



**To:** Scott Niehaus, Village Manager  
**From:** Sergeant Joe Grage, Police Department  
**Through:** Roy Newton, Chief of Police  
**Date:** November 6<sup>th</sup>, 2017  
**Subject:** Public Safety and Transportation and Safety Committee Recommendation

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Request for 4 Way Stop Signs at N. Park Ave and W. Grove St.

The temporary stop signs on N. Park Ave. at W. Grove St. were recently removed after their term had expired. The basis for their installation had been sight line reductions created by construction equipment being parked on the roadway. Construction equipment no longer creates the sight line reduction. The police department undertook a traffic study after the signs were removed based on a significant amount of resident feedback. The study concluded that the intersection met conditions necessary for the installation of permanent stop signs on N. Park Ave at W. Grove St.

The matter was heard before the Public Safety and Transportation Committee at their monthly meeting on November 6<sup>th</sup>, 2017. The committee voted to recommend the permanent installation of the stop signs based on staff's recommendation (attached) as well as public participation at the meeting.

# 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: Sgt. Joe Grage #754  
DATE: 11/2/2017  
SUBJECT: Public Safety and Transportation Committee Agenda Item:  
Request for 4 Way Stop Signs at N. Park Ave and W. Grove St.

Sir,

As you are aware, the term for the temporary stop sign on N. Park Ave at W. Grove St. had expired and it was recently removed. Since its removal, we have received a significant amount of feedback supporting the installation of permanent stop signs to replace the temporary ones. There was also an amount of confusion from citizens who did not know or realize that the stop sign had been removed until they stopped on Park or attempted to pull onto Park from Grove expecting traffic on Park to stop for them. While there are still signs on Grove indicating "cross traffic does not stop", motorists had become accustomed to them doing so.

As you recall, the request for a four way stop sign at this intersection was initially investigated and appeared on the agenda for the PSTC back in February of 2016. A traffic study was performed pursuant to this request. The traffic study found that the intersection did not meet the guidance requirements of Section 2B.07 of the Manual on Uniform Traffic Control Devices (MUTCD). A copy of the study is attached to this memo as reference.

[villageoflombard.org/lpd](http://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

# VILLAGE OF LOMBARD POLICE DEPARTMENT



Roy Newton  
Chief of Police

Thomas Wirsing  
Deputy Chief of Operations

Deputy Chief of Administrative Services

After the traffic study was completed, it was discovered that construction would soon begin on the southeast corner of the intersection. This construction would result in a large amount of vehicles and construction equipment being parked on Park Ave. These vehicles had the potential to reduce lines of sight at the intersection for vehicles on W. Grove St. The PSTC was provided with the report and the information regarding construction at the meeting in March of 2016. Based on that information, the PSTC recommended that a temporary stop sign be installed at the intersection with the issue being revisited in 6-9 months.

The major construction that generated more vehicles being parked on the street has since ceased. The construction of a home near the southeast corner of the intersection recently resumed, but this construction has not generated any on street parking that could interfere with sight lines and provide justification for the reinstatement of a temporary stop sign.

There has been a significant amount of feedback from area residents since the removal of the temporary stop sign. The feedback has been entirely in support of the installation of permanent stop signs on Park Ave. The following were some of the reasons provided:

- Prior to the temporary stop sign, there were many "close calls" at the intersection where crashes almost occurred due to vehicles not yielding from the stop signs on Grove St.
- At certain times of day, the number of vehicles parked on Park Ave. south of the intersection creates a line of sign problem for vehicles stopped on Grove St. at the stop sign and interferes with their ability to safely enter the intersection.

**[villageoflombard.org/lpd](http://villageoflombard.org/lpd)**

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# VILLAGE OF LOMBARD POLICE DEPARTMENT



**Roy Newton**  
Chief of Police

**Thomas Wirsing**  
Deputy Chief of Operations

Deputy Chief of Administrative Services

- Without the temporary stop sign, Park Ave. has “become a highway” with vehicles travelling over the speed limit.
- The stop sign on Park Ave. discouraged motorists using Park Ave. as a “cut through” to avoid traffic on Main St. and St. Charles Rd.
- There are at least two school bus stops near the intersection and the stop sign on Park Ave. made it easier and safer for school children to cross.
- The intersection “made more sense” with a four way stop sign.

