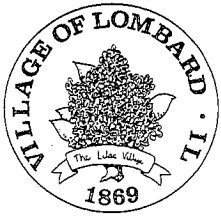


070384



To: Chairperson and Transportation and Safety Committee

Through: Wes Anderson, Director of Public Works

From: David A. Dratnol, P.E., Village Engineer

Date: May 21, 2007

Subject: Request for Multi-Way Stop at Cherry and Hawthorne

Public Works was contacted by Ms. Julie Huttner of 913 S. Cherry Lane requesting a multi-way stop at the intersection of Cherry and Hawthorne. Currently Hawthorne yields to Cherry. Hawthorne is one of the entrances to Madison Meadow Park. This entrance is used by many pedestrians going to the park to run or walk their dog. Traffic on Hawthorne is not yielding to traffic on Cherry and speeds are elevated.

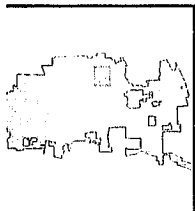
Under normal circumstances a two-way stop on Hawthorne would be warranted. However, because of seasonal park activities, outside visitors and pedestrian traffic, a multi-way stop intersection would bring better control and safety to the area. On July 6, 2001, a multi-way stop was installed 1 block north of this location to improve safety at the intersection of Cherry and Magnolia.

Staff recommends that a multi-way stop be installed at the intersection of Cherry Lane and Hawthorne Circle for the purpose of providing increased pedestrian safety and traffic control.

This item will be on the June 4, 2007 Transportation and Safety Committee agenda. The meeting is held at the Village Hall in the Community Room at 7:00 PM. This is a public meeting and public participation is encouraged.

DD/jj

Cc: Rick Soderstrom, Trustee, District 6
Ms. Julie Huttner of 913 S. Cherry Lane



Cherry and Hawthorne

1 in. = 162.7 feet



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

A study of vehicle traffic was conducted with HI-STAR unit number 811. The study was done in the lane on N.B. Cherry at Hawthorn in Lombard, Il in DuPage county. The study began on 05/01/2007 at 10:30 AM and concluded on 05/03/2007 at 10:30 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 929 vehicles passed through the location with a peak volume of 52 on 05/01/2007 at 04:30 PM and a minimum volume of 0 on 05/02/2007 at 02:30 AM. The AADT Count for this study was 465.

SPEED

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

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	42	276	265	219	74	23	2	1	2	5	2	1	2	1

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 24 mph with 12.3 percent exceeding the posted speed of 30 mph. The HI-STAR found 1.20 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 29.45 mph.

CLASSIFICATION

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

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
840	41	25	7	1	0	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 881 which represents 96.30 percent of the total classified vehicles. The number of Small Trucks in the study was 25 which represents 2.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 7 which represents 0.80 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 05/01/2007 at 04:30 PM the average headway between the vehicles was 67.92 seconds. The slowest traffic period was on 05/02/2007 at 02:30 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 54 and 111 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 811	Begin: 05/01/2007 10:30 AM	End: 05/03/2007 10:30 AM
Street: N.B. Cherry at Hawthorn	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 929
County: DuPage	AADT Factor: 1	AADT Count: 465

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
NC97 - mph																

05/01/2007

[10:30 AM-11:30 AM]	0	0	10	3	10	4	1	0	0	0	1	0	0	0	0	29
[11:30 AM-12:30 PM]	0	1	8	11	11	5	3	0	0	1	0	0	0	0	0	40
[12:30 PM-01:30 PM]	0	5	16	14	3	2	1	0	0	0	0	0	0	0	0	41
[01:30 PM-02:30 PM]	0	2	10	5	5	6	0	1	0	0	0	0	0	0	0	29
[02:30 PM-03:30 PM]	0	0	6	14	6	2	0	0	0	0	0	0	0	0	0	28
[03:30 PM-04:30 PM]	0	3	20	5	7	1	0	0	1	0	0	0	0	1	0	38
[04:30 PM-05:30 PM]	0	2	16	12	17	3	0	0	0	1	0	0	0	1	0	52
[05:30 PM-06:30 PM]	0	1	8	6	14	8	1	0	0	0	1	0	0	0	0	39
[06:30 PM-07:30 PM]	0	0	9	10	17	7	2	0	0	0	0	0	0	0	0	45
[07:30 PM-08:30 PM]	0	1	10	7	3	2	1	0	0	0	0	0	0	0	0	24
[08:30 PM-09:30 PM]	0	0	5	9	9	2	0	0	0	0	0	0	0	0	1	26
[09:30 PM-10:30 PM]	0	0	5	12	5	1	0	0	0	0	0	0	0	0	0	23
[10:30 PM-11:30 PM]	0	3	1	4	1	0	0	0	0	0	0	0	0	0	0	9
[11:30 PM-12:30 AM]	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
	0	18	124	113	111	43	9	1	1	2	2	0	0	2	1	427

