles was 300.0 seconds. The slowest traffic period was on 10/02/2001 at 09:00 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 62 and 101 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

10/12/2001 Page: 1

								_				-				
HI-Star ID: 9248				Begir	n: 10	/02/2	2001	10:0	0 AN	1 E	End:	10/0	4/20	01 10	0:00	MA
Street: S.B.Charlotte bet				Lane	:					H	Hours	: 48	:00			
Goebel&Lemoyne																ŀ
State: IL				Oper	: EP)				F	erio	d: 60)	,		
City: LOMBARD				Post								Coun		59		
County: DUPAGE				AAD.			1					Cou				
County. DOFAGE					110	J.OI.	· 			,	-	-	4116.			
NC90A - mph	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	>	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/02/2001 [10:00 AM-11:00 AM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [11:00 AM-12:00 PM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [12:00 PM-01:00 PM]	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	8
10/02/2001 [01:00 PM-02:00 PM]	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [02:00 PM-03:00 PM]	1	0	3	5	1	1	0	0	0	0	0	0	0	0	0	11
10/02/2001 [03:00 PM-04:00 PM]	0	0	2	0	2	0	0	0	0	0	0	0	0	0	,O	4
10/02/2001 [04:00 PM-05:00 PM]	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [05:00 PM-06:00 PM]	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [06:00 PM-07:00 PM]	0	0	1	5	2	0	0	0	0	0	0	0	0	0	0	8
10/02/2001 [07:00 PM-08:00 PM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10/02/2001 [08:00 PM-09:00 PM]	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [10:00 PM-11:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Totals:	:	2	1	-		9	(0		0	(0		0	(כ
		(0	29	9		1	(0	•	0	-	0		0	57
10/03/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [01:00 AM-02:00 AM]	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [04:00 AM-05:00 AM]		0	0	1	0	0		0	0	0	0	0	0	0	0	1
10/03/2001 [05:00 AM-06:00 AM]		0	0	0	0	0	0	0	0	0	0	0	0	-	0	0
10/03/2001 [06:00 AM-07:00 AM]		0	3	1	0	0	_	0	0	0	0	0	0	_	0	4
10/03/2001 [07:00 AM-08:00 AM]		0	1	0	4	0	0	0	0	0	0	0	0	-	. 0	6
10/03/2001 [08:00 AM-09:00 AM]		0	0	0	2	1	0	0	0	0	0	0	0	-	0	3 3
10/03/2001 [09:00 AM-10:00 AM]	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
10/03/2001 [10:00 AM-11:00 AM]		0	0	3	2	0	0	0	0	0	0	0	0	0	0	5 3
10/03/2001 [11:00 AM-12:00 PM]		0	0	1	2	0		0	0		0	0	0		0	5
10/03/2001 [12:00 PM-01:00 PM]		0	3 2	1 2	1 2	0	0	0	0		0	0	0		0	7
10/03/2001 [01:00 PM-02:00 PM] 10/03/2001 [02:00 PM-03:00 PM]		0	1	3	2	0		0			0	0	0	0	0	6
10/03/2001 [02:00 PM-03:00 PM] 10/03/2001 [03:00 PM-04:00 PM]		0	1	2	3	0		0	0		0	0	0	0	0	6
10/03/2001 [03:00 PM-04:00 PM] 10/03/2001 [04:00 PM-05:00 PM]		0	1	6	2	0		.0			0	0	0			9
10/03/2001 [04:00 PM-05:00 PM]		0	1	6	1	0		.0	0		0	0	0		0	11
10/03/2001 [05:00 PM-07:00 PM]		0	0		4	2		0			0	0	_	_	0	7
10/03/2001 [07:00 PM-08:00 PM]		0	1		1	0		_	_			0			0	3
10/03/2001 [08:00 PM-09:00 PM]		0	0		Ö	0		0				0				Õ
	•	•	_	•	•	•	•	-	•	-	-	_	_	_	-	_

HI-Star ID: 9248 Street: S.B.Charlotte bet Goebel&Lemoyne				Begii Lane)/02/2	2001	10:0	0 AM			10/0 s: 48		01 10):00 A	ΛM
State: IL City: LOMBARD				Oper Poste								d: 60 Cour) nt: 18	59		
County: DUPAGE				AAD'			1						unt: 3			
NC90A - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75 >	-
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74		Total
10/03/2001 [09:00 PM-10:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [10:00 PM-11:00 PM] 10/03/2001 [11:00 PM-12:00 AM]	0 0	0	0	0	0	0 0	0 0	0	0	0	0	0 0	0	0	0	0 0
Daily Totals:	6	3	14		29)		כ		O		0	O	
		()	28	3	;	3	()	()	, (0	()	80
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0	0	0 1
10/04/2001 [02:00 AM-03:00 AM] 10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
10/04/2001 [04:00 AM-05:00 AM]	0	0	1	1	0	. 0	ō	0	0	Ö	Ö	Ö	Ö	ō	Ö	2
10/04/2001 [05:00 AM-06:00 AM]	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [06:00 AM-07:00 AM]	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [07:00 AM-08:00 AM]	1	0	2	2	1	0	0	0	0	0	0	0	0	0	0	6
10/04/2001 [08:00 AM-09:00 AM]		1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
10/04/2001 [09:00 AM-10:00 AM]	0	0	1	4	0	1	0	0	0	0	0	0	0	0	0	6
Daily Totals:	2		1	6	: 9	2	1	0	0	0	0	0	0	0	0) 21
Report Totals:	10		3(1	6 6	4(6	-	5	0	0	0	0	0	0	0 (0) 158
Report Percentages:	6.33	% 2 0.63°	2.78	% 2 11.77'	25.32°	% 3.16	0.00	% 0.00	0.00	% 0.00	0.00	% 0.00	0.00	% 0.00	0.00%	%

Street: E.B.Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 9136. The study was done in the lane on E.B.Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 210 vehicles passed through the location with a peak volume of 14 on 10/02/2001 at 02:00 PM and a minimum volume of 0 on 10/02/2001 at 09:00 PM. The AADT Count for this study was 105.