Based on this feedback I performed another traffic study at the intersection. This study took place during weekdays and is attached to this memo. The study found the following:

- There has not been a traffic crash reported at the intersection since December of 2015. There have been three traffic crashes reported there since 2012 (one in 2012, two in 2015). Thus, the intersection failed meet the guideline requirement of five crashes in twelve months set forth in the MUTCD.
- The traffic volumes on Park Ave. (major road) failed to meet the average 300 vehicles per hour for any 8 hours of an average day (peak hour was 85).
- The traffic volumes on Grove St. (minor road) failed to meet the average 200 vehicles and pedestrians per hour for the same 8 hours of an average day (peak hour was 133).

Based on the traffic study, the MUTCD guidance conditions were not met and a four way stop at the intersection is not warranted. However, section 2B.07 of the MUTCD also provides for optional considerations that may be used to warrant a stop sign. Among those considerations are the following:

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# VILLAGE OF LOMBARD POLICE DEPARTMENT



Roy Newton  
Chief of Police

Thomas Wirsing  
Deputy Chief of Operations

Deputy Chief of Administrative Services

*"C. Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless cross traffic is also required to stop; and*

*D. An intersection of two residential neighborhood collector (through) streets of similar design and operating characteristics where multi-way stop control would improve traffic operational characteristics of the intersection."*

The amount and content of feedback received after the removal of the temporary stop sign provides anecdotal evidence for both of these optional considerations.

Park Ave. and Grove St. are indeed both collector streets of similar design. Resident feedback strongly suggests that the operational characteristics and safety of the intersection were improved by the placement of the temporary stop sign (i.e. elimination of "near misses"). Additionally, no traffic crashes were reported at the intersection while the temporary stop sign was installed.

Although the study in 2016 found that sight lines were not restricted enough to impair motorists' ability to negotiate the intersection, there is at least a perception that is the case by roadway users.

Given the above, I recommend that the intersection of N. Park. Ave and W. Grove St. be permanently converted to a four way stop intersection with the installation of permanent stop signs on Park Ave at the intersection.

**[villageoflombard.org/lpd](http://villageoflombard.org/lpd)**

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**235 E. Wilson Avenue Lombard, Illinois 60148**

160059

# VILLAGE OF LOMBARD POLICE DEPARTMENT



**Raymond Byrne**  
Chief of Police

**Thomas Wirsing**  
Deputy Chief of Operations

**Roy Newton**  
Deputy Chief of Administrative Services

**TO:** Deputy Chief Wirsing

**FROM:** Sgt. Joe Grage #754

**DATE:** 02/19/16

**SUBJECT:** Public Safety and Transportation Committee Agenda Item-Resident Request for 4 Way Stop Sign at Park and Grove

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The Police Department was forwarded a resident's concerns regarding the above intersection being "dangerous". The resident advised that they were involved in a traffic crash at the intersection last December caused by another motorist's failure to yield from a stop sign on Grove St. The resident requested that the intersection be modified to a four way stop or that flashing red lights be installed at the intersection.

A similar request came before the Committee at a meeting on October 13<sup>th</sup>, 2014. The request involved a resident who was requesting a four way stop sign at the intersection because of sight line obstructions created by vehicles parked on the street. Staff did not recommend a modification at that time due to the fact there was a temporary increase of vehicles parked on the roadway there due to construction in the area.

Section 2B.07 of the Manual on Uniform Traffic Control Devices (MUTCD) provides the following criterion in order to warrant the modification from a two way stop to a four way stop:

1. Five or more reported crashes in a 12 month period that are susceptible to correction by a multi-way stop installation AND

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2. Vehicular volume entering the intersection from the major street approaches (Park Ave) averages at least 300 vehicles per hour for any 8 hours of an average day AND
3. The combined vehicular volume from the minor street approaches (Grove St.) averages at least 200 vehicles per hour for the same 8 hours of an average day.