Daily Totals: 0 124 111 9 1 2 0 2 1

 18 113 43 1 2 0 2 427

05/02/2007

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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05/02/2007

[12:30 AM-01:30 AM]	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
[01:30 AM-02:30 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
[04:30 AM-05:30 AM]	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
[05:30 AM-06:30 AM]	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
[06:30 AM-07:30 AM]	0	0	2	4	6	0	0	0	0	0	0	0	0	0	0	12
[07:30 AM-08:30 AM]	0	1	6	8	4	1	0	0	0	0	0	0	0	0	0	20
[08:30 AM-09:30 AM]	0	1	1	8	2	3	0	0	0	0	0	0	0	0	0	15
[09:30 AM-10:30 AM]	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	7
[10:30 AM-11:30 AM]	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
[11:30 AM-12:30 PM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
[12:30 PM-01:30 PM]	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
[01:30 PM-02:30 PM]	0	1	12	3	0	0	1	0	0	0	0	0	0	0	0	17
[02:30 PM-03:30 PM]	0	1	15	16	9	2	0	0	0	0	1	0	0	0	0	44
[03:30 PM-04:30 PM]	0	1	15	8	8	2	2	0	0	0	0	0	0	0	0	36
[04:30 PM-05:30 PM]	0	2	13	16	8	3	1	0	0	0	1	0	0	0	0	44
[05:30 PM-06:30 PM]	0	0	10	22	15	1	2	0	0	0	0	0	0	0	0	50
[06:30 PM-07:30 PM]	0	3	10	12	5	7	3	0	0	0	1	0	1	0	0	42
[07:30 PM-08:30 PM]	0	2	18	6	2	5	0	0	0	0	0	0	0	0	0	33
[08:30 PM-09:30 PM]	0	0	6	10	4	2	1	0	0	0	0	0	0	0	0	23
[09:30 PM-10:30 PM]	0	0	4	5	9	0	2	0	0	0	0	0	0	0	0	20
[10:30 PM-11:30 PM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
[11:30 PM-12:30 AM]	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
	0	19	123	129	78	27	12	0	0	0	3	0	1	0	0	392

Daily Totals: 0 19 123 129 78 27 12 0 0 0 3 0 1 0 0 392

05/03/2007

[12:30 AM-01:30 AM]	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
[01:30 AM-02:30 AM]	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 AM-05:30 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
[05:30 AM-06:30 AM]	0	0	2	2	0	0	0	0	0	0	0	2	0	0	0	6
[06:30 AM-07:30 AM]	0	1	3	3	9	0	0	0	0	0	0	0	0	0	0	16
[07:30 AM-08:30 AM]	0	1	5	6	6	0	1	1	0	0	0	0	0	0	0	20
[08:30 AM-09:30 AM]	0	1	14	4	6	1	0	0	0	0	0	0	0	0	0	26
[09:30 AM-10:30 AM]	0	2	4	7	6	3	1	0	0	0	0	0	0	0	0	23
	0	5	29	23	30	4	2	1	0	0	0	2	0	0	0	96

Daily Totals: 0 5 29 23 30 4 2 1 0 0 0 2 0 0 0 96

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
Report Totals:	0	42	276	265	219	74	23	2	1	2	5	2	1	2	1	915

Report Percentages: 0.00% 30.16% 23.93% 2.51% 0.11% 0.55% 0.11% 0.11%
 4.59% 28.96% 8.09% 0.22% 0.22% 0.22% 0.22%

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

A study of vehicle traffic was conducted with HI-STAR unit number 883. The study was done in the lane on S.B. Cherry at Hawthorn in Lombard, Il in DuPage county. The study began on 05/01/2007 at 10:30 AM and concluded on 05/03/2007 at 10:30 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 636 vehicles passed through the location with a peak volume of 32 on 05/02/2007 at 06:30 PM and a minimum volume of 0 on 05/02/2007 at 01:30 AM. The AADT Count for this study was 318.

