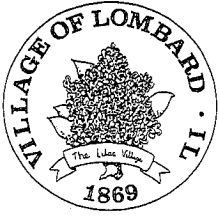


070385



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 Fairfield and Harding

A handwritten signature in black ink, appearing to read "Wes Anderson", is written over the "Through:" line. Below the signature are some initials, possibly "DD".

Public Works was contacted by John and Elizabeth Seybold of 643 S. Fairfield Avenue requesting a multi-way stop at the intersection of Fairfield and Harding. Harding currently stops at Fairfield due to poor sight distance which has worsened over the years. The sight distance issue is caused by an evergreen bush on the southwest corner that is quite overgrown. An additional issue in the immediate area is the fact that Harding east of Fairfield is the entrance to the Madison Meadows Park parking lot. During sporting events, traffic is significantly increased. Several exhibits have been attached for your review. All photographs are taken from a vehicle on eastbound Harding, the west leg of the intersection.

Exhibit A – View from a vehicle that is stopped at the stop bar.

Exhibit B. – View from a vehicle stopped at the west curb line of Fairfield. In this position, the vehicle blocks the crosswalk entirely.

Exhibit C – View from a vehicle stopped in front of the stop bar and behind the crosswalk.

Although a vehicle positioned as in Exhibit C, does appear to have good sight distance, elevated speeds on Fairfield still cause the sight distance to be inadequate. To better control traffic and create a safer environment for pedestrians at the intersection of Harding and Fairfield, staff recommends installation of a multi-way stop.

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
John and Elizabeth Seybold of 643 S. Fairfield Avenue