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 >
ł	19	6	88	21	1	0	0	0	0	0	0	0	0	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 16 mph with 0.00 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.00 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 16.92 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
128	2	4	1	0	0	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 96.30 percent of the total classified vehicles. The number of Small Trucks in the study was 4 which represents 3.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 0.70 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 10/02/2001 at 02:00 PM the average headway between the vehicles was 240.0 seconds. The slowest traffic period was on 10/02/2001 at 09:00 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 62 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

10/12/2001 Page: 1

HI-Star ID: 9136				Begir	n: 10	0/02/	2001	10:0	0 AN	1 E	End:	10/0	4/20	01 10	:00 A	м
Street: E.B.Lemoyne bet				Lane	:	``				ŀ	Hours	s: 48	3:00			
Main&Charlotte																
State: IL				Oper	. FF	•					erio	d: 60	1			
City: LOMBARD				Post							Raw (10		
							4									
County: DUPAGE				AAD [*]	ı ra	Clor.	ı			,	4AD1	COL	ant.	CUI		
NC90A - mph	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	>	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/02/2001 [10:00 AM-11:00 AM]	1	1	1	0	0	0	0	0	0	0	0	0	0,	0	0	3
10/02/2001 [11:00 AM-12:00 PM]	1	0	3	1	1	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [12:00 PM-01:00 PM]	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	6
10/02/2001 [01:00 PM-02:00 PM]	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [02:00 PM-03:00 PM]	4	0	3	0	0	0	0	0	0	0	0	,0	0	0	0	7
10/02/2001 [03:00 PM-04:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [04:00 PM-05:00 PM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
10/02/2001 [05:00 PM-06:00 PM]	0	1	2	1	0	0	0	0	0	0	0	0	. 0	0	0	4
10/02/2001 [06:00 PM-07:00 PM]	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	5
10/02/2001 [07:00 PM-08:00 PM]	Ó	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
10/02/2001 [08:00 PM-09:00 PM]	Ō	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/02/2001 [09:00 PM-10:00 PM]	0	0	ō	0	0	ō	0	0	ō	0	0	0	0	0	Ō	Ö
10/02/2001 [10:00 PM-11:00 PM]	ō	0	2	0	0	Ö	0	Ö	ŏ	ō	0	Ö	0	Õ	Ö	2
10/02/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2001 [11:00 1 M-12:00 AM]	Ū	Ū	Ŭ	Ŭ	Ŭ	Ů	Ŭ	Ū	·	·	Ŭ	·	·	·	Ū	Ŭ
Daily Totals:	10		2			1		0		0		0		0	0	
•		1	2	-	7	1	0	•	0	1	0		0	()	46
10/03/2001 [12:00 AM-01:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [04:00 AM-05:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	o′	1
10/03/2001 [05:00 AM-06:00 AM]		0	0	0	0	0	Ó	0	0	0	0	0	Ó	0	Ô	0
10/03/2001 [06:00 AM-07:00 AM]		1	1	1	0	0	0	0	0	0	0	0	0	0	0	5
10/03/2001 [07:00 AM-08:00 AM]	1	0	5	2	0	0	0	0	0	0	0	0	ō	0	0	8
10/03/2001 [08:00 AM-09:00 AM]	0	0	1	2	0	0	0	0	0	0	0	0	0	. 0	0	3
10/03/2001 [09:00 AM-10:00 AM]	0	Ō	3	1	Ō	ō	ō	ō	ō		ō	Ô	0	Ö	Ö	4
10/03/2001 [10:00 AM-11:00 AM]	0	0	4	0	0	0	Ö	0	0	0	0	0	0	0	Ö	4
10/03/2001 [11:00 AM-12:00 PM]	0	0	1	1	0	0	ō	0	0	ō	0	0	0	Ō	Ö	2
10/03/2001 [12:00 PM-01:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/03/2001 [01:00 PM-02:00 PM]		Ö	4	Ö	0	_	0	0	0	0	0	0	0	0	o	4
10/03/2001 [01:00 PM-02:00 PM]		1	3	0	0	0 0	0	0	0	0	0	0	0	0	0	4
=		0	3 1	1	0	0	0	0	0	0	0	0	0	0	0	2
10/03/2001 [03:00 PM-04:00 PM]		0		1		0		0		0	0		0	0	0	6
10/03/2001 [04:00 PM-05:00 PM]		_	4		0		0	-	0		_	0	_	_		
10/03/2001 [05:00 PM-06:00 PM]		0	4	1	0	. 0	0	0	0	0	0	0	0		0	5
10/03/2001 [06:00 PM-07:00 PM]		0	8	1	0	0	0	0	0	0	0	_	0		0	10
10/03/2001 [07:00 PM-08:00 PM]		0	1	1	0	0	0	0	0	0	0				0	2
10/03/2001 [08:00 PM-09:00 PM]	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