SPEED

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

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >
0	19	47	173	264	97	17	5	3	1	1	1	3	1	1

At least half of the vehicles were traveling in the 25 - 29 mph range or a lower speed. The average speed for all classified vehicles was 27 mph with 20.5 percent exceeding the posted speed of 30 mph. The HI-STAR found 1.11 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 25 mph and the 85th percentile was 31.81 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 69	70 to 79	80 to >
578	30	18	5	1	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 608 which represents 96.10 percent of the total classified vehicles. The number of Small Trucks in the study was 18 which represents 2.80 percent of the total classified vehicles. The number of Trucks/Buses in the study was 5 which represents 0.80 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 05/02/2007 at 06:30 PM the average headway between the vehicles was 109.09 seconds. The slowest traffic period was on 05/02/2007 at 01:30 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 54 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: 883	Begin: 05/01/2007 10:30 AM	End: 05/03/2007 10:30 AM
Street: S.B. Cherry at Hawthorn	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 636
County: DuPage	AADT Factor: 1	AADT Count: 318

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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05/01/2007

[10:30 AM-11:30 AM]	0	2	0	10	8	1	0	1	0	0	0	0	0	0	0	22
[11:30 AM-12:30 PM]	0	0	1	3	6	1	0	0	0	0	0	0	0	0	0	11
[12:30 PM-01:30 PM]	0	0	1	2	9	4	2	0	0	0	0	0	0	0	0	18
[01:30 PM-02:30 PM]	0	0	1	1	9	4	0	0	0	0	0	0	0	0	0	15
[02:30 PM-03:30 PM]	0	1	1	5	9	2	0	0	0	0	0	0	0	0	0	18
[03:30 PM-04:30 PM]	0	1	0	9	4	1	0	0	0	0	0	0	0	0	0	15
[04:30 PM-05:30 PM]	0	1	0	4	12	9	1	1	0	0	0	0	0	0	0	28
[05:30 PM-06:30 PM]	0	1	1	6	17	4	1	0	0	0	0	1	0	0	0	31
[06:30 PM-07:30 PM]	0	1	1	4	11	3	0	0	0	0	0	0	0	0	1	21
[07:30 PM-08:30 PM]	0	0	4	6	5	3	1	0	0	0	0	0	0	0	0	19
[08:30 PM-09:30 PM]	0	0	0	0	5	4	1	0	0	0	0	0	0	0	0	10
[09:30 PM-10:30 PM]	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	4
[10:30 PM-11:30 PM]	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
[11:30 PM-12:30 AM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	0	7	10	55	98	37	6	2	0	0	0	1	0	0	1	217

Daily Totals:	0	7	10	55	98	37	6	2	0	0	0	1	0	0	1	217
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05/02/2007

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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05/02/2007