In addition to those criteria, the MUTCD allows for the following considerations:

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

I performed a study of this intersection and found the following:

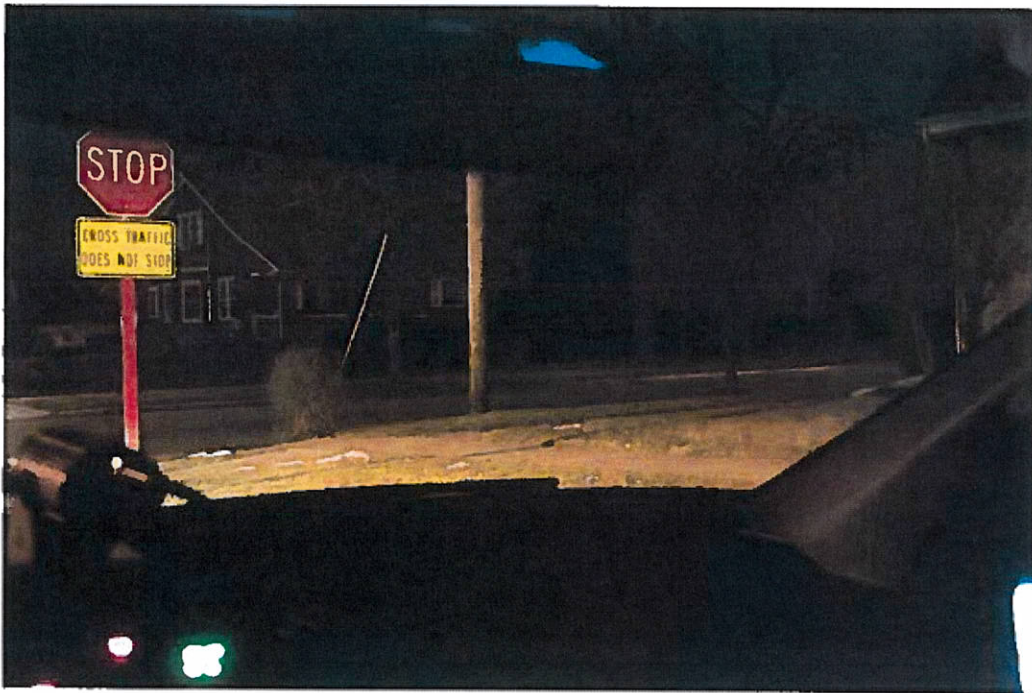
1. The intersection failed to meet the accident experience criteria. There have been two crashes at this intersection in the past twelve months. Both did involve motorists on Grove St. failing to yield to traffic on Park Ave.
2. The intersection did meet the vehicular volume requirements.
3. There is no evidence that left-turn conflicts exist at the intersection.
4. The intersection does not have high pedestrian volumes.
5. There is a sight line restriction, but it does not prevent the safe negotiation of the intersection (see below).
6. There is no evidence that the modification to a four way stop would improve the operational characteristics of the intersection.

In regards to #5, there is a sight line restriction for motorists on Grove St. as they look to the north (see attached photos). The restriction is created by the position of the homes along with bushes and trees. I was able to determine that vehicles travelling southbound on Park Ave towards the intersection come into view approximately 180 feet from the intersection. If the southbound motorists are travelling the speed limit (30 MPH) the motorists on Grove St. can see them for approximately four seconds prior to their arrival at the intersection. This is an adequate amount of time for the motorists on Grove St. to recognize and yield to southbound vehicles.

Based on the above, I cannot recommend that this intersection be modified to a four way stop.



EASTBOUND GROVE ST. LOOKING NORTH ON PARK



WESTBOUND GROVE ST. LOOKING NORTH ON PARK





# Village of Lombard

Village Hall  
255 East Wilson Ave.  
Lombard, IL 60148  
villageoflombard.org

## Master

File Number: 140385

File ID: 140385

Type: Request

Status: On Consent  
Agenda

Version: 1

Reference:

In Control: Transportation &  
Safety Committee

File Created: 09/30/2014

File Name: Park Avenue South of Grove Street

Final Action: 10/13/2014

Title: **Park Avenue South of Grove Street**  
A resident request to address on-street parking. (DISTRICT 1)

