

170477

VILLAGE OF LOMBARD POLICE DEPARTMENT



Roy Newton
Chief of Police

Thomas Wirsing
Deputy Chief of Operations

Deputy Chief of Administrative Services



TO: Deputy Chief Wirsing

FROM: Lt. Joe Grage #754

DATE: 12/3/2017

SUBJECT: Public Safety and Transportation Committee Agenda Item:
Follow Up: Request for 4 Way Stop Signs at E. Madison St. and S.
Fairfield Ave. (Legistar#170477)

Sir,

The above item was tabled at the PSTC meeting on 11/6/2017 pending more information. Specifically, the committee requested traffic counts for the Fairfield Ave corridor roughly from Madison to the south.

I performed traffic counts pursuant to the committee's request and they are attached to this memo. These counts were performed from 11/27/2017-11/30/2017, which was Tuesday of that week through Thursday. The results of the traffic counts are presented in AADT (Annual Average Daily Traffic). I have also attached a map to illustrate the traffic volumes as well.

In summary, the traffic volumes (south to north) were as follows:

Fairfield Ave. South of Wilson Ave. (1070 S.): 1,923 vehicles

Fairfield Ave. at Harding Rd.: 1,264 vehicles

Fairfield Ave. at Madison Ave. (south side of intersection)*: 929 vehicles

**This data is from a traffic count conducted 10/4/2017-10/9/2017*

Fairfield Ave. North of Madison Ave. (561 S.): 466 vehicles

villageoflombard.org/lpd

630 / 873-4400 TDD: 630 / 620-5811

DEPT. FAX: 630 873.4496 INVESTIGATIONS FAX: 630 873.4444

235 E. Wilson Avenue Lombard, Illinois 60148

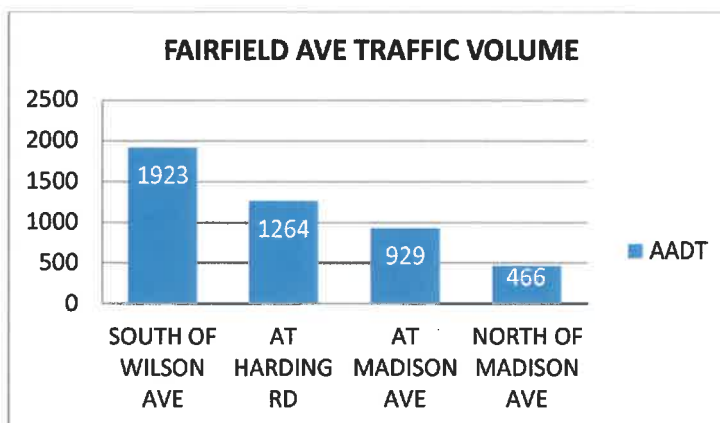


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I attempted to obtain any existing historical data in addition to collecting the data above. Matthew Lew from the Public Works Department was able to provide me with a traffic count report from July of 2007 at the intersection of Fairfield Ave. and Harding Rd. That report found that the AADT for northbound traffic was 1,181 vehicles and the AADT for southbound traffic was 799 vehicles (1,980 vehicles combined). I have also attached this report for reference.

Based on these traffic counts, the following appears to be true:

- The amount of traffic decreases the farther north vehicles travel on Fairfield Ave.
- Most of the vehicle traffic on Fairfield Ave. travels northbound.
- The amount of traffic on Fairfield Ave. is reduced by approximately 50% at Madison Ave. This suggests that motorists are using Fairfield Ave. to get to Madison Ave.

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There have been no crashes at this intersection since the PSTC meeting on 11/6/2017. The directed patrol was performed from 10/10/2017 to 11/7/2017. During that period officers performed enforcement at the intersection twenty-seven (27) times. A total of 4 warnings were given and there were no citations issued.

