

To:

Stan Rickard, Public Works Director

From:

John Johnson, Technical Services Supervisor

Date:

October 24, 2000

Subject:

Request for Traffic Control at Grove and Garfield

I received a letter (see attached) from Ms. Dana Bethel, 49 N. Garfield requesting some type of traffic control at Grove and Garfield. Attached for your review are the traffic analyzer reports for all approaches to the intersection. The accident history shows 6-accidents since 1989 with one of those being an injury accident. The time of day that the accidents occurred showed no pattern. Accidents occurred throughout the day from 7 am to 2 am. This area has single family homes and apartments all in the general area of this intersection. Dependent on the time of day/day of the week, you can find many cars and vans parked close to this intersection. I believe that this could have triggered some of these accidents, due to the fact that the intersection is clear of any other obstructions. On the basis of the above information and field verifications I would recommend installing yield signs on east and westbound Grove at Garfield.

cc:

Richard Tross, Trustee - District 2 Steven Sebby, Trustee - District 4 Ms. Dana Bethel, 49 N. Garfield Transportation and Safety Committee Mos Mos

Dana Bethel 49 North Garfield Lombard, IL 60148

RECEIVED
SEP 2000

630-629-8005

PUBLIC WORKS

September 1, 2000

Trustee Steve Sebby 255 East Wilson Avenue Lombard, IL 60148

Trustee Steve Sebby 534 North Grace Lombard, IL 60148 Dece Conc Constant from & Samo Sam

Re: Previous Correspondence Regarding the Intersection of Grove and Garfield

Dear Trustee Sebby:

It is with much regret that I am sending this follow-up letter to you. As you are well aware, I have been attempting to inform you of a dangerous, uncontrolled intersection located in the Village of Lombard, at the intersection of Grove and Garfield. My first correspondence to you dates back to June 16, 2000 in which this issue was first brought to your attention.

When returning from the train station on August 22, 2000 at approximately 5:35 p.m., I turned the corner from St. Charles to Garfield to see a car accident located at the very intersection I have written about to you on multiple occasions. While I am unaware of the severity of the accident, the involved vehicles were towed away, the individuals involved in the accident were removed on backboards by an ambulance, and the site was filled with police, CSO, and fire vehicles.

I would respectfully request a written response within five (5) days of the date of this letter that explains what has been done thus far to address this issue and what future action is planned.

Thank you in advance for your expedient assistance in this matter.

Sincerely, Dara Bathel

Dana Bethel

NU-METRICS Traffic Analyzer Study Computer Generated Summary Report Route: E.B. Grove at Garfield Location: E.B. Grove at Garfield

A study of vehicle traffic was conducted with HI-STAR unit number 7961. The study was done in the lane on E.B. Grove at Garfield in Lombard, IL in DuPage county. The study began on 09/26/2000 at 02:00 PM and concluded on 09/28/2000 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 239 vehicles passed through the location with a peak volume of 18 on 09/27/2000 at 02:00 PM and a minimum volume of 0 on 09/27/2000 at 12:00 AM.

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

								Ch	art 1						
[< 23	23	25	28	30	33	35	38		43	45	48	50	53	> 53
	160									<u> </u>					
	169	8	11	5	, 6	≬ ე	1 5]		5	1	U	1	ļ	. 3

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 24 Mph with 9.95 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 25.

CLASSIFICATION

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

					Chart 2			
	< 20	20	30	40	50	60	70	> 70
Ī								
	73	12	44	15	17	2	50	- 8

Most of the vehicles were Tractor Trailers with a total count of 92. This represents 41.6 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classifed vehicles.

