

**VILLAGE OF LOMBARD**  
**REQUEST FOR BOARD OF TRUSTEES ACTION**  
**For Inclusion on Board Agenda**

**DISTRICT**

Resolution or Ordinance (Blue) Waiver of First Requested   
 Recommendations of Boards, Commissions & Committees (Green)  
 Other Business (Pink)

**TO :** PRESIDENT AND BOARD OF TRUSTEES

**FROM:** William T. Lichter, Village Manager

**DATE :** October 25, 2006 **B of T** November 2, 2006

**SUBJECT:** Neighborhood Street Lighting Projects as Special Service Areas

**SUBMITTED BY:** David A. Dratnol, P.E., Village Engineer

**BACKGROUND/POLICY IMPLICATIONS:**

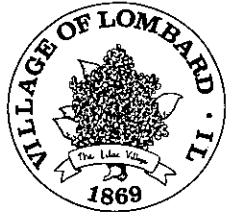
Please see attached memorandum

**Fiscal Impact/Funding Source:**

Review (as necessary):

Finance Director \_\_\_\_\_ Date \_\_\_\_\_  
Village Manager W. Thomas T. Lichter Date 10/25/06

**NOTE:** All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda distribution.



## InterOffice Memo

**To:** William T. Lichter, Village Manager  
**Through:** Wesley B. Anderson, Director of Public Works *Wesley Anderson*  
**From:** David A. Dratnol, P.E., Village Engineer *DA Dratnol*  
**Date:** October 20, 2006  
**Subject:** Neighborhood Street Lighting Projects as Special Service Areas

At the January 5, 2006 Village Board meeting, the Board directed Public Works to prepare an estimate for the installation of a street lighting system in a representative area. The Board asked staff for an analysis using a special service area, and to determine what the cost would be to a typical homeowner. Trustee Florey expressed an interest in having the costs determined for Project Area 5A, so Public Works used that project area as the sample. Project Area 5A is located east of Madison Meadows, between the Great Western trail and Maple Street. Table 1 lists the street segments within the project area, their lengths, and the number of properties fronting each street.

**TABLE 1**  
**Street Segments**

Street Name	Limits		Length (Feet)	Properties Fronting on Street
	From	To		
St. Charles Place	St. Charles Road	Edgewood Avenue	676	0
St. Charles Place	Edgewood Avenue	Lewis Avenue	335	4
St. Charles Place	Lewis Avenue	Lodge Avenue	330	2
St. Charles Place	Lodge Avenue	Chase Avenue	666	8
Emerson Avenue	Edgewood Avenue	Lewis Avenue	335	6
Emerson Avenue	Lewis Avenue	Lodge Avenue	323	4
Emerson Avenue	Lodge Avenue	Chase Avenue	652	11
Edgewood Avenue	Maple Street	Emerson Avenue	631	12
Edgewood Avenue	Emerson Avenue	St. Charles Place	1350	18
Lewis Avenue	Maple Street	Emerson Avenue	634	14
Lewis Avenue	Emerson Avenue	St. Charles Place	1348	35
Lodge Avenue	Maple Street	Emerson Avenue	633	18
Lodge Avenue	Emerson Avenue	St. Charles Place	1301	36
Chase Avenue	Maple Street	Emerson Avenue	631	17
Chase Avenue	Emerson Avenue	St. Charles Place	1201	34
Totals:			11046	219

Public Works prepared a preliminary layout using current Village street light standards. The estimated construction cost for this project is \$615,000 using current unit prices. Design and resident engineering costs are estimated at ten percent each. For a special service area, the legal fees are two percent of the estimated cost of construction plus actual costs incurred. Staff has used three percent to cover legal fees and costs. Table 2 Summarizes costs associated with the project.

**Table 2  
Estimated Costs**

Estimated Construction Cost		\$615,000.00
Design Engineering	10%	\$61,500.00
Resident Engineering	10%	\$61,500.00
Subtotal Engineering and Construction		\$738,000.00
Legal Fees and Costs	3%	\$18,456.62
<b>Total Costs</b>		<b>\$756,456.62</b>

Table 3 depicts various scenarios for dividing the costs between residents and the Village for the sample project. The Village currently has \$3,000,000 dollars programmed in the CIP for street lighting projects. The table also shows an estimate of the number of projects the Village could accomplish based on various cost sharing between residents and the Village. Note that this projection is based on constant dollars (no adjustments for inflation for future years).

**Table 3  
Distribution of Costs**

Distribution of costs Property Owners / Village	Resident Cost		Village Cost	With programmed \$3 million the number of projects that could be accomplished
	Total	Per Lot	Total	
100% / 0%	\$756,500	\$3,454.34	\$0	Unlimited
75% / 25%	\$567,375	\$2,590.75	\$189,125	15.9
50% / 50%	\$378,250	\$1,727.17	\$378,250	7.9
25% / 75%	\$189,125	\$863.58	\$567,375	5.3
0% / 100%	\$0	\$0.00	\$756,500	4.0

Please present this item to the Village Board for discussion and direction. Staff will be available to answer any questions the Village Board may have.