### Notes:

Agenda Date:

### Sponsors:

Enactment Date:

Attachments: 140385 T&S 10-13-14

Enactment Number:

Contact: Matt Lew

Hearing Date:

Drafter: cermaks@villageoflombard.org

Effective Date:

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Transportation & Safety Committee	10/13/2014	denied				Pass
	Action Text:	A motion was made by John Larkin, Jr., seconded by John Mullins, that this request be denied in concurrence with staff's recommendation. The motion passed by an unanimous vote.					
	Notes:	Foltyniewicz explained that he received an email from Trustee Whittington regarding cars parked on the street causing a sight obstruction, as well as requesting a 4-way stop. Larkin agreed that it is sometimes tough to see when they're parked too close to the intersection. Lew reported that there was some work going on at the adjacent apartments and the village had granted them an on-street parking permit. Since the completion of their work there are very few cars parked there.					

### Text of Legislative File 140385



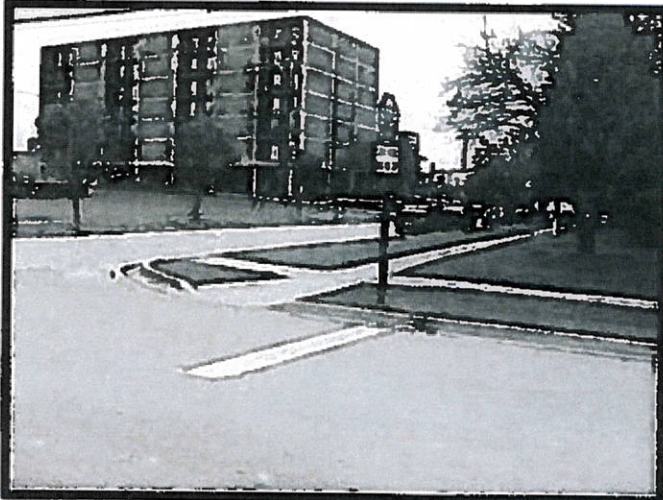
**To:** Reid Foltyniewicz, Chairperson  
**From:** Matthew Lew, PE, Civil Engineer *ML*  
**Through:** Carl S. Goldsmith, Director of Public Works *CSG*  
**Date:** October 6, 2014  
**Subject:** October 2014 Meeting Item 2—Park and Grove Intersection

In September 2014, the Public Works Department received several requests to address parked cars on Park Avenue south of Grove Street. The current parking restriction is the downtown business restriction of 2 hour parking, Customers Only, 8 a.m. - 6 p.m., except Sundays and holidays. The requests have stated an inability to see NB cars on Park while stopped at EB Grove.

The Police Department has been notified of this area to enforce the street for any parked cars beyond two hours. Per the Rules of the Road and MUTCD, parking is not allowed within 20 feet of a crosswalk or sidewalk, and within 30 feet of a Stop sign. A temporary on-street parking request was granted to Village Apartments (49 N. Park) from 8/20-9/5 which contributed to the number of parked cars. The contractor completed work on the week of September 21<sup>st</sup>. The below pictures show the resulting minimized street parking.

In review, Village staff recommends no action for the above request.

View of Park on EB Grove 9/11/2014



View of Park on EB Grove 9/26/2014



# Village of Lombard

255 E. Wilson Ave  
Lombard, IL 60148

GROVE AT  
PARK

## VOLUME REPORT

Start Time	10/30/17 Mon	EAST	WEST	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		31	34	65
02:00		48	51	99
03:00		52	51	103
04:00		49	70	119
05:00		<b>54</b>	<b>78</b>	<b>132</b>
06:00		51	51	102
07:00		40	29	69
08:00		36	17	53
09:00		16	11	27
10:00		15	3	18
11:00		5	4	9
Total		397	399	796
Percent		49.9%	50.1%	
AM Peak	-	-	-	-
Vol.	-	-	-	-
PM Peak	-	17:00	17:00	17:00
Vol.	-	54	78	132