HEADWAY

During the peak time period, on 09/27/2000 at 02:00 PM the average headway between the vehicles was 189.47 seconds. The slowest traffic period was on 09/27/2000 at 12:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 54 and 101 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

NU-METRICS Traffic Analyzer Study Computer Generated Summary Report Route: W.B. Grove at Garfield Location: W.B. Grove at Garfield

A study of vehicle traffic was conducted with HI-STAR unit number 429. The study was done in the lane on W.B. Grove at Garfield in Lombard, IL in DuPage county. The study began on 09/26/2000 at 02:00 PM and concluded on 09/28/2000 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 159 vehicles passed through the location with a peak volume of 12 on 09/26/2000 at 06:00 PM and a minimum volume of 0 on 09/26/2000 at 09:00 PM.

<u>SPEED</u> Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

								Ch	art 1						
	< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
F	139	1	1		1	<u> </u>	1	-0	0				c		0

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 22 Mph with 0.7 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 22.

CLASSIFICATION

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

				Chart 2			
< 20	20	30	40	50	60	70	> 70
62	0	38	1	11	1	28	2

Most of the vehicles were Passenger Cars with a total count of 62. This represents 43.4 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classifed vehicles.

During the peak time period, on 09/26/2000 at 06:00 PM the average headway between the vehicles was 276.92 seconds. The slowest traffic period was on 09/26/2000 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 50 and 95 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

NU-METRICS Traffic Analyzer Study Computer Generated Summary Report Route: S.B. Garfield at Grove Location: S.B. Garfield at Grove

A study of vehicle traffic was conducted with HI-STAR unit number 88. The study was done in the lane on S.B. Garfield at Grove in Lombard, IL in DuPage county. The study began on 09/26/2000 at 02:00 PM and concluded on 09/28/2000 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 213 vehicles passed through the location with a peak volume of 16 on 09/26/2000 at 05:00 PM and a minimum volume of 0 on 09/26/2000 at 10:00 PM.

SPEED

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

								Ch	art 1						
T.	< 23	23	25	28	30	33	35	38	40	43	45	48	50	53	> 53
	194	1	I <u> </u> 2	1	0	11	0) C	,) 0	0	0	0	0	0

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 22 Mph with 0.5 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 22.

CLASSIFICATION

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

				Chart 2			
< 20	20		40	50	60	70	> 70
78	O	42	0	28) 0	51	O

Most of the vehicles were Tractor Trailers with a total count of 79. This represents 39.7 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 09/26/2000 at 05:00 PM the average headway between the vehicles was 211.76 seconds. The slowest traffic period was on 09/26/2000 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 52 and 97 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

NU-METRICS Traffic Analyzer Study Computer Generated Summary Report Route: N.B. Garfield at Grove Location: N.B. Garfield at Grove

A study of vehicle traffic was conducted with HI-STAR unit number 9759. The study was done in the lane on N.B. Garfield at Grove in Lombard, IL in DuPage county. The study began on 09/26/2000 at 02:00 PM and concluded on 09/28/2000 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 316 vehicles passed through the location with a peak volume of 20 on 09/27/2000 at 04:00 PM and a minimum volume of 0 on 09/27/2000 at 02:00 AM.

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

			•					Ch	art 1						
[< 23	23	25		30		35	38		43	45	48	50	53	> 53
[·	
1	277	6	4	0	2	2	U) C	l c	ų c	ų o	l c	, 0	(9

Half of the vehicles were traveling at 22 Mph or a lower speed. The average speed for all classified vehicles was 22 Mph with 0.69 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 22 Mph and the 85th percentile was 22.

CLASSIFICATION

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

				Chart 2			
< 20	20	30	40	50	60	70	> 70
·-							
125	- 6	82	3	18	0	53	4

Most of the vehicles were Passenger Cars with a total count of 131. This represents 45.0 percent of the classified vehicles. The number of trucks in the study was 0 which represents 0.0 percent of the total classifed vehicles.

HEADWAY

During the peak time period, on 09/27/2000 at 04:00 PM the average headway between the vehicles was 171.43 seconds. The slowest traffic period was on 09/27/2000 at 02:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 52 and 95 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.0 percent of the time.