HI-Star ID: 9136 Street: E.B.Lemoyne bet				Begii Lane)/02/2	2001	10:0	0 AN		End: Hours			01 10):00 A	.M
Main&Charlotte State: IL City: LOMBARD County: DUPAGE				Oper Post	: EP ed: 3	30	1			F	Perio	d: 60 Cour				
NC90A - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	69	to 74	>	Total
10/03/2001 [09:00 PM-10:00 PM]	0.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2001 [10:00 PM-11:00 PM] 10/03/2001 [11:00 PM-12:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [11:001 W-12:00 AW]	J	Ū	Ū	Ū	Ū	Ū	Ū	Ů	Ū	Ū	Ŭ	·	·	·	J	J
Daily Totals:	7		4	-)		כ		כ		0		0	0	
		,	3	1:	3	()	()	(0		0	(ט	67
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/04/2001 [04:00 AM-05:00 AM] 10/04/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [05:00 AM-07:00 AM]	0	1	2	0	. 0	0	0	0	0	0	0	0	0	0	0	3
10/04/2001 [07:00 AM-08:00 AM]	0	0	6	1	0	0	0	0	0	0	0	0	_	0	Ö	7
10/04/2001 [08:00 AM-09:00 AM]	0	0	5	Ö	0	0	0	0	0	0	0	0	0	0	Ö	5
10/04/2001 [09:00 AM-10:00 AM]	2	0	4	Ō	0	0	0	0	Ō	, 0	Ō	0	0	0	ō	6
Daily Totals:	2	,	18	8	()	(0		0	^ (0		0	0	
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Report Totals:	19	9	8	8		1	(0		0	1	0		0	0	
			3	2		•	0		0	_	0		0		0	135
Report Percentages: 1	4.079	% 6 4.44'	65.19 % 1	% 15.56	0.74 ⁴ %	% 0.00°	0.00 ⁹ %	% 0.00	0.00 %	% 0.00	0.00' %	% 0.00	0.00 %	% 0.00°	0.00% %	6

Street: W.B.Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 2262. The study was done in the lane on W.B.Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/02/2001 at 10:00 AM and concluded on 10/04/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 111 vehicles passed through the location with a peak volume of 16 on 10/04/2001 at 09:00 AM and a minimum volume of 0 on 10/02/2001 at 04:00 PM. The AADT Count for this study was 56.

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 >
ſ	0	34	57	14	3	1	0	0	0	0	0	0	0	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 15 mph with 0.92 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.92 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 17.09 mph.

CLASSIFICATION

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

Chart 2

ſ	0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
ľ	101	6	2	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 107 which represents 98.20 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 1.80 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 10/04/2001 at 09:00 AM the average headway between the vehicles was 211.76 seconds. The slowest traffic period was on 10/02/2001 at 04:00 PM. During this slowest period, the average headway was 3600.0 seconds.

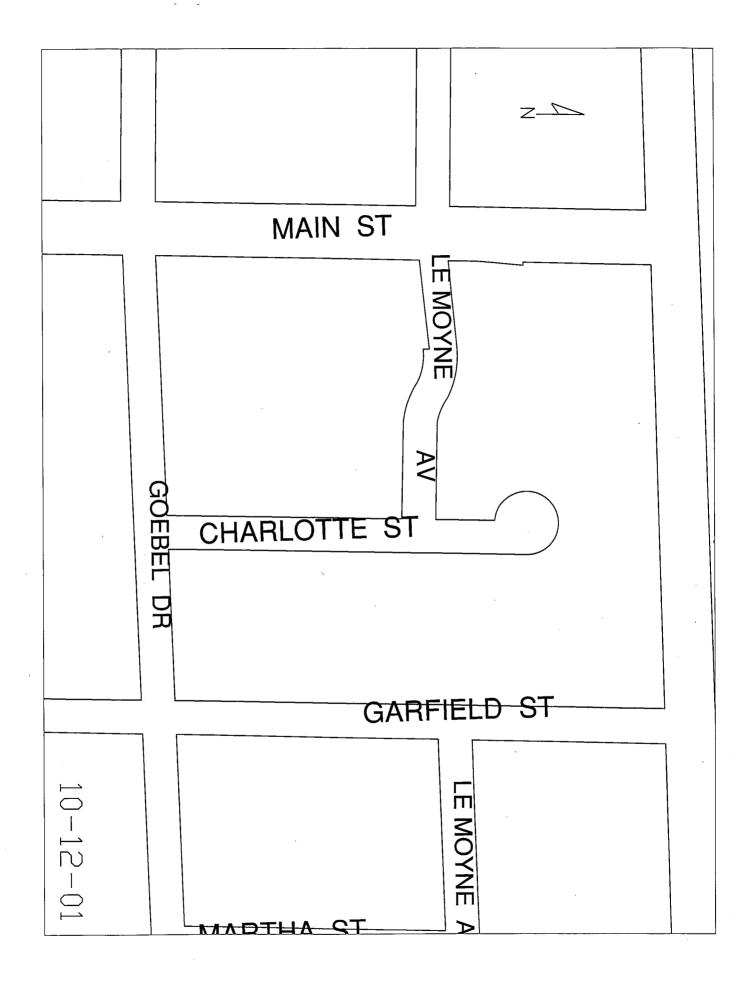
WEATHER

The roadway surface temperature over the period of the study varied between 60 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