Fairfield and Harding

1 in. = 162.7 feet

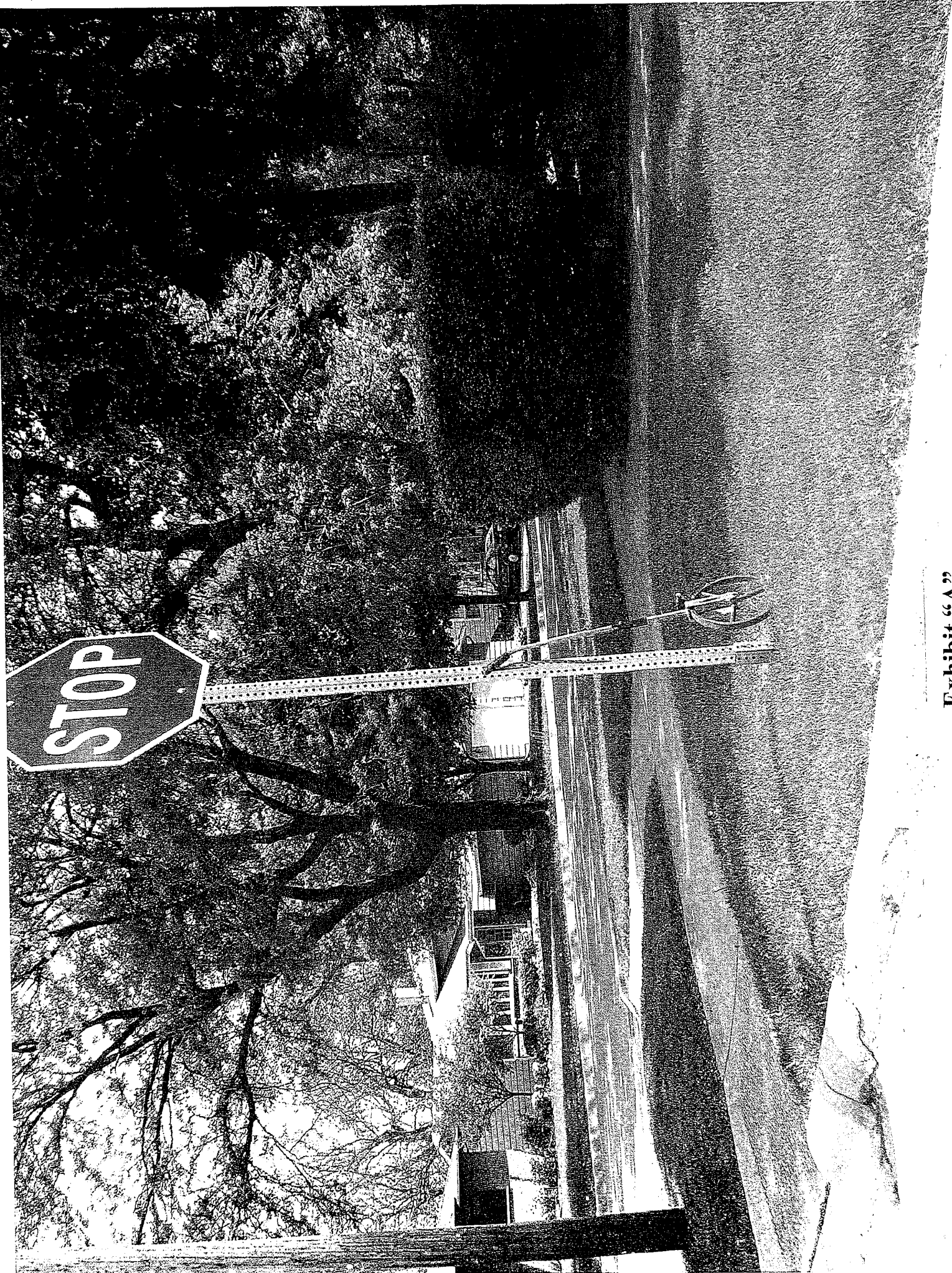


Exhibit "A"

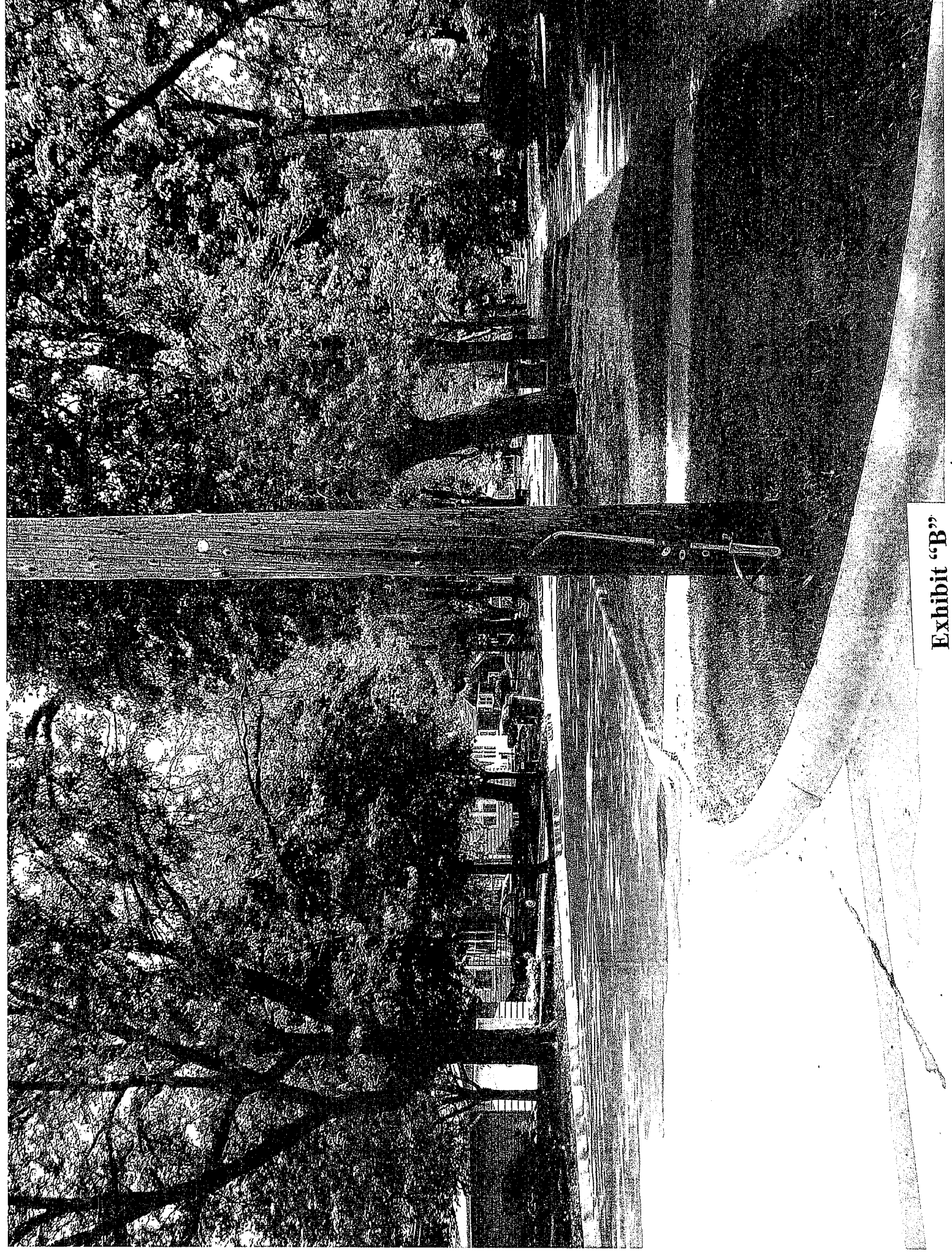


Exhibit "B"