HI-Star ID: 7961 Street: E.B. Grove at Garfield State: IL City: Lombard County: DuPage		Lan Ope Pos	in: 0	9/26/ 30		•	00 PN	Л			Ho Pe Ra	ours eriod aw (09/28/ 5: 48 d: 60 Count:	239		0 PM
																
Date & Time Range 09/26/2000 [02:00 PM-03:00 PM] 09/26/2000 [03:00 PM-04:00 PM] 09/26/2000 [04:00 PM-05:00 PM] 09/26/2000 [05:00 PM-06:00 PM] 09/26/2000 [05:00 PM-06:00 PM] 09/26/2000 [07:00 PM-08:00 PM] 09/26/2000 [07:00 PM-08:00 PM] 09/26/2000 [08:00 PM-09:00 PM] 09/26/2000 [09:00 PM-10:00 PM] 09/26/2000 [10:00 PM-11:00 PM] 09/26/2000 [11:00 PM-11:00 AM] 09/27/2000 [12:00 AM-01:00 AM] 09/27/2000 [02:00 AM-03:00 AM] 09/27/2000 [03:00 AM-04:00 AM] 09/27/2000 [03:00 AM-05:00 AM] 09/27/2000 [05:00 AM-05:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-08:00 AM] 09/27/2000 [05:00 AM-09:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-11:00 AM] 09/27/2000 [07:00 PM-01:00 PM] 09/27/2000 [07:00 PM-03:00 PM] 09/27/2000 [07:00 PM-03:00 PM] 09/27/2000 [07:00 PM-05:00 PM] 09/27/2000 [07:00 PM-05:00 PM] 09/27/2000 [07:00 PM-06:00 PM] 09/27/2000 [07:00 PM-08:00 PM] 09/28/2000 [07:00 AM-09:00 AM]	24731144621031102110432619204930032113000231362666	300000000000000000000000000000000000000	250000000000000000000000000000000000000	800100000100000000000000000000000000000	300000000000000000000000000000000000000	330000000000000000000000000000000000000	350000000000000000000000000000000000000	800000000000000000000000000000000000000	400000001000000000000000000000000000000	400000000000000000000000000000000000000	450000100000000000000000000000000000000	800000000000000000000000000000000000000	5 0000000000000000000000000000000000000	300000000000000000000000000000000000000	5 0000000000000000000000000000000000000	Total 474154464103110250663819311493003211300023312653111
Grand Totals:	169	8	11	5	6	5	5	1	2	5	1	0	0	0	3	221
Total Parcentages:	76 47%	-	08%		71%		2 26%		റ മറം		በ	-	റ ററം/	_	1 36%	

Total Percentages:

76.47% 4.98% 2.71% 2.26% 0.90% 0.45% 0.00% 1.36% 3.62% 2.26% 2.26% 0.45% 2.26% 0.00% 0.00%