[12:30 AM-01:30 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
[01:30 AM-02:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
[04:30 AM-05:30 AM]	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
[05:30 AM-06:30 AM]	0	0	1	4	5	1	0	0	0	0	0	0	0	0	0	11
[06:30 AM-07:30 AM]	0	1	1	6	10	4	0	1	0	1	0	0	0	0	0	24
[07:30 AM-08:30 AM]	0	0	4	5	5	1	1	0	1	0	0	0	1	0	0	18
[08:30 AM-09:30 AM]	0	0	1	3	11	6	1	0	0	0	0	0	0	0	0	22
[09:30 AM-10:30 AM]	0	0	2	3	4	3	0	0	0	0	0	0	0	0	0	12
[10:30 AM-11:30 AM]	0	1	2	3	3	3	0	0	1	0	0	0	0	0	0	13
[11:30 AM-12:30 PM]	0	0	2	7	10	1	0	0	0	0	0	0	0	0	0	20
[12:30 PM-01:30 PM]	0	0	1	9	9	2	0	0	0	0	0	0	0	0	0	21
[01:30 PM-02:30 PM]	0	0	1	5	8	1	0	0	0	0	0	0	0	0	0	15
[02:30 PM-03:30 PM]	0	0	1	5	5	1	1	0	0	0	0	0	1	0	0	14
[03:30 PM-04:30 PM]	0	1	1	5	7	1	0	0	0	0	0	0	0	0	0	15
[04:30 PM-05:30 PM]	0	1	3	9	13	4	0	0	0	0	0	0	0	0	0	30
[05:30 PM-06:30 PM]	0	0	2	9	12	5	1	0	0	0	0	0	0	0	0	29
[06:30 PM-07:30 PM]	0	1	1	8	15	3	2	0	0	0	0	0	1	1	0	32
[07:30 PM-08:30 PM]	0	2	1	6	6	2	0	0	0	0	0	0	0	0	0	17
[08:30 PM-09:30 PM]	0	0	1	2	6	2	0	0	0	0	0	0	0	0	0	11
[09:30 PM-10:30 PM]	0	0	0	3	2	4	0	0	0	0	0	0	0	0	0	9
[10:30 PM-11:30 PM]	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
[11:30 PM-12:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	7	27	94	134	44	7	1	2	1	0	0	3	1	0	321

Daily Totals: 0 7 27 94 134 44 7 1 2 1 0 0 3 1 0 321

05/03/2007

[12:30 AM-01:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:30 AM-02:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 AM-05:30 AM]	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
[05:30 AM-06:30 AM]	0	1	3	4	4	0	0	0	0	0	0	0	0	0	0	12
[06:30 AM-07:30 AM]	0	1	1	8	12	4	1	1	0	0	0	0	0	0	0	28
[07:30 AM-08:30 AM]	0	2	3	6	6	9	2	1	1	0	0	0	0	0	0	30
[08:30 AM-09:30 AM]	0	0	2	3	8	0	0	0	0	0	1	0	0	0	0	14
[09:30 AM-10:30 AM]	0	1	0	3	2	2	1	0	0	0	0	0	0	0	0	9
	0	5	10	24	32	16	4	2	1	0	1	0	0	0	0	95

Daily Totals: 0 5 10 24 32 16 4 2 1 0 1 0 0 0 0 95

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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Report Totals: 0 47 264 17 3 1 1 3 1 1 633

 19 173 97 5 1 1 1 1

Report Percentages: 0.00% 7.42% 41.71% 2.69% 0.47% 0.16% 0.47% 0.16%

 3.00% 27.33% 15.32% 0.79% 0.16% 0.16% 0.16%

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: E.B. Hawthorn ay Cherry**

A study of vehicle traffic was conducted with HI-STAR unit number 2964. The study was done in the lane on E.B. Hawthorn ay Cherry in Lombard, Il in DuPage county. The study began on 05/01/2007 at 10:30 AM and concluded on 05/03/2007 at 10:30 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 34 vehicles passed through the location with a peak volume of 4 on 05/01/2007 at 12:30 PM and a minimum volume of 0 on 05/01/2007 at 10:30 AM. The AADT Count for this study was 17.

SPEED

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

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	9	21	3	1	0	0	0	0	0	0	0	0	0	0

At least half of the vehicles were traveling in the 15 - 19 mph range or a lower speed. The average speed for all classified vehicles was 17 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 55 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 19.74 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 69	70 to 79	80 >
33	1	0	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 34 which represents 100.00 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/Buses 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 05/01/2007 at 12:30 PM the average headway between the vehicles was 720.0 seconds. The slowest traffic period was on 05/01/2007 at 10:30 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 54 and 113 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2964	Begin: 05/01/2007 10:30 AM	End: 05/03/2007 10:30 AM
Street: E.B. Hawthorn ay Cherry	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 34
County: DuPage	AADT Factor: 1	AADT Count: 17

	0	10	15	20	25	30	35	40	45	50	55	60	65	70	75	>	Total
NC97 - mph	9	14	19	24	29	34	39	44	49	54	59	64	69	74			

05/01/2007

[10:30 AM-11:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[11:30 AM-12:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[12:30 PM-01:30 PM]	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	4
[01:30 PM-02:30 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[02:30 PM-03:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 PM-04:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 PM-05:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:30 PM-06:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[06:30 PM-07:30 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[07:30 PM-08:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[08:30 PM-09:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[09:30 PM-10:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[10:30 PM-11:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[11:30 PM-12:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	9	1	0	0	0	0	0	0	0	0	0	0	0	0	11