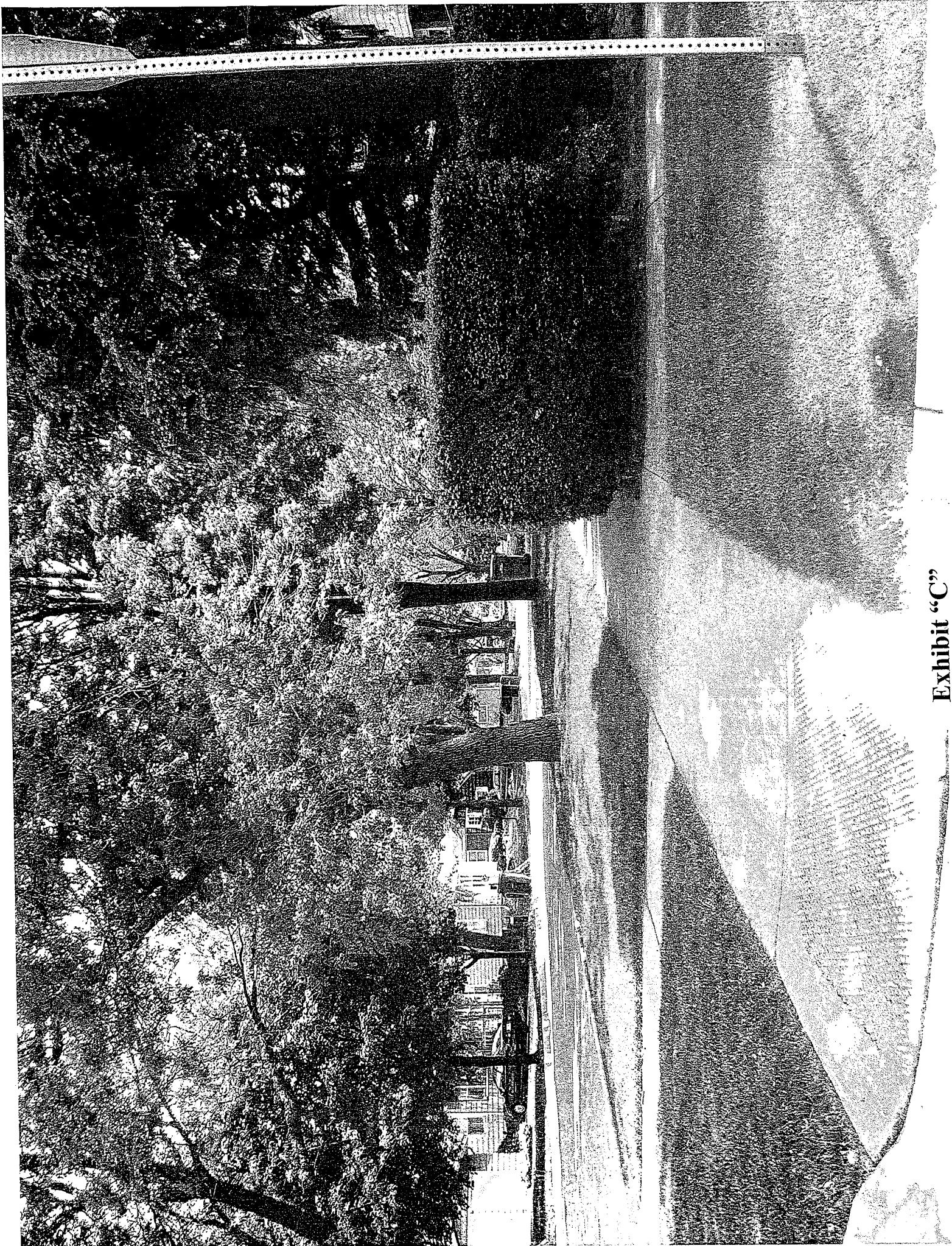


Exhibit "C"

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

A study of vehicle traffic was conducted with HI-STAR unit number 811. The study was done in the lane on S.B.Fairfield at Harding in Lombard, Il in DuPage county. The study began on 07/10/2007 at 02:00 PM and concluded on 07/12/2007 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 1,598 vehicles passed through the location with a peak volume of 89 on 07/11/2007 at 06:00 PM and a minimum volume of 1 on 07/11/2007 at 04:00 AM. The AADT Count for this study was 799.