# HIGHLAND PARK LIGHTING PROJECT

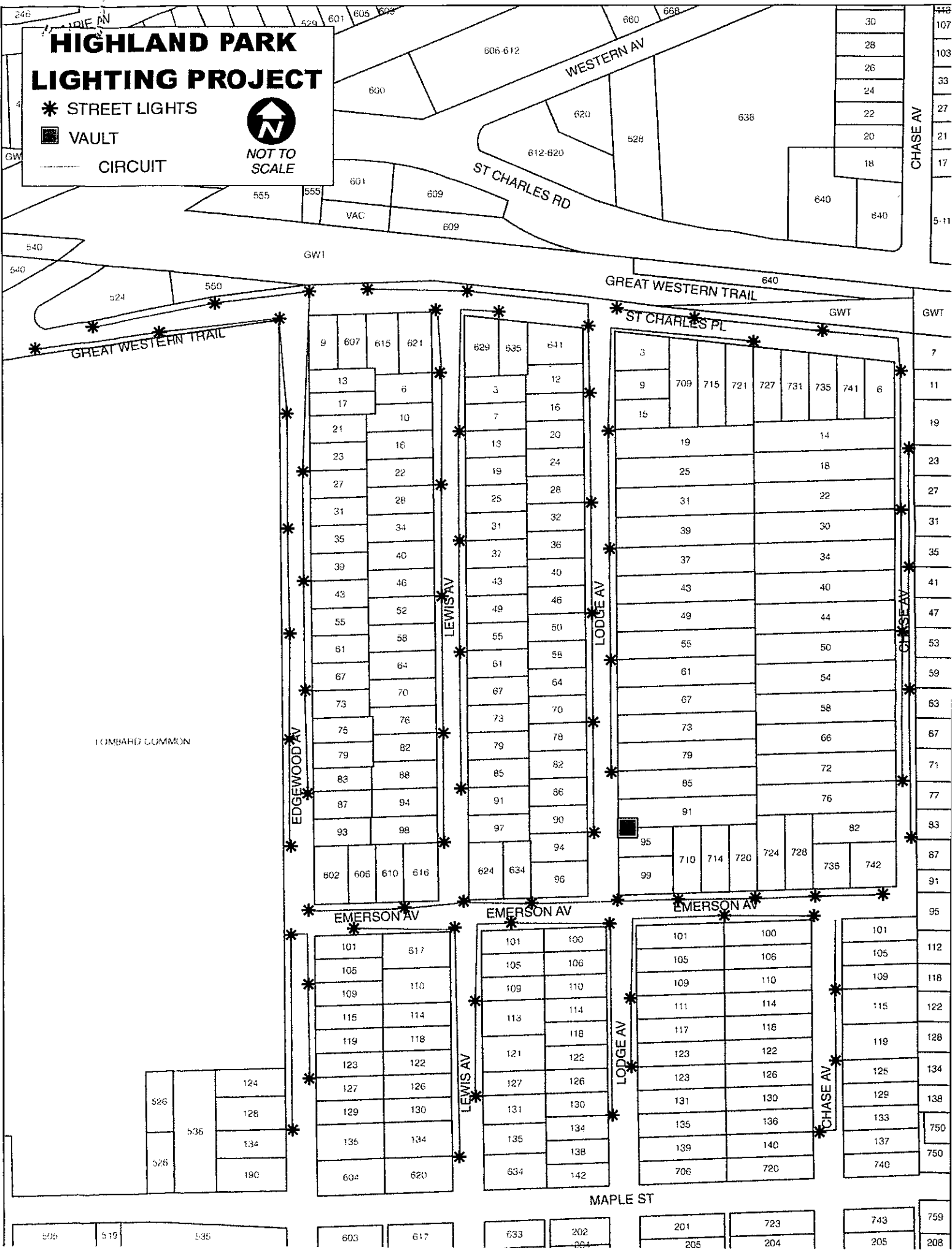
\* STREET LIGHTS

■ VAULT

--- CIRCUIT



NOT TO SCALE



LOMBARD COMMON

MAPLE ST

449
107
103
33
27
21
17
5-11

7
11
19
23
27
31
35
41
47
53
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112
118
122
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134
138
750
750
759
208

30
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26
24
22
20
18
640
640

640
GWT
GWT
GWT

9	607	615	621	629	635	641	3	709	715	721	727	731	735	741	6	19	14
13		6		3		12	9									25	18
17		10		7		16	15									31	22
21		16		13		20										37	34
23		22		19		24										43	40
27		28		25		28										49	44
31		34		31		32										55	50
35		40		37		36										61	54
39		46		43		40										67	58
43		52		49		46										73	66
55		58		55		50										79	72
61		64		61		58										85	76
67		70		67		64										91	82
73		76		73		70										95	82
75		82		79		78										99	710
79		88		85		82										714	720
83		94		91		86										724	728
87		98		97		90										736	742
93		602	606	610	616	624	634	96									

101	617	101	100	101	100	101	101
105	110	105	106	105	106	105	105
109	114	109	110	109	110	109	109
115	118	113	114	111	114	115	115
119	122	121	118	117	118	119	119
123	126	127	122	123	122	123	123
127	130	127	126	123	126	129	125
129	134	131	130	131	130	133	129
135	138	135	134	135	136	137	133
604	620	634	142	706	720	740	740

505	519	535	603	617	633	202	201	723	743	759
							205	204	205	208