Daily Totals: 0 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 11

05/02/2007

Time/Speed Report

NC97 - mph	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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05/02/2007

[12:30 AM-01:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:30 AM-02:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 AM-05:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:30 AM-06:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[06:30 AM-07:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[07:30 AM-08:30 AM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
[08:30 AM-09:30 AM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
[09:30 AM-10:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[10:30 AM-11:30 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[11:30 AM-12:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[12:30 PM-01:30 PM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[01:30 PM-02:30 PM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[02:30 PM-03:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 PM-04:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[04:30 PM-05:30 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[05:30 PM-06:30 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[06:30 PM-07:30 PM]	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	4
[07:30 PM-08:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[08:30 PM-09:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[09:30 PM-10:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[10:30 PM-11:30 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[11:30 PM-12:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	5	11	2	1	0	0	0	0	0	0	0	0	0	0	19

Daily Totals: 0 5 11 2 1 0 0 0 0 0 0 0 0 0 0 19

05/03/2007

[12:30 AM-01:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:30 AM-02:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30 AM-03:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30 AM-04:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 AM-05:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:30 AM-06:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[06:30 AM-07:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[07:30 AM-08:30 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[08:30 AM-09:30 AM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
[09:30 AM-10:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4

Daily Totals: 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 4

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
NC97 - mph	0	9	21	3	1	0	0	0	0	0	0	0	0	0	0	34

Report Percentages: 0.00% 61.76% 2.94% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%

 26.47% 8.82% 0.00% 0.00% 0.00% 0.00% 0.00%

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: W.B. Hawthorn ay Cherry**

A study of vehicle traffic was conducted with HI-STAR unit number 2876. The study was done in the lane on W.B. Hawthorn ay Cherry in Lombard, Il in DuPage county. The study began on 05/01/2007 at 10:30 AM and concluded on 05/03/2007 at 10:30 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 566 vehicles passed through the location with a peak volume of 35 on 05/02/2007 at 07:30 AM and a minimum volume of 0 on 05/02/2007 at 12:30 AM. The AADT Count for this study was 283.

SPEED

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

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	14	64	258	179	36	6	2	0	3	2	0	0	0	0

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 24 mph with 8.69 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.35 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 29.01 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 69	70 to 79	80 >
538	20	6	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 558 which represents 98.90 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 1.10 percent of the total classified vehicles. The number of Trucks/Buses 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 05/02/2007 at 07:30 AM the average headway between the vehicles was 100.0 seconds. The slowest traffic period was on 05/02/2007 at 12:30 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 52 and 111 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2876	Begin: 05/01/2007 10:30 AM	End: 05/03/2007 10:30 AM
Street: W.B. Hawthorn ay Cherry	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 566
County: DuPage	AADT Factor: 1	AADT Count: 283

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
NC97 - mph	9	14	19	24	29	34	39	44	49	54	59	64	69	74		

05/01/2007

[10:30 AM-11:30 AM]	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
[11:30 AM-12:30 PM]	0	0	1	3	10	1	0	0	0	0	0	0	0	0	0	15
[12:30 PM-01:30 PM]	0	0	1	4	2	2	0	0	0	0	0	0	0	0	0	9
[01:30 PM-02:30 PM]	0	2	3	4	6	0	0	0	0	0	0	0	0	0	0	15
[02:30 PM-03:30 PM]	0	0	2	6	9	2	0	0	0	1	0	0	0	0	0	20
[03:30 PM-04:30 PM]	0	2	4	8	5	2	0	0	0	0	0	0	0	0	0	21
[04:30 PM-05:30 PM]	0	1	4	14	7	4	0	0	0	0	0	0	0	0	0	30
[05:30 PM-06:30 PM]	0	1	2	8	8	1	0	0	0	1	1	0	0	0	0	22
[06:30 PM-07:30 PM]	0	0	1	4	2	0	1	0	0	0	0	0	0	0	0	8
[07:30 PM-08:30 PM]	0	0	1	4	1	0	1	0	0	1	0	0	0	0	0	8
[08:30 PM-09:30 PM]	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
[09:30 PM-10:30 PM]	0	1	3	0	2	1	0	0	0	0	0	0	0	0	0	7
[10:30 PM-11:30 PM]	0	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
[11:30 PM-12:30 AM]	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
	0	8	23	61	60	13	2	0	0	3	1	0	0	0	0	171