# Village of Lombard

255 E. Wilson Ave  
Lombard, IL 60148

GROVE AT  
PARK

## VOLUME REPORT

Start Time	10/31/17 Tue	EAST	WEST	Total
12:00 AM		3		4
01:00		1	2	3
02:00		1	1	2
03:00		3	0	3
04:00		3	1	4
05:00		15	5	20
06:00		45	6	51
07:00		64	46	110
08:00		73	43	116
09:00		51	22	73
10:00		36	19	55
11:00		33	28	61
12:00 PM		28	39	67
01:00		50	42	92
02:00		38	57	95
03:00		49	84	133
04:00		57	74	131
05:00		48	58	106
06:00		55	44	99
07:00		36	50	86
08:00		17	33	50
09:00		12	12	24
10:00		11	13	24
11:00		1	6	7
Total		730	686	1416
Percent		51.6%	48.4%	
AM Peak	-	08:00	07:00	-
Vol.	-	73	46	116
PM Peak	-	16:00	15:00	15:00
Vol.	-	57	84	133

**Village of Lombard**

255 E. Wilson Ave  
Lombard, IL 60148

GROVE AT  
PARK

**VOLUME REPORT**

Start Time	11/1/17 Wed	EAST	WEST	Total
12:00 AM		4	3	7
01:00		5	1	6
02:00		2	1	3
03:00		3	1	4
04:00		3	1	4
05:00		8	5	13
06:00		37	14	51
07:00		67	46	113
08:00		60	38	98
09:00		41	25	66
10:00		38	32	70
11:00		32	31	63
12:00 PM		45	28	73
01:00		29	36	65
02:00		34	44	78
03:00		56	68	124
04:00		34	73	107
05:00		37	87	124
06:00		42	64	106
07:00		20	34	54
08:00		9	28	37
09:00		15	12	27
10:00		2	16	18
11:00		4	4	8
Total		627	692	1319
Percent		47.5%	52.5%	
AM Peak		07:00	07:00	-
Vol.		67	46	-
PM Peak		15:00	17:00	-
Vol.		56	87	-
Grand Total		1754	1777	3531
Percent		49.7%	50.3%	
ADT		ADT 1,366	ADT 1,366	

# Village of Lombard

255 E. Wilson Ave  
Lombard, IL 60148

PARKAT  
GROVE

## VOLUME REPORT

Start Time	10/30/17 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	25	21	46	
02:00	30	22	52	
03:00	24	26	50	
04:00	38	31	69	
05:00	27	36	63	
06:00	34	33	67	
07:00	24	11	35	
08:00	16	8	24	
09:00	11	5	16	
10:00	7	4	11	
11:00	2	3	5	
Total	238	200	438	
Percent	54.3%	45.7%		
AM Peak Vol.	-	-	-	
PM Peak Vol.	16:00	17:00	16:00	
	38	36	69	

# Village of Lombard

255 E. Wilson Ave  
Lombard, IL 60148

PARK AT  
GROVE

## VOLUME REPORT

Start Time	10/31/17 Tue	North	South	Total
12:00 AM		2	1	3
01:00		1	0	1
02:00		0	0	0
03:00		1	0	1
04:00		1	2	3
05:00		1	5	6
06:00		13	11	24
07:00		23	38	61
08:00		23	30	53
09:00		24	16	40
10:00		16	22	38
11:00		20	18	38
12:00 PM		24	16	40
01:00		32	31	63
02:00		30	28	58
03:00		47	34	81
04:00		38	36	74
05:00		40	32	72
06:00		27	32	59
07:00		24	23	47
08:00		18	22	40
09:00		12	20	32
10:00		9	5	14
11:00		2	2	4
Total		428	424	852
Percent		50.2%	49.8%	
AM Peak	-	09:00	07:00	07:00
Vol.	-	24	38	61
PM Peak	-	15:00	16:00	15:00
Vol.	-	47	36	81