SPEED

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

Chart 1

0	10	15	20	25	30	35	40	45	50	55	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	>
9	14	19	24	29	34	39	44	49	54	59	64	69	74	
0	60	145	301	610	376	81	11	3	1	1	1	1	1	0

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 29.9 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.25 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 33.15 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	70	80
to	to	to	to	to	to	to	>
20	27	39	49	59	69	79	
1501	62	20	7	1	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,563 which represents 98.20 percent of the total classified vehicles. The number of Small Trucks in the study was 20 which represents 1.30 percent of the total classified vehicles. The number of Trucks/Buses in the study was 7 which represents 0.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/11/2007 at 06:00 PM the average headway between the vehicles was 40.0 seconds. The slowest traffic period was on 07/11/2007 at 04:00 AM. During this slowest period, the average headway was 1800.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 70 and 121 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: 07/10/2007 02:00 PM	End: 07/12/2007 02:00 PM
Street: S.B.Fairfield at Harding	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 1598
County: DuPage	AADT Factor: 1	AADT Count: 799

	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																

07/10/2007

[02:00 PM-03:00 PM]	0	0	2	10	16	15	1	0	0	0	0	0	0	0	0	44
[03:00 PM-04:00 PM]	0	2	5	6	20	15	3	1	0	0	0	0	0	0	0	52
[04:00 PM-05:00 PM]	0	0	3	6	25	20	4	1	1	0	0	0	0	0	0	60
[05:00 PM-06:00 PM]	0	2	4	9	24	8	3	1	0	0	0	0	0	0	0	51
[06:00 PM-07:00 PM]	0	3	5	3	28	5	2	0	0	0	0	0	0	0	0	46
[07:00 PM-08:00 PM]	0	2	2	16	9	6	1	0	0	0	0	0	0	0	0	36
[08:00 PM-09:00 PM]	0	1	4	15	4	6	2	1	0	0	0	0	0	0	0	33
[09:00 PM-10:00 PM]	0	1	1	6	7	2	0	0	0	0	0	0	0	0	0	17
[10:00 PM-11:00 PM]	0	0	0	2	8	3	0	0	0	0	0	0	0	0	0	13
[11:00 PM-12:00 AM]	0	0	1	4	2	0	1	0	0	0	0	0	0	0	0	8
	0	11	27	77	143	80	17	4	1	0	0	0	0	0	0	360

Daily Totals: 0 11 27 77 143 80 17 4 1 0 0 0 0 0 0 360

07/11/2007

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
07/11/2007																
[12:00 AM-01:00 AM]	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	4
[01:00 AM-02:00 AM]	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
[02:00 AM-03:00 AM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
[03:00 AM-04:00 AM]	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
[04:00 AM-05:00 AM]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
[05:00 AM-06:00 AM]	0	0	0	4	2	3	0	0	0	0	0	0	0	0	0	9
[06:00 AM-07:00 AM]	0	0	0	4	8	11	2	0	0	0	0	0	0	0	0	25
[07:00 AM-08:00 AM]	0	0	2	5	24	15	5	1	0	0	0	0	0	1	0	53
[08:00 AM-09:00 AM]	0	1	1	5	16	17	3	0	0	0	0	0	0	0	0	43
[09:00 AM-10:00 AM]	0	1	5	8	18	11	3	0	0	0	0	0	0	0	0	46
[10:00 AM-11:00 AM]	0	3	3	8	16	10	1	0	0	0	0	0	0	0	0	41
[11:00 AM-12:00 PM]	0	1	0	5	13	15	4	0	0	0	0	0	0	0	0	38
[12:00 PM-01:00 PM]	0	0	3	5	27	10	4	1	0	0	0	0	0	0	0	50
[01:00 PM-02:00 PM]	0	1	2	11	10	9	0	0	0	0	0	0	0	0	0	33
[02:00 PM-03:00 PM]	0	1	3	7	22	17	2	1	0	0	0	0	0	0	0	53
[03:00 PM-04:00 PM]	0	3	3	6	16	13	3	1	1	0	0	0	0	0	0	46
[04:00 PM-05:00 PM]	0	3	4	9	24	24	6	2	0	0	0	0	0	0	0	72
[05:00 PM-06:00 PM]	0	3	7	13	27	18	5	0	0	0	0	0	0	0	0	73
[06:00 PM-07:00 PM]	0	14	13	15	30	13	3	0	0	0	0	0	0	0	0	88
[07:00 PM-08:00 PM]	0	2	12	13	21	8	2	0	0	0	0	0	1	0	0	59
[08:00 PM-09:00 PM]	0	2	18	15	17	8	1	0	0	0	0	0	0	0	0	61
[09:00 PM-10:00 PM]	0	5	11	7	7	3	0	0	0	0	0	0	0	0	0	33
[10:00 PM-11:00 PM]	0	0	1	9	10	2	0	1	0	0	0	0	0	0	0	23
[11:00 PM-12:00 AM]	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	6
	0	40	92	154	315	212	44	7	1	0	0	0	1	1	0	867