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235 E. Wilson Avenue Lombard, Illinois 60148

FAIRFIELD AVE TRAFFIC VOLUMES: 11/2017



Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME COUNT

1070 S FAIRFIELD
(FAIRFIELD S/O WILSON)

Date Start: 11/27/17

Date End: 11/30/17

Start Time	11/27/17 Mon	SOUTH	NORTH							Total
12:00 AM		*	*							*
01:00		*	*							*
02:00		*	*							*
03:00		*	*							*
04:00		*	*							*
05:00		*	*							*
06:00		*	*							*
07:00		*	*							*
08:00		*	*							*
09:00		*	*							*
10:00		*	*							*
11:00		*	*							*
12:00 PM		*	*							*
01:00		*	*							*
02:00		*	*							*
03:00		*	*							*
04:00		*	*							*
05:00		*	*							*
06:00		*	*							*
07:00		*	*							*
08:00		*	*							*
09:00		*	*							*
10:00		*	*							*
11:00		11	6							17
Total		11	6							17
Percent		64.7%	35.3%							
AM Peak	-	-	-	-	-	-	-	-	-	-
Vol.	-	-	-	-	-	-	-	-	-	-
PM Peak	-	23:00	23:00	-	-	-	-	-	-	23:00
Vol.	-	11	6	-	-	-	-	-	-	17

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME COUNT

1070 S FAIRFIELD
(FAIRFIELD S/O WILSON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/28/17 Tue	SOUTH	NORTH							Total
12:00 AM		5	1							6
01:00		3	4							7
02:00		1	0							1
03:00		2	0							2
04:00		5	2							7
05:00		11	3							14
06:00		40	22							62
07:00		85	32							117
08:00		78	34							112
09:00		53	16							69
10:00		61	25							86
11:00		74	32							106
12:00 PM		54	43							97
01:00		63	50							113
02:00		87	46							133
03:00		114	54							168
04:00		122	65							187
05:00		101	111							212
06:00		67	67							134
07:00		37	37							74
08:00		25	30							55
09:00		40	1							41
10:00		20	5							25
11:00		1	4							5
Total		1149	684							1833
Percent		62.7%	37.3%							
AM Peak	-	07:00	08:00	-	-	-	-	-	-	07:00
Vol.	-	85	34	-	-	-	-	-	-	117
PM Peak	-	16:00	17:00	-	-	-	-	-	-	17:00
Vol.	-	122	111	-	-	-	-	-	-	212

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME COUNT

1070 S FAIRFIELD
(FAIRFIELD S/O WILSON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/29/17 Wed	SOUTH	NORTH							Total
12:00 AM		1	2							3
01:00		2	1							3
02:00		0	1							1
03:00		1	1							2
04:00		4	1							5
05:00		16	2							18
06:00		29	13							42
07:00		87	26							113
08:00		74	36							110
09:00		48	25							73
10:00		54	30							84
11:00		67	55							122
12:00 PM		69	64							133
01:00		60	47							107
02:00		70	64							134
03:00		82	81							163
04:00		90	101							191
05:00		108	139							247
06:00		64	72							136
07:00		49	40							89
08:00		66	2							68
09:00		31	18							49
10:00		14	10							24
11:00		7	6							13
Total		1093	837							1930
Percent		56.6%	43.4%							
AM Peak	-	07:00	11:00	-	-	-	-	-	-	11:00
Vol.	-	87	55	-	-	-	-	-	-	122
PM Peak	-	17:00	17:00	-	-	-	-	-	-	17:00
Vol.	-	108	139	-	-	-	-	-	-	247