10/12/2001 Page: 1

HI-Star ID: 2262 Begin: 10/02/2001 10:00 AM End: 10/04/2001 10:00 Street: W.B.Lemoyne bet Lane: Hours: 48:00	^ N
<u> </u>	MIVI ·
Main&Charlotte	l
State: IL Oper: EP Period: 60	
City: LOMBARD Posted: 30 Raw Count: 111	1
1	
County: DUPAGE AADT Factor: 1 AADT Count: 56	
NC97 - mph 0 11 16 21 26 31 36 41 46 51 56 60 65 70 75	
to >	
Date & Time Range 10 15 20 25 30 35 40 45 50 55 59 64 69 74	Total
Bate & Time realige 10 10 20 20 00 00 10 10 00 00 00 10 10 10 10 10 10	, 0 10
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10/02/2001 [11:00 AM-12:00 PM]	
10/02/2001 [12:00 PM-01:00 PM] 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0	_
10/02/2001 [01:00 PM-02:00 PM] 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [02:00 PM-03:00 PM] 0 1 1 1 0 0 0 0 0 0 0 0 0	
10/02/2001 [03:00 PM-04:00 PM] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [04:00 PM-05:00 PM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [05:00 PM-06:00 PM] 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0	=
10/02/2001 [06:00 PM-07:00 PM] 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [07:00 PM-08:00 PM] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [08:00 PM-09:00 PM] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [09:00 PM-10:00 PM] 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_
10/02/2001 [10:00 PM-11:00 PM] 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0	
10/02/2001 [11:00 PM-12:00 AM] 0 0 1 0 0 0 0 0 0 0 0 0 0 0	1
Daily Totals: 0 15 1 0 0 0 0	0
9 5 0 0 0 0	30
10/03/2001 [12:00 AM-01:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0	0
10/03/2001 [01:00 AM-02:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0	
10/03/2001 [02:00 AM-03:00 AM] 0 0 0 0 0 0 0 0 0 0 0 0 0	0
10/03/2001 [03:00 AM-04:00 AM]	1
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10/03/2001 [09:00 AM-10:00 AM] 0 2 2 2 1 0 0 0 0 0 0 0 0	7
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10.000 to 10.000	
10/03/2001 [05:00 PM-06:00 PM] 0 0 0 1 1 0 0 0 0 0 0 0 0 0	5
10/03/2001 [05:00 PM-06:00 PM] 0 0 0 1 1 0 0 0 0 0 0 0 0	

HI-Star ID: 2262 Street: W.B.Lemoyne bet Main&Charlotte				Begii Lane)/02/2	2001	10:0	0 AN		End: Hours			01 10	:00 A	М
State: IL				Oper	. =0	,					Perio	ط۰ اور	1			
City: LOMBARD				Post							Raw			11		
County: DUPAGE				AAD			4 .				AAD1					
County, DOPAGE				770	1 1 a	Clor.	1				ر <i>ح</i> اد	COL	alit. •	JO		
NC97 - mph	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	>	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/03/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10/03/2001 [09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/03/2001 [11:00 PM-12:00 AM]	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	o O
10/00/2001 [11:00 1 12:00 7 11:00 7	·	·	•		•		•		_			_	_	_		•
Daily Totals:	()	2	2	2	2	(0	()	()	(0	0	
		16	3	•	7	•	1	(0	(0	(0	C)	48
10/04/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2001 [06:00 AM-07:00 AM]	0	2	1	0	0	0	0	- 0	0	0	0	0	0	0	0	3
10/04/2001 [07:00 AM-08:00 AM]	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
10/04/2001 [08:00 AM-09:00 AM]	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
10/04/2001 [09:00 AM-10:00 AM]	0	0	15	1	0	0	0	0	0	0	0	0	0	0	0	16
Daily Totals:	(0	2	0	(0	(0		0		0		0	0	
•		!	9	:	2	(0		0		0		0	()	31
Report Totals:		0	5	7		3		0	1	0		0		0	0	
riopore rotato.	,	3,		1		-	1	-	0	-	0	-	0)	109
Report Percentages:	0.00	0/, 1	52.29	0/2	2.75	%	0.00	%	0.00	D/ ₀	0.00	%	0.00	%	0.00%	<u>'</u>
Nepon Fercentages.		31.19		∕∘ 12.84'		0.92		0.00		0.00		0.00		0.00		J



Street: E.B. Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 883. The study was done in the lane on E.B. Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/19/2001 at 02:00 PM and concluded on 10/21/2001 at 02:00 PM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 195 vehicles passed through the location with a peak volume of 13 on 10/20/2001 at 08:00 AM and a minimum volume of 0 on 10/19/2001 at 10:00 PM. The AADT Count for this study was 98.

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	28	89	53	13	`3	2	1	0	0	0	0	0	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 18 mph with 3.17 percent exceeding the posted speed of 30 mph. The HI-STAR found 3.17 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 20.62 mph.

CLASSIFICATION

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

Chart 2

Γ	0	21	28	40	50	60	69	81
1	to	to	to	to	to	to	to	>
1	20	27	39	49	59	68	80	
t	180	6	2	1	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 186 which represents 98.40 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 1.10 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 0 which represents 0.00 percent of the total classified vehicles

HEADWAY

During the peak time period, on 10/20/2001 at 08:00 AM the average headway between the vehicles was 257.14 seconds. The slowest traffic period was on 10/19/2001 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 48 and 85 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