# Village of Lombard

255 E. Wilson Ave  
Lombard, IL 60148

PARK AT  
GROVE

## VOLUME REPORT

Start Time	11/11/17	North	South	Total
12:00 AM	Wed	5	3	8
01:00		1	0	1
02:00		0	3	3
03:00		1	0	1
04:00		2	2	4
05:00		3	5	8
06:00		16	15	31
07:00		21	36	57
08:00		24	27	51
09:00		22	18	40
10:00		20	22	42
11:00		27	20	47
12:00 PM		23	14	37
01:00		23	14	37
02:00		25	19	44
03:00		32	29	61
04:00		32	42	74
05:00		35	50	85
06:00		36	27	63
07:00		20	19	39
08:00		18	7	25
09:00		15	7	22
10:00		4	6	10
11:00		0	2	2
<b>Total</b>		<b>405</b>	<b>387</b>	<b>792</b>
<b>Percent</b>		<b>51.1%</b>	<b>48.9%</b>	
<b>AM Peak</b>				
Vol.	-	11:00	07:00	-
<b>PM Peak</b>				
Vol.	-	18:00	17:00	-
<b>Grand Total</b>				
Percent	-	1071	1011	-
		51.4%	48.6%	-
<b>ADT</b>		<b>ADT 801</b>	<b>ADT 801</b>	<b>AADT 801</b>
				2082



Ordinance No.

WHEREAS, the President and Board of Trustees of the Village of Lombard have heretofore passed and approved Ordinance 1186, An Ordinance Regulating Traffic in the Village of Lombard (hereinafter the Lombard Traffic Code); and

WHEREAS, the President and Board of Trustees of the Village of Lombard find that the Lombard Traffic Code has been amended from time to time; and

WHEREAS, the Transportation and Safety Committee has reviewed the appropriate traffic studies and recommends certain changes to the Lombard Traffic Code; and

WHEREAS, the Corporate Authorities of the Village of Lombard concur in the recommendation of the Transportation and Safety Committee.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

Section 1: That Schedule I (ALTERED MAXIMUM SPEED LIMITS) of the Lombard Traffic Code (Ordinance 1186) is amended to reflect the following speed limit alteration:

“Grace Street from Madison Street to Maple Street, Maximum Speed 25 MPH”

Section 2: That this Ordinance shall be in full force and effect from and after its passage, approval, publication in pamphlet form and the posting of appropriate signs as provided by law.

Passed on first read this \_\_\_\_ day of \_\_\_\_\_, 2017.

First reading waived by action of the Board of Trustees this \_\_\_\_ day of \_\_\_\_\_, 2017.

Passed on second read this \_\_\_\_ day of \_\_\_\_\_, 2017.

Ayes:

Nays:

Absent:

Approved this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Keith T. Giagnorio  
Village President

Attest:

\_\_\_\_\_  
Sharon Kuderna  
Village Clerk

Published by me in pamphlet form this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Sharon Kuderna, Village Clerk

Ordinance No.

WHEREAS, the President and Board of Trustees of the Village of Lombard have heretofore passed and approved Ordinance 1186, An Ordinance Regulating Traffic in the Village of Lombard (hereinafter the Lombard Traffic Code); and

WHEREAS, the President and Board of Trustees of the Village of Lombard find that the Lombard Traffic Code has been amended from time to time; and

WHEREAS, the Transportation and Safety Committee has reviewed the appropriate traffic studies and recommends certain changes to the Lombard Traffic Code; and

WHEREAS, the Corporate Authorities of the Village of Lombard concur in the recommendation of the Transportation and Safety Committee.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

Section 1: That Schedule III (STOP INTERSECTIONS) of the Lombard Traffic Code (Ordinance 1186) is amended to reflect the addition of the following intersection:

"Park Avenue and Grove Street"

Section 2: That this Ordinance shall be in full force and effect from and after its passage, approval, publication in pamphlet form and the posting of appropriate signs as provided by law.

Passed on first read this \_\_\_\_ day of \_\_\_\_\_, 2017.

First reading waived by action of the Board of Trustees this \_\_\_\_ day of \_\_\_\_\_, 2017.

Passed on second read this \_\_\_\_ day of \_\_\_\_\_, 2017.

Ayes:

Nays:

Absent:

Approved this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Keith T. Giagnorio  
Village President

Attest:

\_\_\_\_\_  
Sharon Kuderna  
Village Clerk

Published by me in pamphlet form this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Sharon Kuderna, Village Clerk