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME COUNT

1070 S FAIRFIELD
(FAIRFIELD S/O WILSON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/30/17 Thu	SOUTH	NORTH							Total
12:00 AM		5	3							8
01:00		2	1							3
02:00		0	0							0
03:00		0	0							0
04:00		6	1							7
05:00		16	1							17
06:00		33	15							48
07:00		105	32							137
08:00		83	38							121
09:00		59	26							85
10:00		61	25							86
11:00		61	44							105
12:00 PM		64	59							123
01:00		46	54							100
02:00		68	65							133
03:00		85	61							146
04:00		114	103							217
05:00		192	34							226
06:00		158	19							177
07:00		56	46							102
08:00		81	0							81
09:00		*	*							*
10:00		*	*							*
11:00		*	*							*
Total		1295	627							1922
Percent		67.4%	32.6%							
AM Peak	-	07:00	11:00	-	-	-	-	-	-	07:00
Vol.	-	105	44	-	-	-	-	-	-	137
PM Peak	-	17:00	16:00	-	-	-	-	-	-	17:00
Vol.	-	192	103	-	-	-	-	-	-	226
Grand Total		3548	2154							5702
Percent		62.2%	37.8%							
ADT		ADT 1,923	AADT 1,923							

Village of Lombard
 255 E. Wilson Ave
 Lombard, IL 60148
TRAFFIC VOLUME REPORT

FAIRFIELD AT
 HARDING
 Date Start: 11/27/17
 Date End: 11/30/17

Start Time	11/27/17 Mon	SOUTH	NORTH	Total
12:00 AM	*	*	*	*
01:00	*	*	*	*
02:00	*	*	*	*
03:00	*	*	*	*
04:00	*	*	*	*
05:00	*	*	*	*
06:00	*	*	*	*
07:00	*	*	*	*
08:00	*	*	*	*
09:00	*	*	*	*
10:00	*	*	*	*
11:00	*	*	*	*
12:00 PM	*	*	*	*
01:00	*	*	*	*
02:00	*	*	*	*
03:00	*	*	*	*
04:00	*	*	*	*
05:00	*	*	*	*
06:00	*	*	*	*
07:00	*	*	*	*
08:00	*	*	*	*
09:00	*	*	*	*
10:00	5	16	21	21
11:00	3	5	8	8
Total	8	21	29	29
Percent	27.6%	72.4%		
AM Peak Vol.	-	-	-	-
PM Peak Vol.	-	22:00	22:00	22:00
	-	5	16	21

Village of Lombard
 255 E. Wilson Ave
 Lombard, IL 60148
TRAFFIC VOLUME REPORT

FAIRFIELD AT
 HARDING
 Date Start: 11/27/17
 Date End: 11/30/17

Start Time	11/28/17 Tue	SOUTH	NORTH	Total
12:00 AM		4	8	12
01:00		2	2	4
02:00		0	0	0
03:00		2	1	3
04:00		1	1	2
05:00		9	3	12
06:00		20	12	32
07:00		44	31	75
08:00		46	28	74
09:00		22	11	33
10:00		27	27	54
11:00		35	34	69
12:00 PM		30	37	67
01:00		25	40	65
02:00		27	44	71
03:00		47	50	97
04:00		46	89	135
05:00		58	88	146
06:00		33	50	83
07:00		22	36	58
08:00		16	35	51
09:00		3	20	23
10:00		4	12	16
11:00		1	2	3
Total		524	661	1185
Percent		44.2%	55.8%	
AM Peak	-	08:00	11:00	07:00
Vol.	-	46	34	75
PM Peak	-	17:00	16:00	17:00
Vol.	-	58	89	146

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 Lombard, IL 60148
TRAFFIC VOLUME REPORT

FAIRFIELD AT
 HARDING
 Date Start: 11/27/17
 Date End: 11/30/17

Start Time	11/29/17 Wed	SOUTH	NORTH	Total
12:00 AM		2	3	5
01:00		1	0	1
02:00		1	1	2
03:00		1	1	2
04:00		2	3	5
05:00		8	4	12
06:00		20	8	28
07:00		44	40	84
08:00		57	29	86
09:00		23	21	44
10:00		38	23	61
11:00		43	38	81
12:00 PM		41	58	99
01:00		22	43	65
02:00		35	53	88
03:00		56	67	123
04:00		42	90	132
05:00		47	95	142
06:00		37	54	91
07:00		23	46	69
08:00		8	34	42
09:00		16	30	46
10:00		8	14	22
11:00		0	12	12
Total		575	767	1342
Percent		42.8%	57.2%	
AM Peak				
Vol.	-	08:00	07:00	-
	-	57	40	-
PM Peak				
Vol.	-	15:00	17:00	-
	-	56	95	-
Grand Total		1107	1449	2556
Percent		43.3%	56.7%	
ADT		ADT 1,264	ADT 1,264	