			ıım	ie/Sp	eea	керо	rτ									
HI-Star ID: 429 Street: W.B. Grove at Garfield State: IL City: Lombard	Begin: 09/26/2000 02:00 PM												00 PM			
County: DuPage					: 1											
Date & Time Range 09/26/2000 [02:00 PM-03:00 PM] 09/26/2000 [03:00 PM-04:00 PM] 09/26/2000 [04:00 PM-05:00 PM] 09/26/2000 [05:00 PM-06:00 PM] 09/26/2000 [06:00 PM-07:00 PM] 09/26/2000 [06:00 PM-07:00 PM] 09/26/2000 [08:00 PM-09:00 PM] 09/26/2000 [09:00 PM-10:00 PM] 09/26/2000 [10:00 PM-11:00 PM] 09/26/2000 [11:00 PM-12:00 AM] 09/27/2000 [12:00 AM-01:00 AM] 09/27/2000 [01:00 AM-02:00 AM] 09/27/2000 [02:00 AM-03:00 AM] 09/27/2000 [03:00 AM-05:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-07:00 AM] 09/27/2000 [06:00 AM-07:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-10:00 AM] 09/27/2000 [07:00 PM-01:00 PM] 09/27/2000 [07:00 PM-03:00 PM] 09/27/2000 [07:00 PM-06:00 PM] 09/27/2000 [07:00 PM-08:00 PM] 09/28/2000 [07:00 AM-09:00 AM]	2244869330001121023333442535781661311000001041111335	200000000000000000000000000000000000000	250000000000000000000000000000000000000	800000000000000000000000000000000000000	300000000000000000000000000000000000000	300000000000000000000000000000000000000	300000000000000000000000000000000000000	800000000000000000000000000000000000000	400000000000000000000000000000000000000	400000000000000000000000000000000000000	400000000000000000000000000000000000000	<u>4</u> 000000000000000000000000000000000000	500000000000000000000000000000000000000	500000000000000000000000000000000000000	<u>\$</u> 000000000000000000000000000000000000	Total 448693300001121023333442533570166113110000001051111435
Grand Totals:	139	1	1	0	1	0	1	0	0	0	0	0	0	0	0	143
Total Percentages:	97.209	% 0.709	0.70° %	% (0.009	0.70° %	% 0.009	0.70° %	% 0.00°	0.00 ⁹ %	% 0.009	0.009 %	% 0.009	0.00 ⁹	% 0.009	0.009 %	

			Tim	ie/Sp	eed į	⋜еро	rt									•
HI-Star ID: 88 Street: S.B. Garfield at Grove State: IL City: Lombard County: DuPage		Lar Op Pos	gin: (ne: er: E sted: DT F	P 30		0 02:	00 P	M			F F	lours Period Raw (: 48	t: 213	3	00 PM
Date & Time Range 09/26/2000 [02:00 PM-03:00 PM] 09/26/2000 [03:00 PM-04:00 PM] 09/26/2000 [04:00 PM-05:00 PM] 09/26/2000 [05:00 PM-06:00 PM] 09/26/2000 [06:00 PM-07:00 PM] 09/26/2000 [06:00 PM-09:00 PM] 09/26/2000 [08:00 PM-09:00 PM] 09/26/2000 [08:00 PM-09:00 PM] 09/26/2000 [09:00 PM-10:00 PM] 09/26/2000 [10:00 PM-11:00 PM] 09/26/2000 [11:00 PM-12:00 AM] 09/27/2000 [12:00 AM-01:00 AM] 09/27/2000 [01:00 AM-02:00 AM] 09/27/2000 [03:00 AM-04:00 AM] 09/27/2000 [03:00 AM-04:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [06:00 AM-07:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [10:00 AM-10:00 AM] 09/27/2000 [07:00 AM-10:00 AM] 09/27/2000 [07:00 AM-10:00 AM] 09/27/2000 [09:00 AM-10:00 AM] 09/27/2000 [10:00 AM-10:00 AM] 09/27/2000 [10:00 PM-01:00 PM] 09/27/2000 [01:00 PM-02:00 PM] 09/27/2000 [02:00 PM-03:00 PM] 09/27/2000 [03:00 PM-04:00 PM] 09/27/2000 [03:00 PM-04:00 PM] 09/27/2000 [05:00 PM-05:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [07:00 PM-06:00 PM] 09/27/2000 [07:00 PM-06:00 PM] 09/27/2000 [07:00 PM-01:00 PM] 09/27/2000 [07:00 AM-09:00 AM] 09/28/2000 [07:00 AM-09:00 AM] 09/28/2000 [07:00 AM-09:00 AM] 09/28/2000 [07:00 AM-09:00 AM] 09/28/2000 [01:00 AM-01:00 AM] 09/28/2000 [01:00 AM-01:00 AM] 09/28/2000 [01:00 AM-01:00 AM] 09/28/2000 [05:00 AM-09:00 AM]	22488669110000301374161331724869760102101145434562 194	230000000000000000000000000000000000000	<u>25</u> 000000000000000000000000000000000000	200000100000000000000000000000000000000	300000000000000000000000000000000000000	300000000000000000000000000000000000000	300000000000000000000000000000000000000	300000000000000000000000000000000000000	400000000000000000000000000000000000000	<u>4</u> 000000000000000000000000000000000000	<u>4</u> 000000000000000000000000000000000000	<u>4</u> 000000000000000000000000000000000000	<u>0</u> 00000000000000000000000000000000000	500000000000000000000000000000000000000	500000000000000000000000000000000000000	Total 48866011100003013841613317215969760102101145434662
Total Paraontagos	07.400	. 1	1 040	1	ስ ሰለባ	1	0 00°	0	0 00°	0	0.009	0	0.00%	0 4 (ገ በለው	199
Total Percentages:	97.499	% 0.509	1.019 %	0.509	0.009 %	0.509	0.009 %	% 0.009	0.009 %	0.009		0.009		0.00%	0.00% %	O