Daily Totals: 0 40 92 154 315 212 44 7 1 0 0 0 1 1 0 867

07/12/2007

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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07/12/2007

[12:00 AM-01:00 AM]	0	0	0	2	4	2	1	0	0	0	0	0	0	0	0	9
[01:00 AM-02:00 AM]	0	0	0	0	3	0	1	0	0	1	0	0	0	0	0	5
[02:00 AM-03:00 AM]	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
[03:00 AM-04:00 AM]	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
[04:00 AM-05:00 AM]	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
[05:00 AM-06:00 AM]	0	0	1	0	2	2	0	0	0	0	0	0	0	0	0	5
[06:00 AM-07:00 AM]	0	1	0	7	8	9	2	0	1	0	0	0	0	0	0	28
[07:00 AM-08:00 AM]	0	0	1	7	17	11	3	0	0	0	0	0	0	0	0	39
[08:00 AM-09:00 AM]	0	0	3	9	25	15	5	0	0	0	0	0	0	0	0	57
[09:00 AM-10:00 AM]	0	1	6	3	21	4	1	0	0	0	1	0	0	0	0	37
[10:00 AM-11:00 AM]	0	0	4	8	19	13	3	0	0	0	0	1	0	0	0	48
[11:00 AM-12:00 PM]	0	5	5	11	23	6	1	0	0	0	0	0	0	0	0	51
[12:00 PM-01:00 PM]	0	2	3	8	15	14	2	0	0	0	0	0	0	0	0	44
[01:00 PM-02:00 PM]	0	0	2	11	11	8	1	0	0	0	0	0	0	0	0	33
	0	9	26	70	152	84	20	0	1	1	1	1	0	0	0	365

Daily Totals:	0	9	26	70	152	84	20	0	1	1	1	1	0	0	0	365
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Report Totals:	0	60	145	301	610	376	81	11	3	1	1	1	1	1	0	1592
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Report Percentages:	0.00%	3.77%	9.11%	18.91%	38.32%	23.62%	5.09%	0.69%	0.19%	0.06%	0.06%	0.06%	0.06%	0.00%	0.00%	
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**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: N.B.Fairfield at Harding**

A study of vehicle traffic was conducted with HI-STAR unit number 2963. The study was done in the lane on N.B.Fairfield at Harding in Lombard, Il in DuPage county. The study began on 07/10/2007 at 02:00 PM and concluded on 07/12/2007 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 2,361 vehicles passed through the location with a peak volume of 117 on 07/10/2007 at 04:00 PM and a minimum volume of 2 on 07/12/2007 at 02:00 AM. The AADT Count for this study was 1,181.

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	49	211	412	917	594	129	30	7	1	1	5	0	2	2

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 28 mph with 32.6 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.42 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 33.51 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 >
2279	56	16	6	1	1	1	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 2,335 which represents 98.90 percent of the total classified vehicles. The number of Small Trucks in the study was 16 which represents 0.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 6 which represents 0.30 percent of the total classified vehicles. The number of Tractor Trailers in the study was 3 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/10/2007 at 04:00 PM the average headway between the vehicles was 30.51 seconds. The slowest traffic period was on 07/12/2007 at 02:00 AM. During this slowest period, the average headway was 1200.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 68 and 89 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2963	Begin: 07/10/2007 02:00 PM	End: 07/12/2007 02:00 PM
Street: N.B.Fairfield at Harding	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 2361
County: DuPage	AADT Factor: 1	AADT Count: 1181

	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																

07/10/2007

[02:00 PM-03:00 PM]	0	1	5	6	23	25	2	0	0	0	0	0	0	0	0	62
[03:00 PM-04:00 PM]	0	4	5	11	30	36	4	0	1	0	0	1	0	0	0	92
[04:00 PM-05:00 PM]	0	1	4	15	58	30	5	4	0	0	0	0	0	0	0	117
[05:00 PM-06:00 PM]	0	1	6	17	54	24	9	1	0	0	0	0	0	0	0	112
[06:00 PM-07:00 PM]	0	3	15	14	41	27	4	2	1	0	0	0	0	0	0	107
[07:00 PM-08:00 PM]	0	3	3	15	22	23	3	1	0	0	0	0	0	0	0	70
[08:00 PM-09:00 PM]	0	1	3	18	25	15	2	1	0	0	0	0	0	0	0	65
[09:00 PM-10:00 PM]	0	0	1	21	19	7	1	0	0	0	0	0	0	0	0	49
[10:00 PM-11:00 PM]	0	1	2	7	15	8	1	0	0	0	0	0	0	0	0	34
[11:00 PM-12:00 AM]	0	0	2	5	8	4	0	0	0	0	0	0	0	0	0	19
	0	15	46	129	295	199	31	9	2	0	0	1	0	0	0	727