Start Time	9/21/17 Thu	Eastbound	Westbound	Total
12:00 AM	*	*	*	*
01:00	*	*	*	*
02:00	*	*	*	*
03:00	3	4	7	7
04:00	16	14	30	30
05:00	37	36	73	73
06:00	108	78	186	186
07:00	305	178	483	483
08:00	284	136	420	420
09:00	205	116	321	321
10:00	179	104	283	283
11:00	244	114	358	358
12:00 PM	243	112	355	355
01:00	282	92	374	374
02:00	291	108	399	399
03:00	371	156	527	527
04:00	402	207	609	609
05:00	466	263	729	729
06:00	325	202	527	527
07:00	200	140	340	340
08:00	138	65	203	203
09:00	106	52	158	158
10:00	53	38	91	91
11:00	35	19	54	54
Total	4293	2234	6527	6527
Percent	65.8%	34.2%		
AM Peak	-	07:00	-	07:00
Vol.	-	305	-	483
PM Peak	-	17:00	-	17:00
Vol.	-	466	-	729



Start Time	9/22/17 Fri	Eastbound	Westbound	Total
12:00 AM		14	13	27
01:00		9	1	10
02:00		6	2	8
03:00		3	3	6
04:00		10	10	20
05:00		39	35	74
06:00		99	89	188
07:00		269	185	454
08:00		286	146	432
09:00		194	136	330
10:00		203	94	297
11:00		196	109	305
12:00 PM		254	108	362
01:00		249	110	359
02:00		297	127	424
03:00		335	191	526
04:00		360	245	605
05:00		349	278	627
06:00		269	189	458
07:00		227	141	368
08:00		137	77	214
09:00		99	48	147
10:00		87	54	141
11:00		57	44	101
Total		4048	2435	6483
Percent		62.4%	37.6%	
AM Peak	-	08:00	07:00	-
Vol.	-	286	185	-
PM Peak	-	16:00	17:00	-
Vol.	-	360	278	-



Start Time	9/23/17 Sat	Eastbound	Westbound	Total
12:00 AM		28	23	51
01:00		18	14	32
02:00		8	9	17
03:00		7	8	15
04:00		7	7	14
05:00		15	14	29
06:00		33	26	59
07:00		95	41	136
08:00		175	130	305
09:00		218	142	360
10:00		245	153	398
11:00		299	146	445
12:00 PM		292	123	415
01:00		282	105	387
02:00		296	91	387
03:00		243	131	374
04:00		274	78	352
05:00		240	88	328
06:00		224	96	320
07:00		150	87	237
08:00		116	56	172
09:00		84	51	135
10:00		68	68	136
11:00		56	41	97
Total		3473	1728	5201
Percent		66.8%	33.2%	
AM Peak	-	11:00	10:00	11:00
Vol.	-	299	153	445
PM Peak	-	14:00	15:00	12:00
Vol.	-	296	131	415