Daily Totals: 0 8 23 61 60 13 2 0 0 3 1 0 0 0 0 171

05/02/2007

Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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05/02/2007

[12:30 AM-01:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:30 AM-02:30 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
[02:30 AM-03:30 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
[03:30 AM-04:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:30 AM-05:30 AM]	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
[05:30 AM-06:30 AM]	0	0	1	5	1	0	0	0	0	0	0	0	0	0	0	7
[06:30 AM-07:30 AM]	0	0	2	9	0	1	0	0	0	0	0	0	0	0	0	12
[07:30 AM-08:30 AM]	0	1	3	15	11	3	1	1	0	0	0	0	0	0	0	35
[08:30 AM-09:30 AM]	0	0	1	5	5	0	0	0	0	0	0	0	0	0	0	11
[09:30 AM-10:30 AM]	0	0	1	3	7	1	0	0	0	0	0	0	0	0	0	12
[10:30 AM-11:30 AM]	0	0	0	8	2	0	0	0	0	0	0	0	0	0	0	10
[11:30 AM-12:30 PM]	0	0	1	14	3	0	0	0	0	0	0	0	0	0	0	18
[12:30 PM-01:30 PM]	0	0	2	2	7	0	0	0	0	0	0	0	0	0	0	11
[01:30 PM-02:30 PM]	0	0	1	6	1	0	1	0	0	0	0	0	0	0	0	9
[02:30 PM-03:30 PM]	0	0	5	12	10	2	0	0	0	0	1	0	0	0	0	30
[03:30 PM-04:30 PM]	0	0	3	11	3	3	1	0	0	0	0	0	0	0	0	21
[04:30 PM-05:30 PM]	0	1	3	15	13	2	0	0	0	0	0	0	0	0	0	34
[05:30 PM-06:30 PM]	0	0	1	16	12	5	0	0	0	0	0	0	0	0	0	34
[06:30 PM-07:30 PM]	0	0	0	5	6	0	1	0	0	0	0	0	0	0	0	12
[07:30 PM-08:30 PM]	0	0	2	2	7	2	0	1	0	0	0	0	0	0	0	14
[08:30 PM-09:30 PM]	0	0	3	6	1	0	0	0	0	0	0	0	0	0	0	10
[09:30 PM-10:30 PM]	0	1	1	5	1	0	0	0	0	0	0	0	0	0	0	8
[10:30 PM-11:30 PM]	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
[11:30 PM-12:30 AM]	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
	0	3	31	144	95	19	4	2	0	0	1	0	0	0	0	299

Daily Totals:

	0	3	31	144	95	19	4	2	0	0	1	0	0	0	0	299
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05/03/2007

[12:30 AM-01:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:30 AM-02:30 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30 AM-03:30 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
[03:30 AM-04:30 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
[04:30 AM-05:30 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
[05:30 AM-06:30 AM]	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	6
[06:30 AM-07:30 AM]	0	1	3	6	4	0	0	0	0	0	0	0	0	0	0	14
[07:30 AM-08:30 AM]	0	0	1	22	9	2	0	0	0	0	0	0	0	0	0	34
[08:30 AM-09:30 AM]	0	0	4	15	5	1	0	0	0	0	0	0	0	0	0	25
[09:30 AM-10:30 AM]	0	2	1	3	5	1	0	0	0	0	0	0	0	0	0	12
	0	3	10	53	24	4	0	0	0	0	0	0	0	0	0	94

Daily Totals:

	0	3	10	53	24	4	0	0	0	0	0	0	0	0	0	94
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Time/Speed Report

	0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >	Total
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Report Totals: 0 64 179 6 0 2 0 0 3 2 0 0 0 564

14 258 36 2 3 0 0

Report Percentages: 0.00% 11.35% 31.74% 1.06% 0.00% 0.35% 0.00% 0.00%

2.48% 45.74% 6.38% 0.35% 0.53% 0.00% 0.00%