Daily Totals: 0 15 46 129 295 199 31 9 2 0 0 1 0 0 0 727

07/11/2007

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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07/11/2007

[12:00 AM-01:00 AM]	0	0	1	1	1	2	0	1	0	0	0	0	0	0	0	6
[01:00 AM-02:00 AM]	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	6
[02:00 AM-03:00 AM]	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6
[03:00 AM-04:00 AM]	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
[04:00 AM-05:00 AM]	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
[05:00 AM-06:00 AM]	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	4
[06:00 AM-07:00 AM]	0	0	0	2	4	6	2	0	0	0	0	1	0	1	0	16
[07:00 AM-08:00 AM]	0	1	4	4	11	12	6	0	0	0	0	0	0	0	0	38
[08:00 AM-09:00 AM]	0	1	2	4	18	11	4	0	0	0	0	0	0	0	0	40
[09:00 AM-10:00 AM]	0	0	4	5	10	8	5	0	0	0	0	0	0	0	0	32
[10:00 AM-11:00 AM]	0	1	3	7	19	19	2	1	0	1	0	1	0	0	0	54
[11:00 AM-12:00 PM]	0	2	4	7	25	16	6	2	1	0	0	0	0	0	0	63
[12:00 PM-01:00 PM]	0	2	8	10	25	13	3	1	1	0	0	1	0	0	0	64
[01:00 PM-02:00 PM]	0	3	4	10	21	20	4	0	0	0	0	0	0	0	0	62
[02:00 PM-03:00 PM]	0	1	4	11	20	16	1	3	1	0	0	0	0	0	0	57
[03:00 PM-04:00 PM]	0	2	5	13	33	19	6	1	0	0	1	0	0	0	0	80
[04:00 PM-05:00 PM]	0	1	10	19	52	24	7	1	0	0	0	0	0	0	0	114
[05:00 PM-06:00 PM]	0	0	14	20	34	33	10	1	0	0	0	0	0	0	1	113
[06:00 PM-07:00 PM]	0	2	12	21	46	20	5	2	0	0	0	0	0	0	1	109
[07:00 PM-08:00 PM]	0	5	22	30	35	15	6	2	1	0	0	0	0	1	0	117
[08:00 PM-09:00 PM]	0	3	23	21	34	22	2	1	0	0	0	0	0	0	0	106
[09:00 PM-10:00 PM]	0	2	11	21	32	8	3	0	0	0	0	0	0	0	0	77
[10:00 PM-11:00 PM]	0	0	1	4	15	13	2	0	0	0	0	0	0	0	0	35
[11:00 PM-12:00 AM]	0	0	1	1	8	5	1	0	0	0	0	0	0	0	0	16
	0	26	134	216	449	290	77	16	4	1	1	3	0	2	2	1221

Daily Totals: 0 26 134 216 449 290 77 16 4 1 1 3 0 2 2 1221

07/12/2007

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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07/12/2007

[12:00 AM-01:00 AM]	0	0	1	2	9	2	0	0	0	0	0	0	0	0	0	14
[01:00 AM-02:00 AM]	0	0	0	0	5	1	1	0	0	0	0	0	0	0	0	7
[02:00 AM-03:00 AM]	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
[03:00 AM-04:00 AM]	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
[04:00 AM-05:00 AM]	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
[05:00 AM-06:00 AM]	0	0	1	0	5	1	0	0	0	0	0	0	0	0	0	7
[06:00 AM-07:00 AM]	0	0	1	3	5	3	0	1	0	0	0	0	0	0	0	13
[07:00 AM-08:00 AM]	0	1	1	7	15	9	3	0	0	0	0	0	0	0	0	36
[08:00 AM-09:00 AM]	0	0	2	2	19	11	9	1	0	0	0	0	0	0	0	44
[09:00 AM-10:00 AM]	0	1	1	4	19	12	1	0	0	0	0	0	0	0	0	38
[10:00 AM-11:00 AM]	0	2	6	7	24	6	1	0	0	0	0	0	0	0	0	46
[11:00 AM-12:00 PM]	0	1	3	14	25	19	1	0	0	0	0	0	0	0	0	63
[12:00 PM-01:00 PM]	0	2	13	14	22	19	3	0	0	0	0	0	0	0	0	73
[01:00 PM-02:00 PM]	0	1	1	14	23	19	2	2	1	0	0	1	0	0	0	64
	0	8	31	67	173	105	21	5	1	0	0	1	0	0	0	412