Start Time	9/24/17 Sun	Eastbound	Westbound	Total
12:00 AM		47	32	79
01:00		20	20	40
02:00		4	11	15
03:00		6	1	7
04:00		7	3	10
05:00		13	7	20
06:00		25	20	45
07:00		81	39	120
08:00		136	66	202
09:00		224	106	330
10:00		220	156	376
11:00		268	156	424
12:00 PM		289	129	418
01:00		280	94	374
02:00		234	70	304
03:00		259	88	347
04:00		224	86	310
05:00		195	86	281
06:00		183	69	252
07:00		147	80	227
08:00		86	53	139
09:00		55	32	87
10:00		32	23	55
11:00		14	11	25
Total		3049	1438	4487
Percent		68.0%	32.0%	
AM Peak	-	11:00	10:00	11:00
Vol.	-	268	156	424
PM Peak	-	12:00	12:00	12:00
Vol.	-	289	129	418



Start Time	9/25/17 Mon	Eastbound	Westbound	Total
12:00 AM	13	12	25	
01:00	5	6	11	
02:00	3	2	5	
03:00	2	3	5	
04:00	9	13	22	
05:00	47	35	82	
06:00	106	84	190	
07:00	276	171	447	
08:00	297	174	471	
09:00	198	122	320	
10:00	159	112	271	
11:00	221	102	323	
12:00 PM	193	123	316	
01:00	235	74	309	
02:00	266	99	365	
03:00	350	173	523	
04:00	407	181	588	
05:00	371	227	598	
06:00	300	195	495	
07:00	149	101	250	
08:00	112	86	198	
09:00	65	42	107	
10:00	37	29	66	
11:00	16	14	30	
Total	3837	2180	6017	
Percent	63.8%	36.2%		
AM Peak Vol.	08:00 297	08:00 174	08:00 471	
PM Peak Vol.	16:00 407	17:00 227	17:00 598	



Start Time	9/26/17 Tue	Eastbound	Westbound	Total
12:00 AM	12	7	19	
01:00	5	4	9	
02:00	5	1	6	
03:00	6	3	9	
04:00	12	12	24	
05:00	36	34	70	
06:00	107	81	188	
07:00	292	174	466	
08:00	324	155	479	
09:00	189	111	300	
10:00	186	78	264	
11:00	*	*	*	
12:00 PM	*	*	*	
01:00	*	*	*	
02:00	*	*	*	
03:00	*	*	*	
04:00	*	*	*	
05:00	*	*	*	
06:00	*	*	*	
07:00	*	*	*	
08:00	*	*	*	
09:00	*	*	*	
10:00	*	*	*	
11:00	*	*	*	
Total	1174	660	1834	
Percent	64.0%	36.0%		
AM Peak	-	-	-	
Vol.	324	174	479	
PM Peak	-	-	-	
Vol.	-	-	-	
Grand Total	19874	10675	30549	
Percent	65.1%	34.9%		
ADT	ADT 5,788	ADT 5,788		

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME REPORT

561 S FAIRFIELD
(FAIRFIELD N/O MADISON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/27/17 Mon	NORTH	SOUTH							Total	
12:00 AM		*	*								*
01:00		*	*								*
02:00		*	*								*
03:00		*	*								*
04:00		*	*								*
05:00		*	*								*
06:00		*	*								*
07:00		*	*								*
08:00		*	*								*
09:00		*	*								*
10:00		*	*								*
11:00		*	*								*
12:00 PM		*	*								*
01:00		*	*								*
02:00		*	*								*
03:00		*	*								*
04:00		*	*								*
05:00		*	*								*
06:00		*	*								*
07:00		*	*								*
08:00		*	*								*
09:00		*	*								*
10:00		8	1								9
11:00		8	0								8
Total		16	1								17
Percent		94.1%	5.9%								
AM Peak	-	-	-	-	-	-	-	-	-	-	-
Vol.	-	-	-	-	-	-	-	-	-	-	-
PM Peak	-	22:00	22:00	-	-	-	-	-	-	-	22:00
Vol.	-	8	1	-	-	-	-	-	-	-	9