		•	Tim	ie/Sp	eed l	Repo	rt									
HI-Star ID: 9759 Street: N.B. Garfield at Grove State: IL City: Lombard County: DuPage		Lai Op Po:		P 30	5/200 -: 1			F F	lours Period Raw (t: 316	3	00 PM			
Date & Time Range 09/26/2000 [02:00 PM-03:00 PM] 09/26/2000 [03:00 PM-04:00 PM] 09/26/2000 [04:00 PM-05:00 PM] 09/26/2000 [05:00 PM-06:00 PM] 09/26/2000 [06:00 PM-07:00 PM] 09/26/2000 [06:00 PM-09:00 PM] 09/26/2000 [09:00 PM-09:00 PM] 09/26/2000 [09:00 PM-10:00 PM] 09/26/2000 [10:00 PM-11:00 PM] 09/26/2000 [10:00 PM-11:00 PM] 09/26/2000 [10:00 PM-12:00 AM] 09/27/2000 [12:00 AM-01:00 AM] 09/27/2000 [03:00 AM-03:00 AM] 09/27/2000 [03:00 AM-05:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [05:00 AM-06:00 AM] 09/27/2000 [06:00 AM-07:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [10:00 AM-10:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [07:00 AM-08:00 AM] 09/27/2000 [01:00 AM-10:00 AM] 09/27/2000 [01:00 PM-01:00 PM] 09/27/2000 [01:00 PM-03:00 PM] 09/27/2000 [03:00 PM-04:00 PM] 09/27/2000 [03:00 PM-04:00 PM] 09/27/2000 [03:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [05:00 PM-06:00 PM] 09/27/2000 [07:00 PM-08:00 PM] 09/27/2000 [07:00 PM-08:00 PM] 09/27/2000 [07:00 PM-08:00 PM] 09/27/2000 [07:00 AM-08:00 AM] 09/28/2000 [07:00 AM-08:00 AM]	212157708910154300019775129659711747822021012481045622 11277	200000000000000000000000000000000000000	200100000000000000100010000000000000000	200000000000000000000000000000000000000	300000010000000000000000000000000000000	300000000000000010000000010000000000000	<u>\$ </u> 000000000000000000000000000000000000	300000000000000000000000000000000000000	400000000000000000000000000000000000000	400000000000000000000000000000000000000	<u>4</u> 000000000000000000000000000000000000	400000000000000000000000000000000000000	000000000000000000000000000000000000000	<u>ფ</u> 000000000000000000000000000000000000	<u>\$</u> 000000000000000000000000000000000000	Total 15870990115430001178512165991174782202101258056822
Total Percentages:	95.199	6 %	1.379		0.699		0.009		0.009		0.009		0.009		0.00%	291 6
ŭ		2.06°		0.009	%	0.699	%	0.009	%	0.00	%	0.009	%	0.00%	%	