Daily Totals:	0	8	31	67	173	105	21	5	1	0	0	1	0	0	0	412
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Report Totals:	0	49	211	412	917	594	129	30	7	1	5	1	0	2	2	2360
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Report Percentages:	0.00%	2.08%	8.94%	17.46%	38.86%	25.17%	5.47%	1.27%	0.30%	0.04%	0.04%	0.21%	0.00%	0.08%	0.08%	
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**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Lombard
Street: E.B.Harding at Fairfield**

A study of vehicle traffic was conducted with HI-STAR unit number 6784. The study was done in the lane on E.B.Harding at Fairfield in Lombard, Il in DuPage county. The study began on 07/10/2007 at 02:00 PM and concluded on 07/12/2007 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 116 vehicles passed through the location with a peak volume of 10 on 07/11/2007 at 05:00 PM and a minimum volume of 0 on 07/10/2007 at 11:00 PM. The AADT Count for this study was 58.

SPEED

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

Chart 1

0	10	15	20	25	30	35	40	45	50	55	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	>
9	14	19	24	29	34	39	44	49	54	59	64	69	74	
0	70	17	5	3	0	6	0	0	0	1	1	0	0	0

At least half of the vehicles were traveling in the 10 - 14 mph range or a lower speed. The average speed for all classified vehicles was 17 mph with 7.77 percent exceeding the posted speed of 30 mph. The HI-STAR found 1.94 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 10 mph and the 85th percentile was 20.55 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	70	80
to	to	to	to	to	to	to	>
20	27	39	49	59	69	79	
80	13	8	0	1	0	1	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 93 which represents 90.30 percent of the total classified vehicles. The number of Small Trucks in the study was 8 which represents 7.80 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 2 which represents 1.90 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/11/2007 at 05:00 PM the average headway between the vehicles was 327.27 seconds. The slowest traffic period was on 07/10/2007 at 11:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 70 and 121 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 6784	Begin: 07/10/2007 02:00 PM	End: 07/12/2007 02:00 PM
Street: E.B.Harding at Fairfield	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 116
County: DuPage	AADT Factor: 1	AADT Count: 58

	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																

07/10/2007

[02:00 PM-03:00 PM]	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
[03:00 PM-04:00 PM]	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	5
[04:00 PM-05:00 PM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[05:00 PM-06:00 PM]	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
[06:00 PM-07:00 PM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[07:00 PM-08:00 PM]	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
[08:00 PM-09:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[10:00 PM-11:00 PM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	27	1	0	1	0	0	0	0	0	0	0	0	0	0	29

Daily Totals: 0 27 1 0 1 0 0 0 0 0 0 0 0 0 0 29

07/11/2007

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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07/11/2007

[12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:00 AM-06:00 AM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
[06:00 AM-07:00 AM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[07:00 AM-08:00 AM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[08:00 AM-09:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[09:00 AM-10:00 AM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[10:00 AM-11:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[11:00 AM-12:00 PM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[12:00 PM-01:00 PM]	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
[01:00 PM-02:00 PM]	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
[02:00 PM-03:00 PM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[03:00 PM-04:00 PM]	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4
[04:00 PM-05:00 PM]	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
[05:00 PM-06:00 PM]	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	9
[06:00 PM-07:00 PM]	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	4
[07:00 PM-08:00 PM]	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
[08:00 PM-09:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[11:00 PM-12:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	34	13	4	0	0	0	0	0	0	1	0	0	0	0	52

Daily Totals:

	0	34	13	4	0	0	0	0	0	0	1	0	0	0	0	52
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07/12/2007

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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07/12/2007

[12:00 AM-01:00 AM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:00 AM-06:00 AM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[06:00 AM-07:00 AM]	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2
[07:00 AM-08:00 AM]	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
[08:00 AM-09:00 AM]	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
[09:00 AM-10:00 AM]	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
[10:00 AM-11:00 AM]	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
[11:00 AM-12:00 PM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[12:00 PM-01:00 PM]	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
[01:00 PM-02:00 PM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	9	3	1	2	0	6	0	0	0	0	1	0	0	0	22

Daily Totals: 0 3 2 6 0 0 0 0 0 0 0 0 0 0 22

Report Totals: 0 17 3 6 0 0 1 0 0 0 1 0 0 103

Report Percentages: 0.00% 16.50% 2.91% 5.83% 0.00% 0.97% 0.00% 0.00%
 67.96% 4.85% 0.00% 0.00% 0.00% 0.97% 0.00%

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

A study of vehicle traffic was conducted with HI-STAR unit number 2183. The study was done in the lane on W.B.Harding at Fairfield in Lombard, IL in DuPage county. The study began on 07/10/2007 at 02:00 PM and concluded on 07/12/2007 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 332 vehicles passed through the location with a peak volume of 58 on 07/11/2007 at 08:00 PM and a minimum volume of 0 on 07/10/2007 at 10:00 PM. The AADT Count for this study was 166.