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME REPORT

561 S FAIRFIELD
(FAIRFIELD N/O MADISON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/28/17 Tue	NORTH	SOUTH							Total
12:00 AM		1	0							1
01:00		2	0							2
02:00		0	0							0
03:00		2	1							3
04:00		2	0							2
05:00		5	0							5
06:00		8	3							11
07:00		18	11							29
08:00		19	6							25
09:00		10	3							13
10:00		21	6							27
11:00		19	4							23
12:00 PM		19	1							20
01:00		24	2							26
02:00		25	3							28
03:00		32	4							36
04:00		40	10							50
05:00		32	11							43
06:00		27	3							30
07:00		21	5							26
08:00		17	0							17
09:00		12	3							15
10:00		6	0							6
11:00		3	0							3
Total		365	76							441
Percent		82.8%	17.2%							
AM Peak	-	10:00	07:00	-	-	-	-	-	-	07:00
Vol.	-	21	11	-	-	-	-	-	-	29
PM Peak	-	16:00	17:00	-	-	-	-	-	-	16:00
Vol.	-	40	11	-	-	-	-	-	-	50

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME REPORT

561 S FAIRFIELD
(FAIRFIELD N/O MADISON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/29/17 Wed	NORTH	SOUTH							Total
12:00 AM		0	0							0
01:00		1	0							1
02:00		1	1							2
03:00		0	0							0
04:00		2	1							3
05:00		3	2							5
06:00		2	4							6
07:00		31	6							37
08:00		14	4							18
09:00		13	4							17
10:00		17	5							22
11:00		22	5							27
12:00 PM		29	4							33
01:00		26	5							31
02:00		33	5							38
03:00		40	11							51
04:00		40	11							51
05:00		39	6							45
06:00		28	9							37
07:00		23	6							29
08:00		13	1							14
09:00		13	2							15
10:00		9	1							10
11:00		6	0							6
Total		405	93							498
Percent		81.3%	18.7%							
AM Peak	-	07:00	07:00	-	-	-	-	-	-	07:00
Vol.	-	31	6	-	-	-	-	-	-	37
PM Peak	-	15:00	15:00	-	-	-	-	-	-	15:00
Vol.	-	40	11	-	-	-	-	-	-	51

Village of Lombard

255 E. Wilson Ave
Lombard, IL 60148

TRAFFIC VOLUME REPORT

561 S FAIRFIELD
(FAIRFIELD N/O MADISON)
Date Start: 11/27/17
Date End: 11/30/17

Start Time	11/30/17 Thu	NORTH	SOUTH							Total
12:00 AM		2	0							2
01:00		0	0							0
02:00		0	0							0
03:00		0	0							0
04:00		0	2							2
05:00		4	3							7
06:00		7	4							11
07:00		22	15							37
08:00		2	4							6
09:00		0	4							4
10:00		0	3							3
11:00		20	5							25
12:00 PM		25	12							37
01:00		28	6							34
02:00		38	4							42
03:00		53	7							60
04:00		35	5							40
05:00		30	5							35
06:00		33	3							36
07:00		20	1							21
08:00		23	3							26
09:00		*	*							*
10:00		*	*							*
11:00		*	*							*
Total		342	86							428
Percent		79.9%	20.1%							
AM Peak	-	07:00	07:00	-	-	-	-	-	-	07:00
Vol.	-	22	15	-	-	-	-	-	-	37
PM Peak	-	15:00	12:00	-	-	-	-	-	-	15:00
Vol.	-	53	12	-	-	-	-	-	-	60
Grand Total		1128	256							1384
Percent		81.5%	18.5%							
ADT		ADT 466	AADT 466							

**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 at N.B.Fairfield at Harding in Lombard, Il in DuPage county. The study began on Jul/10/2007 at 02:00:00 PM and concluded on Jul/12/2007 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2361 vehicles passed through the location with a peak volume of 117 on Jul/10/2007 at [16:00-17:00] and a minimum volume of 2 on Jul/12/2007 at [02:00-03:00]. 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. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 7.50% vehicles exceeding the posted speed of 30 MPH. The HI-STAR found 0.38 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 33.50 MPH.