10/22/2001 Page: 1

HI-Star ID: 883 Street: E.B. Lemoyne bet Main&Charlotte				Begir Lane)/19/2	2001	02:0	0 PM			10/2 s: 48		01 02	2:00 F	M
State: IL City: LOMBARD County: DUPAGE				Oper Poste AAD	ed: 3	30	1	, <u>-</u>		F	Raw	d: 60 Coun Γ Cou	nt: 19			
NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74	>	Total
Date & Time range																
10/19/2001 [02:00 PM-03:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/19/2001 [03:00 PM-04:00 PM]	0	0	3	6	3	0	0	0	0	0	0	0	0	0	0	12
10/19/2001 [04:00 PM-05:00 PM]	0	0	2	6	3	0	0	0	0	0	0	0	0	0	0	11
10/19/2001 [05:00 PM-06:00 PM]	0	1	4	3	0	0	0	0	0	0	0	0	0	0	0	8
10/19/2001 [06:00 PM-07:00 PM]	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6
10/19/2001 [07:00 PM-08:00 PM]	0	1	_. 8	0	0	0	0	0	0	0	0	0	0	0	0	9
10/19/2001 [08:00 PM-09:00 PM]	0	0	2	. 0	1	0	0	0	0	0	0	0	0	0	0	3
10/19/2001 [09:00 PM-10:00 PM]	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
10/19/2001 [10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/19/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0
Daily Totals:	C)	2			7		0		0		0		0	C)
		;	3	21	l	()	•	0	(0	(0		0	56
10/20/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [01:00 AM-02:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/20/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
10/20/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
10/20/2001 [04:00 AM-05:00 AM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/20/2001 [05:00 AM-06:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
10/20/2001 [06:00 AM-07:00 AM]	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	7
10/20/2001 [07:00 AM-08:00 AM]	0	2	5	1	0	0	0	0	0	0	0	0	0	0	0	8
10/20/2001 [08:00 AM-09:00 AM]	0	1	8	2	1	0	0	0	0	0	0	0	0	0	0	12
10/20/2001 [09:00 AM-10:00 AM]	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
10/20/2001 [10:00 AM-11:00 AM]	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5
10/20/2001 [11:00 AM-12:00 PM]	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7
10/20/2001 [12:00 PM-01:00 PM]	0	0	4	3	1	0	0	0	0	0	0	0	0	0	0	. 8
10/20/2001 [01:00 PM-02:00 PM]	0	0	6	3	2	0	0	0	0	0	0	0	0	0	0	11
10/20/2001 [02:00 PM-03:00 PM]	0	4	3	2	0	0	0	0	0	0	0	0	0	0	0	ξ
10/20/2001 [03:00 PM-04:00 PM]	0	0	3	5	0	1	0	0	0	0	0	0	0	0	0	ξ
10/20/2001 [04:00 PM-05:00 PM]	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
10/20/2001 [05:00 PM-06:00 PM]	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
10/20/2001 [06:00 PM-07:00 PM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10/20/2001 [07:00 PM-08:00 PM]	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
10/20/2001 [08:00 PM-09:00 PM]	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
10/20/2001 [09:00 PM-10:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
																2

HI-Star ID: 883		<u>-</u>		 Begir	· 10	/19/2	001	02:0	0 PM	1 F	-nd·	10/2	1/20	01.02	2:00 F	м
Street: E.B. Lemoyne bet				Lane		7 1072	.001	02.0	O 1 10		lours			0102		
Main&Charlotte State: IL				Oper	· EP					F	Perio	d: 60)			
City: LOMBARD				Poste									rt: 19	95		
County: DUPAGE				AAD			1						unt: 9			
NC97 - mph	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	>	
Date & Time Range	10	15	20	25	30	35	40	45	50	55	59	64	69	74		Total
10/20/2001 [11:00 PM-12:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Daily Totals:	C)	5	7	, 4	ļ	()	(ס)	(0	C)
		22	2	28	3	1		()	(כ	(0	()	112
10/21/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [05:00 AM-06:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [06:00 AM-07:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [07:00 AM-08:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [08:00 AM-09:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [09:00 AM-10:00 AM]	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	3
10/21/2001 [10:00 AM-11:00 AM]	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	4
10/21/2001 [11:00 AM-12:00 PM]		0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
10/21/2001 [12:00 PM-01:00 PM]	0	0	3	2	0	0	1	0	0	0	0	0	0	0	0	6
10/21/2001 [01:00 PM-02:00 PM]	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2
Daily Totals:	(3	7		2	2	2	1 .	0	0	0	0	0	0) 21
		•	J	•						,					U	21
Report Totals:	() 2:	8 8	9 53	1: 3	3		2	1	0	0	0	0	0	0) 189
Report Percentages:	0.00	% 4	1 7.09		6.88	% 1.59°	1.06°	% 0.53	0.00		0.00	% 0.00	0.00	% 0.00	0.009	%

Average Speed by Class Report

Begin: 10/19/2001 02:00 PM End: 10/21/2001 02:00 PM HI-Star ID: 883 Hours: 48:00 Lane:

Street: E.B. Lemoyne bet

Main&Charlotte

State: IL City: LOMBARD County: DUPAGE

Oper: EP Period: 60 Posted: 30 Raw Count: 195 AADT Count: 98 AADT Factor: 1

NC97 - Feet	0	21	28	40	50	60	69	81	
	to	to	to	to	to	to	to	>	
Data & Timo Pange	20	27	39	49	59	68	80		Avg Speed
Date & Time Range	20	21	39	43	03		00		Avg Opecu
10/19/2001 [02:00 PM-03:00 PM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/19/2001 [03:00 PM-04:00 PM]	20.55	26.00	0.00	0.00	0.00	0.00	0.00	0.00	21 mph
10/19/2001 [04:00 PM-05:00 PM]	21.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21 mph
10/19/2001 [05:00 PM-06:00 PM]	17.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17 mph
10/19/2001 [06:00 PM-07:00 PM]	19.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19 mph
10/19/2001 [07:00 PM-08:00 PM]	15.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15 mph
10/19/2001 [08:00 PM-09:00 PM]	19.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19 mph
10/19/2001 [09:00 PM-10:00 PM]	17.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17 mph
10/19/2001 [10:00 PM-11:00 PM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/19/2001 [11:00 PM-12:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/20/2001 [12:00 AM-01:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/20/2001 [01:00 AM-02:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [02:00 AM-03:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/20/2001 [03:00 AM-04:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/20/2001 [04:00 AM-05:00 AM]	16.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [05:00 AM-06:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [06:00 AM-07:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [07:00 AM-08:00 AM]	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	. 15 mph
10/20/2001 [08:00 AM-09:00 AM]	17.36	16.00	0.00	0.00	0.00	0.00	0.00	0.00	17 mph
10/20/2001 [09:00 AM-10:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [10:00 AM-11:00 AM]	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15 mph
10/20/2001 [11:00 AM-12:00 PM]	17.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17 mph
10/20/2001 [12:00 PM-01:00 PM]	19.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19 mph
10/20/2001 [01:00 PM-02:00 PM]	19.50	0.00	16.00	0.00	0.00	0.00	0.00	0.00	19 mph
10/20/2001 [02:00 PM-03:00 PM]	14.75	16.00	0.00	0.00	0.00	0.00	0.00	0.00	15 mph
10/20/2001 [03:00 PM-04:00 PM]	20.38	21.00	0.00	0.00	0.00	0.00	0.00	0.00	20 mph
10/20/2001 [04:00 PM-05:00 PM]	17.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	17 mph
10/20/2001 [05:00 PM-06:00 PM]	21.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	18 mph
10/20/2001 [06:00 PM-07:00 PM]	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11 mph
10/20/2001 [07:00 PM-08:00 PM]	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14 mph
10/20/2001 [08:00 PM-09:00 PM]	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13 mph
10/20/2001 [09:00 PM-10:00 PM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/20/2001 [10:00 PM-11:00 PM]	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18 mph
10/20/2001 [11:00 PM-12:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/21/2001 [12:00 AM-01:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [01:00 AM-02:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [02:00 AM-03:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [03:00 AM-04:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [04:00 AM-05:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [05:00 AM-06:00 AM]	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16 mph
10/21/2001 [06:00 AM-07:00 AM]	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11 mph
10/21/2001 [07:00 AM-08:00 AM]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 mph
10/21/2001 [08:00 AM-09:00 AM]	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11 mph
10/21/2001 [09:00 AM-10:00 AM]	22.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23 mph
10/21/2001 [10:00 AM-11:00 AM]	22.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22 mph

Average Speed by Class Report

HI-Star ID: 883 End: 10/21/2001 02:00 PM Begin: 10/19/2001 02:00 PM Street: E.B. Lemoyne bet Lane: Hours: 48:00 Main&Charlotte Oper: EP Period: 60 State: IL Posted: 30 Raw Count: 195 City: LOMBARD AADT Factor: 1 AADT Count: 98 County: DUPAGE NC97 - Feet 60 69 21 28 40 50 81 0 ţo to to to to to > to Date & Time Range 20 27 39 49 59 68 80 Avg Speed 0.00 0.00 0.00 0.00 0.00 0.00 28 mph 27.67 0.00 10/21/2001 [11:00 AM-12:00 PM] 21.00 10/21/2001 [12:00 PM-01:00 PM] 21.00 0.00 0.00 0.00 0.00 0.00 0.00 21 mph 10/21/2001 [01:00 PM-02:00 PM] 26.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 26 mph

17.56 18.50 16.00 16.00

0.00

0.00

0.00

0.00

Report Totals:

Street: W.B. Lemoyne bet Main&Charlotte

A study of vehicle traffic was conducted with HI-STAR unit number 884. The study was done in the lane on W.B. Lemoyne bet Main&Charlotte in LOMBARD, IL in DUPAGE county. The study began on 10/19/2001 at 02:00 PM and concluded on 10/21/2001 at 02:00 PM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 94 vehicles passed through the location with a peak volume of 13 on 10/20/2001 at 06:00 AM and a minimum volume of 0 on 10/19/2001 at 08:00 PM. The AADT Count for this study was 47.

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	>													
10	15	20	25	30	35	40	45	50	55	59	64	69	74	
0	7	46	27	9	3	1	0	0	0	0	0	0	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 19 mph with 4.30 percent exceeding the posted speed of 30 mph. The HI-STAR found 4.30 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 21.32 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
86	4	3	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 90 which represents 96.80 percent of the total classified vehicles. The number of Small Trucks in the study was 3 which represents 3.20 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 10/20/2001 at 06:00 AM the average headway between the vehicles was 257.14 seconds. The slowest traffic period was on 10/19/2001 at 08:00 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 85 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 884 Street: W.B. Lemoyne bet Main&Charlotte				Begii Lane	:		2001	02:0	0 PN	H	Hours	s: 48	3:00	01 02	2:00 F	PM
State: IL City: LOMBARD County: DUPAGE	i			Oper Posto AAD	ed: 3	30	1			F	Raw (0 nt: 94 unt: 4			·
NC97 - mph	0	11	16	21	26	31	36	41	46	51	56	60	65	70	75	
Date & Time Range	to 10	to 15	to 20	to 25	to 30	to 35	to 40	to 45	to 50	to 55	to 59	to 64	to 69	to 74	>	Total
10/19/2001 [02:00 PM-03:00 PM]	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
10/19/2001 [03:00 PM-04:00 PM]	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	4
10/19/2001 [04:00 PM-05:00 PM]	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
10/19/2001 [05:00 PM-06:00 PM]	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
10/19/2001 [06:00 PM-07:00 PM]	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	4 1
10/19/2001 [07:00 PM-08:00 PM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10/19/2001 [08:00 PM-09:00 PM]	0	0	0 1	0	1	1	0	0	. 0	0	0	0	0	0	0	3
10/19/2001 [09:00 PM-10:00 PM]	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
10/19/2001 [10:00 PM-11:00 PM] 10/19/2001 [11:00 PM-12:00 AM]	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
10/19/2001 [11.00 PW-12.00 AW]	Ų	U	U	U	U	U	U	U	U	U	U	U	U	U	U	J
Daily Totals:	(כ		В.		4		1)		0		0	_ (
		·	1		7	-	2	()	,	D	(0		0	23
10/20/2001 [12:00 AM-01:00 AM]	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [04:00 AM-05:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/20/2001 [05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2001 [06:00 AM-07:00 AM]	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
10/20/2001 [07:00 AM-08:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0
10/20/2001 [08:00 AM-09:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
10/20/2001 [09:00 AM-10:00 AM]	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
10/20/2001 [10:00 AM-11:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/20/2001 [11:00 AM-12:00 PM]		0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
10/20/2001 [12:00 PM-01:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
10/20/2001 [01:00 PM-02:00 PM]	0	0	1	1	0	0	0	0	0	Ü	0	0	0	0	0	2
10/20/2001 [02:00 PM-03:00 PM]	0	1	2	0	1	0	0	0	. 0	0	0	0	0	0	0	4 4
10/20/2001 [03:00 PM-04:00 PM]	0	0	2 3	1 0	1	0	0	0	. 0	0	0	0	0	0	0	3
10/20/2001 [04:00 PM-05:00 PM] 10/20/2001 [05:00 PM-06:00 PM]	0	0	0	3	1	0	0	0	0	0	0	0	-	0	0	4
10/20/2001 [05:00 PM-07:00 PM]	0	1	0	1	0	0	0	0	0	0	0	.0		0	0	2
10/20/2001 [08:00 PM-07:00 PM]	0	0	1	1	0	0	0	0	0	0	0	0		0	Q	2
10/20/2001 [07:00 PM-08:00 PM]	0	2	2	1	0	0	0	0	0	0	0	0		0	0	5
10/20/2001 [08:00 PM-10:00 PM]		0	2	Ö	0	0	0	0	0	0	0	0		0	0	2
		0	0	0	0		0	0	0	0	0	0		Ö	Ö	. 0
10/20/2001 [10:00 PM-11:00 PM]	0					0				0					0	