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	156	121	22	6	2	3	2	1	2	0	1	0	0	1

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 3.79 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.63 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 10 mph and the 85th percentile was 19.69 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 >
272	26	14	0	3	1	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 298 which represents 94.00 percent of the total classified vehicles. The number of Small Trucks in the study was 14 which represents 4.40 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 5 which represents 1.60 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/11/2007 at 08:00 PM the average headway between the vehicles was 61.02 seconds. The slowest traffic period was on 07/10/2007 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 70 and 105 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

HI-Star ID: 2183	Begin: 07/10/2007 02:00 PM	End: 07/12/2007 02:00 PM
Street: W.B.Harding at Fairfield	Lane:	Hours: 48:00
State: IL	Oper: EP	Period: 60
City: Lombard	Posted: 30	Raw Count: 332
County: DuPage	AADT Factor: 1	AADT Count: 166

	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																

07/10/2007

[02:00 PM-03:00 PM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[03:00 PM-04:00 PM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[04:00 PM-05:00 PM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[05:00 PM-06:00 PM]	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	5
[06:00 PM-07:00 PM]	0	5	9	1	0	0	0	0	0	0	0	0	0	0	1	16
[07:00 PM-08:00 PM]	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
[08:00 PM-09:00 PM]	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
[09:00 PM-10:00 PM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[10:00 PM-11:00 PM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[11:00 PM-12:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	19	12	2	1	0	0	0	0	0	0	0	0	0	1	35

Daily Totals: 0 19 12 2 1 0 0 0 0 0 0 0 0 0 1 35

07/11/2007

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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07/11/2007

[12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[06:00 AM-07:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[07:00 AM-08:00 AM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
[08:00 AM-09:00 AM]	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
[09:00 AM-10:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[10:00 AM-11:00 AM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
[11:00 AM-12:00 PM]	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
[12:00 PM-01:00 PM]	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
[01:00 PM-02:00 PM]	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
[02:00 PM-03:00 PM]	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
[03:00 PM-04:00 PM]	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
[04:00 PM-05:00 PM]	0	6	6	3	0	0	0	0	0	0	0	0	0	0	0	15
[05:00 PM-06:00 PM]	0	1	6	1	0	0	0	0	0	0	0	0	0	0	0	8
[06:00 PM-07:00 PM]	0	11	4	1	0	0	1	0	0	0	0	0	0	0	0	17
[07:00 PM-08:00 PM]	0	21	21	0	1	0	1	0	0	0	0	0	0	0	0	44
[08:00 PM-09:00 PM]	0	26	23	5	1	0	0	0	1	0	1	0	0	0	0	57
[09:00 PM-10:00 PM]	0	28	11	4	2	1	1	1	1	1	0	0	0	0	0	50
[10:00 PM-11:00 PM]	0	17	22	4	1	0	0	1	0	0	0	0	0	0	0	45
[11:00 PM-12:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	126	100	19	5	2	3	2	1	2	0	1	0	0	0	261

Daily Totals:

0	126	100	19	5	2	3	2	1	2	0	1	0	0	0	0	261
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07/12/2007

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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07/12/2007

[12:00 AM-01:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[01:00 AM-02:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:00 AM-03:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:00 AM-04:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:00 AM-05:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[05:00 AM-06:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[06:00 AM-07:00 AM]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[07:00 AM-08:00 AM]	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
[08:00 AM-09:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[09:00 AM-10:00 AM]	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
[10:00 AM-11:00 AM]	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
[11:00 AM-12:00 PM]	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
[12:00 PM-01:00 PM]	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
[01:00 PM-02:00 PM]	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
	0	11	9	1	0	0	0	0	0	0	0	0	0	0	0	21

Daily Totals: 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 21

Report Totals: 0 121 6 3 1 0 0 1 0 1 0 1 0 1 317

Report Percentages: 0.00% 38.17% 1.89% 0.95% 0.32% 0.00% 0.00% 0.32%

49.21% 6.94% 0.63% 0.63% 0.63% 0.32% 0.00%