<	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	to					
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>					
0	49	211	412	917	594	129	30	7	1	1	5	0	2	2					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Vans & Pickups. The number of Passenger Vehicles in the study was 0 which represents 0 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2279 which represents 97 percent of the total classified vehicles. The number of Busses & Trucks in the study was 56 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 25 which represents 0 percent of the total classified vehicles.

<	21	28	40	50	60	70	80												
to	to	to	to	to	to	to	to												
20	27	39	49	59	69	79	>												
2279	56	16	6	1	1	1	0												

CHART 2

HEADWAY

During the peak traffic period, on Jul/10/2007 at [16:00-17:00] the average headway between vehicles was 30.508 seconds. During the slowest traffic period, on Jul/12/2007 at [02:00-03:00] the average headway between vehicles was 1200 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 68.00 and 89.00 degrees F. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.

**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 0811. The study was done in the lane at S.B.Fairfield at Harding in Lombard, Il in DuPage county. The study began on Jul/10/2007 at 02:00:00 PM and concluded on Jul/12/2007 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 1598 vehicles passed through the location with a peak volume of 89 on Jul/11/2007 at [18:00-19:00] and a minimum volume of 1 on Jul/11/2007 at [04:00-05:00]. 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. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 27 MPH with 6.28% vehicles exceeding the posted speed of 30 MPH. The HI-STAR found 0.19 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 33.15 MPH.

< 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	60	145	301	610	376	81	11	3	1	1	1	1	1	0					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Vans & Pickups. The number of Passenger Vehicles in the study was 0 which represents 0 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1501 which represents 94 percent of the total classified vehicles. The number of Busses & Trucks in the study was 62 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 29 which represents 0 percent of the total classified vehicles.

< to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to >												
1501	62	20	7	1	1	0	0												

CHART 2

HEADWAY

During the peak traffic period, on Jul/11/2007 at [18:00-19:00] the average headway between vehicles was 40 seconds. During the slowest traffic period, on Jul/11/2007 at [04:00-05:00] the average headway between vehicles was 1800 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 70.00 and 121.00 degrees F. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.



Start Time	9/21/17 Thu	Eastbound	Westbound	Total
12:00 AM	*	*	*	*
01:00	*	*	*	*
02:00	*	*	*	*
03:00	3	4	7	30
04:00	16	14	30	73
05:00	37	36	73	186
06:00	108	78	186	483
07:00	305	178	483	420
08:00	284	136	420	321
09:00	205	116	321	283
10:00	179	104	283	358
11:00	244	114	358	355
12:00 PM	243	112	355	374
01:00	282	92	374	399
02:00	291	108	399	527
03:00	371	156	527	609
04:00	402	207	609	729
05:00	466	263	729	527
06:00	325	202	527	340
07:00	200	140	340	203
08:00	138	65	203	158
09:00	106	52	158	91
10:00	53	38	91	54
11:00	35	19	54	6527
Total	4293	2234	6527	
Percent	65.8%	34.2%		
AM Peak	-	07:00	-	07:00
Vol.	-	305	-	483
PM Peak	-	17:00	-	17:00
Vol.	-	466	-	729



Start Time	9/22/17 Fri	Eastbound	Westbound	Total
12:00 AM		14	13	27
01:00		9	1	10
02:00		6	2	8
03:00		3	3	6
04:00		10	10	20
05:00		39	35	74
06:00		99	89	188
07:00		269	185	454
08:00		286	146	432
09:00		194	136	330
10:00		203	94	297
11:00		196	109	305
12:00 PM		254	108	362
01:00		249	110	359
02:00		297	127	424
03:00		335	191	526
04:00		360	245	605
05:00		349	278	627
06:00		269	189	458
07:00		227	141	368
08:00		137	77	214
09:00		99	48	147
10:00		87	54	141
11:00		57	44	101
Total		4048	2435	6483
Percent		62.4%	37.6%	
AM Peak	-	08:00	07:00	-
Vol.	-	286	185	-
PM Peak	-	16:00	17:00	-
Vol.	-	360	278	-