Main&Charlotte State: IL City: LOMBARD County: DUPAGE NC97 - mph Date & Time Range 10/20/2001 [11:00 PM-12:00 AM] Daily Totals:	0 to 10	11 to 15		Oper Poste AAD ⁻ 21 to 25	ed: 3	otor:	1 36	41	46	F	Period Raw (AADT 56	Cour	ıt: 94		75	
City: LOMBARD County: DUPAGE NC97 - mph Date & Time Range 10/20/2001 [11:00 PM-12:00 AM]	to 10	to 15	16 to	Poste AAD ⁻ 21 to	ed: 3 T Fac 26	otor:		41	46	F /-	Raw (ADT	Cour Cou	it: 94 int: 4	47	75	
County: DUPAGE NC97 - mph Date & Time Range 10/20/2001 [11:00 PM-12:00 AM]	to 10	to 15	16 to	AAD ⁻ 21 to	7 Fad 26	otor: 31		41	46	F	ADT	Cou	ınt: 4	47	75	
NC97 - mph Date & Time Range 10/20/2001 [11:00 PM-12:00 AM]	to 10	to 15	to	to		1	36	41	46	51	56	60	65	70	75	
Date & Time Range 10/20/2001 [11:00 PM-12:00 AM]	to 10	to 15	to	to		1	36	41	46	51	56	ല	65	70	75	
10/20/2001 [11:00 PM-12:00 AM]	0	15			to I		٠. ا									
10/20/2001 [11:00 PM-12:00 AM]	0		20		00	to	to	to	to	to	to	to	to	to	>	*
	•	0	1	25	30	35	40	45	50	55	59	64	69	74		Total
Daily Totals:	^		0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0)	34	4	2	Į.	()	0)	C)	()	0	
•	·			12				Ć		()		ַ ס	55
10/21/2001 [12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [02:00 AM-03:00 AM]	0 .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
10/21/2001 [04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [05:00 AM-06:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [06:00 AM-07:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [07:00 AM-08:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10/21/2001 [08:00 AM-09:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [09:00 AM-10:00 AM]	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
10/21/2001 [10:00 AM-11:00 AM]	0	0	1	3	0	1	0	0	0	0	0	0	0	0	0	5
10/21/2001 [11:00 AM-12:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2001 [12:00 PM-01:00 PM]	0	0	0	1 2	0	0	0	0	0	0	0	0	0	0	0	1 4
10/21/2001 [01:00 PM-02:00 PM]	0	0	2	2	U	U	U	U	U	U	U	U	U	U	U	4
Daily Totals:	C		، 1	4 8	3		(1) ()))		. (0	0.	0	15
Daniel Tatale				•	,	,		1	,	,	(1		0	0	
Report Totals:	C		4 0 7	o 27		9	3)))		ם ט		0	93