Start Time	9/23/17 Sat	Eastbound	Westbound	Total
12:00 AM		28	23	51
01:00		18	14	32
02:00		8	9	17
03:00		7	8	15
04:00		7	7	14
05:00		15	14	29
06:00		33	26	59
07:00		95	41	136
08:00		175	130	305
09:00		218	142	360
10:00		245	153	398
11:00		299	146	445
12:00 PM		292	123	415
01:00		282	105	387
02:00		296	91	387
03:00		243	131	374
04:00		274	78	352
05:00		240	88	328
06:00		224	96	320
07:00		150	87	237
08:00		116	56	172
09:00		84	51	135
10:00		68	68	136
11:00		56	41	97
Total		3473	1728	5201
Percent		66.8%	33.2%	
AM Peak	-	11:00	10:00	-
Vol.	-	299	153	445
PM Peak	-	14:00	15:00	-
Vol.	-	296	131	415



Start Time	9/24/17 Sun	Eastbound	Westbound	Total
12:00 AM				
01:00		47	32	79
02:00		20	20	40
03:00		4	11	15
04:00		6	1	7
05:00		7	3	10
06:00		13	7	20
07:00		25	20	45
08:00		81	39	120
09:00		136	66	202
10:00		224	106	330
11:00		220	156	376
12:00 PM		268	156	424
01:00		289	129	418
02:00		280	94	374
03:00		234	70	304
04:00		259	88	347
05:00		224	86	310
06:00		195	86	281
07:00		183	69	252
08:00		147	80	227
09:00		86	53	139
10:00		55	32	87
11:00		32	23	55
		14	11	25
Total		3049	1438	4487
Percent		68.0%	32.0%	
AM Peak Vol.	-	11:00 268	10:00 156	11:00 424
PM Peak Vol.	-	12:00 289	12:00 129	12:00 418



Start Time	9/25/17 Mon	Eastbound	Westbound	Total
12:00 AM		13	12	25
01:00		5	6	11
02:00		3	2	5
03:00		2	3	5
04:00		9	13	22
05:00		47	35	82
06:00		106	84	190
07:00		276	171	447
08:00		297	174	471
09:00		198	122	320
10:00		159	112	271
11:00		221	102	323
12:00 PM		193	123	316
01:00		235	74	309
02:00		266	99	365
03:00		350	173	523
04:00		407	181	588
05:00		371	227	598
06:00		300	195	495
07:00		149	101	250
08:00		112	86	198
09:00		65	42	107
10:00		37	29	66
11:00		16	14	30
Total		3837	2180	6017
Percent		63.8%	36.2%	
AM Peak	-	08:00	08:00	08:00
Vol.	-	297	174	471
PM Peak	-	16:00	17:00	17:00
Vol.	-	407	227	598



Start Time	9/26/17 Tue	Eastbound	Westbound	Total
12:00 AM		12	7	19
01:00		5	4	9
02:00		5	1	6
03:00		6	3	9
04:00		12	12	24
05:00		36	34	70
06:00		107	81	188
07:00		292	174	466
08:00		324	155	479
09:00		189	111	300
10:00		186	78	264
11:00		*	*	*
12:00 PM		*	*	*
01:00		*	*	*
02:00		*	*	*
03:00		*	*	*
04:00		*	*	*
05:00		*	*	*
06:00		*	*	*
07:00		*	*	*
08:00		*	*	*
09:00		*	*	*
10:00		*	*	*
11:00		*	*	*
Total		1174	660	1834
Percent		64.0%	36.0%	
AM Peak		08:00	07:00	08:00
Vol.		324	174	479
PM Peak		-	-	-
Vol.		-	-	-
Grand Total		19874	10675	30549
Percent		65.1%	34.9%	
ADT		ADT 5,788	ADT 5,788	