Average Speed by Class Report

19/19/2001 [03:00 PM-04:00 PM] 22.67 31.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 10/19/2001 10/19/2001 106:00 PM-06:00 PM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16 mph 10/19/2001 106:00 PM-07:00 PM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16 mph 10/19/2001 106:00 PM-09:00 PM] 21.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 21 mph 10/19/2001 106:00 PM-09:00 PM] 21.00 0.00											
Street W.B. Lemoyne bet Lane:	HI-Star ID: 884	F	Beain: 1	10/19/20	001 02:0	00 PM	End:	10/21/2	2001 02	:00 PM	
Main&Charlotte State: IL Coper: EP	D. C.		-								
State: IL	•		Lanc.				Hours	, 4 0.00	,		
City: LOMBARD County: DUPAGE AADT Factor: 1 AADT Factor: 1 AADT Count: 47 NC97 - Feet 0 21 28 40 50 60 69 81 10/19/2001 [02:00 PM-03:00 PM] 19:33 0.00 18:00 0.00 0.00 0.00 0.00 0.00 0.00 18 mph 10/19/2001 [03:00 PM-04:00 PM] 19:33 0.00 18:00 0.00 0.00 0.00 0.00 0.00 0.00 0.00							D! -	-l. 00			
NC97 - Feet											
NC97 - Feet	City: LOMBARD	F	Posted:	30							
NC97 - Feet	County: DUPAGE	-	AADT F	actor: 1			AADT	Count	: 47		
Date & Time Range											
Date & Time Range	NC97 - Feet	0	21	28	40	50	60	69	81		
10/19/2001 [02:00 PM-03:00 PM]		to	to	to	to	to	to	to	>		
10/19/2001 [02:00 PM-03:00 PM]	Date & Time Range	20	27	39	49	59	68	80		Avg Sp	eed
101912/2001 103:00 PM-04:00 PM											
10/19/2001 [03:00 PM-05:00 PM]	10/19/2001 [02:00 PM-03:00 PM]	19.33	0.00	16.00	0.00	0.00	0.00	0.00	0.00	18	mph
10/19/2001 (05:00 PM-06:00 PM)	10/19/2001 [03:00 PM-04:00 PM]	22.67	31.00	0.00	0.00						mph
107191/2001 107:00 PM-08:00 PM 21:00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	10/19/2001 [04:00 PM-05:00 PM]		0.00								mph
10719 27001	10/19/2001 [05:00 PM-06:00 PM]										mph
10/19/2001 [08:00 PM-09:00 PM]	10/19/2001 [06:00 PM-07:00 PM]										mph
10/19/2001 10:00 PM-10:00 PM	•										
10/15/2001 10:00 PM-11:00 PM 0.00 0.00 0.00 0.00 0.00 0.00 0.00											•
10/19/2001 11:00 PM-12:00 AM											
10/20/2001 12:00 AM-01:00 AM 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0											
10/20/2001 101:00 AM-02:00 AM 0.00											
10/20/2001 102:00 AM-03:00 AM 0.00											
10/20/2001 [03:00 AM-04:00 AM]											
10/20/2001 [04:00 AM-05:00 AM]	-										
10/20/2001 105:00 AM-06:00 AM 16.00 16.00 16.00 0.00											
10/20/2001 108:00 AM-07:00 AM 16.00 16.00 16.00 0.00	•										
10/20/2001 07:00 AM-08:00 AM 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0											•
10/20/2001 [08:00 AM-09:00 AM]											
10/20/2001 [09:00 AM-10:00 AM]											
10/20/2001 [10:00 AM-11:00 AM] 16.00	•										
10/20/2001 11:00 AM-12:00 PM 20.00											
10/20/2001 12:00 PM-01:00 PM 16:00								0.00			•
10/20/2001 101:00 PM-02:00 PM 18.50	- · · · · · · · · · · · · · · · · · · ·	16.00	0.00		0.00	0.00	0.00	0.00		16	mph
10/20/2001 [03:00 PM-03:00 PM]	•	18.50	0.00		0.00	0.00	0.00	0.00		18	mph
10/20/2001 [04:00 PM-05:00 PM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10/20/2001 [02:00 PM-03:00 PM]	17.67	0.00	16.00	0.00	0.00	0.00	0.00	0.00	17	mph
10/20/2001 [05:00 PM-06:00 PM]	10/20/2001 [03:00 PM-04:00 PM]	17.67	26.00	0.00	0.00	0.00	0.00	0.00	0.00	20	mph
10/20/2001 [06:00 PM-07:00 PM] 16:00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	10/20/2001 [04:00 PM-05:00 PM]		0.00					0.00			mph
10/20/2001 [07:00 PM-08:00 PM]	10/20/2001 [05:00 PM-06:00 PM]	22.25	0.00		0.00		0.00	0.00			mph
10/20/2001 [08:00 PM-09:00 PM]	10/20/2001 [06:00 PM-07:00 PM]										mph
10/20/2001 [09:00 PM-10:00 PM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10/20/2001 [07:00 PM-08:00 PM]										
10/20/2001 [10:00 PM-11:00 PM] 0.00											
10/20/2001 [11:00 PM-12:00 AM]	•										mph
10/21/2001 [12:00 AM-01:00 AM] 0.00											
10/21/2001 [01:00 AM-02:00 AM] 0.00	-										
10/21/2001 [02:00 AM-03:00 AM] 0.00	•										
10/21/2001 [03:00 AM-04:00 AM] 0.00											
10/21/2001 [04:00 AM-05:00 AM]	-										
10/21/2001 [05:00 AM-06:00 AM] 26.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	•										
10/21/2001 [06:00 AM-07:00 AM] 21.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0											
10/21/2001 [07:00 AM-08:00 AM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	•										
10/21/2001 [08:00 AM-09:00 AM] 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.											
10/21/2001 [09:00 AM-10:00 AM] 16.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0											
•	-										
[U/E]/EUU [[U.UU /NY " [[, UU /NY]	10/21/2001 [10:00 AM-11:00 AM]	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	

Average Speed by Class Report

End: 10/21/2001 02:00 PM HI-Star ID: 884 Begin: 10/19/2001 02:00 PM Street: W.B. Lemoyne bet Lane: Hours: 48:00 Main&Charlotte Period: 60 State: IL Oper: EP Posted: 30 Raw Count: 94 City: LOMBARD AADT Count: 47 County: DUPAGE AADT Factor: 1 NC97 - Feet 0 21 28 40 50 60 69 81 to to to to to to to Date & Time Range 27 68 80 20 39 49 59 Avg Speed 10/21/2001 [11:00 AM-12:00 PM] 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 mph 10/21/2001 [12:00 PM-01:00 PM] 10/21/2001 [01:00 PM-02:00 PM] 21.00 0.00 0.00 0.00 0.00 0.00 0.00 21 mph 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 18 mph 18.50

16.00

0.00

0.00

0.00

0.00

0.00

18.78 23.50

Report Totals: