

To: Public Works Committee

From: Wesley B. Anderson, Director of Public Works

A handwritten signature in black ink, appearing to read "Wesley B. Anderson", is written over the printed name.

Date: December 7, 2006

Subject: Street Lighting Prioritization and Board of Trustee Guidance

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Public Works at the November 2, 2006 Board of Trustees meeting briefed the Trustees on the costs for a sample street lighting project using a Special Service Area as the funding method. The Board of Trustee's decided to pursue the concept and stated that they would like to move as fast as possible with the program and that the program should focus on residential areas no matter the type of street.

Staff has modified one of the alternatives reviewed earlier by the Committee to meet the Board of Trustees intent. Public Works requests the Committee to review and comment before the prioritization plan goes back to the Board.



**Comprehensive Street Lighting  
Program  
Project Prioritization**

**Briefing to Public Works Committee  
December 12, 2006**



**Program Goal**



**Light the Village**



## Board of Trustees Recent Guidance



- **Refine concept using Special Service Area**
  - Resident/Village share not determined
- **Priorities to residential areas**
- **Speed up the effort**



## Implementation Concept




- **Programmed road construction**
- **Separate street light projects**
  - Requirement - \$26 Million (CY05 Dollars)
  - Proposed FY 2008 – 2017 Capital Improvement Program
    - FY2008 - \$1,000,000
    - FY2009 - \$1,000,000
    - FY2010 - \$1,000,000
- **Commercial areas separate list**






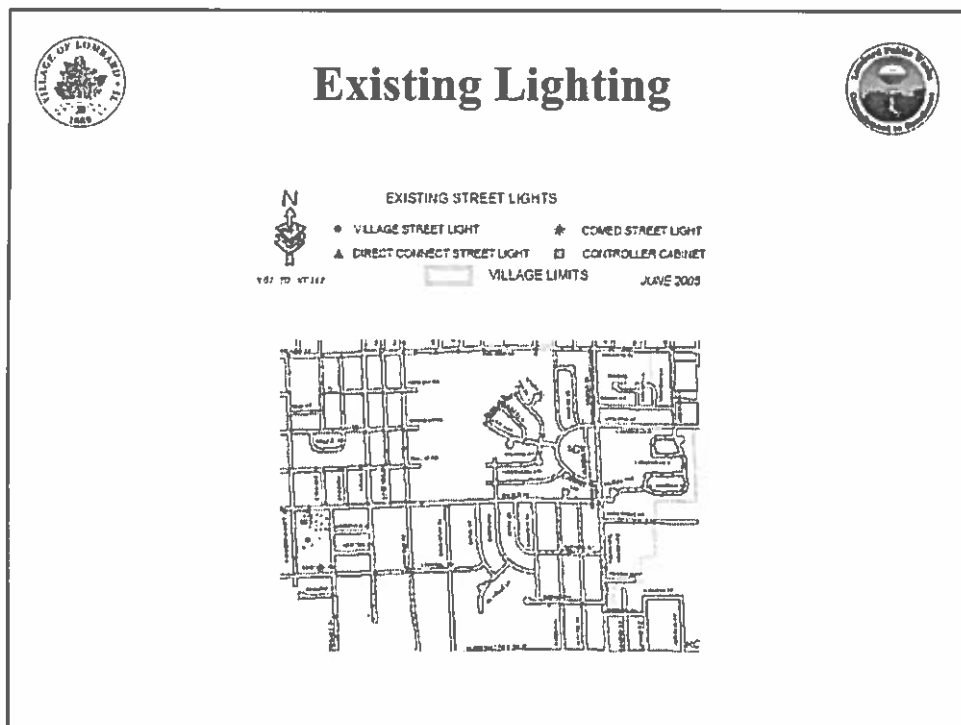
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- ### Prioritization Criteria
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- Existing Lighting
  - Traffic Volumes
  - Proximity to
    - Schools & Churches
    - Recreational Areas
    - Commercial/Retail Areas
  - Fill in the Gap
  - Incidences of
    - Burglary
    - Vandalism

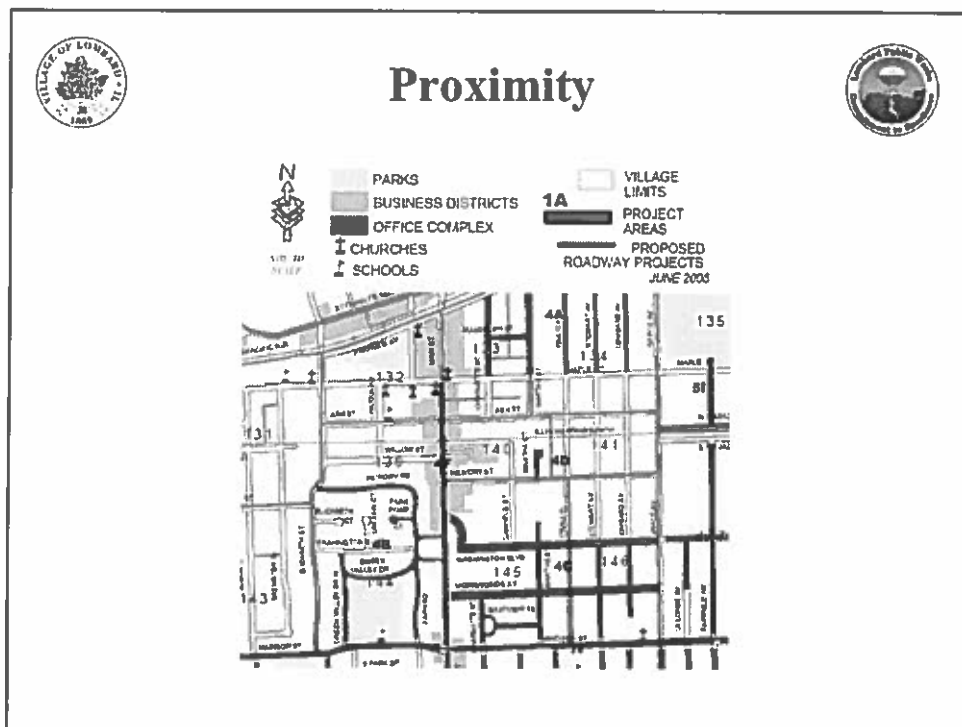
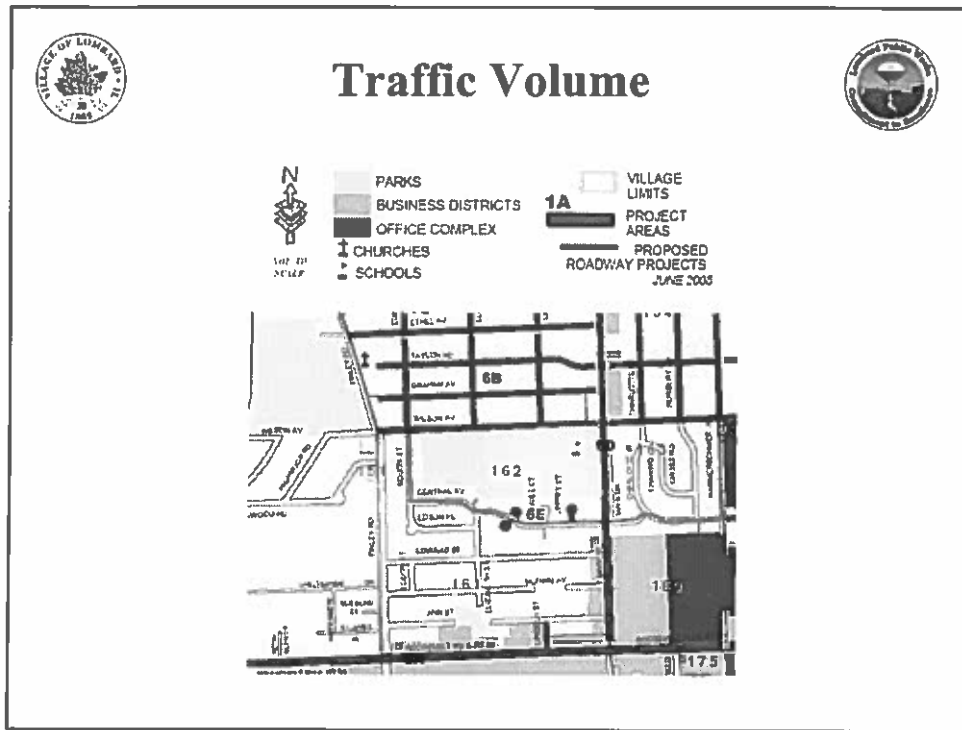


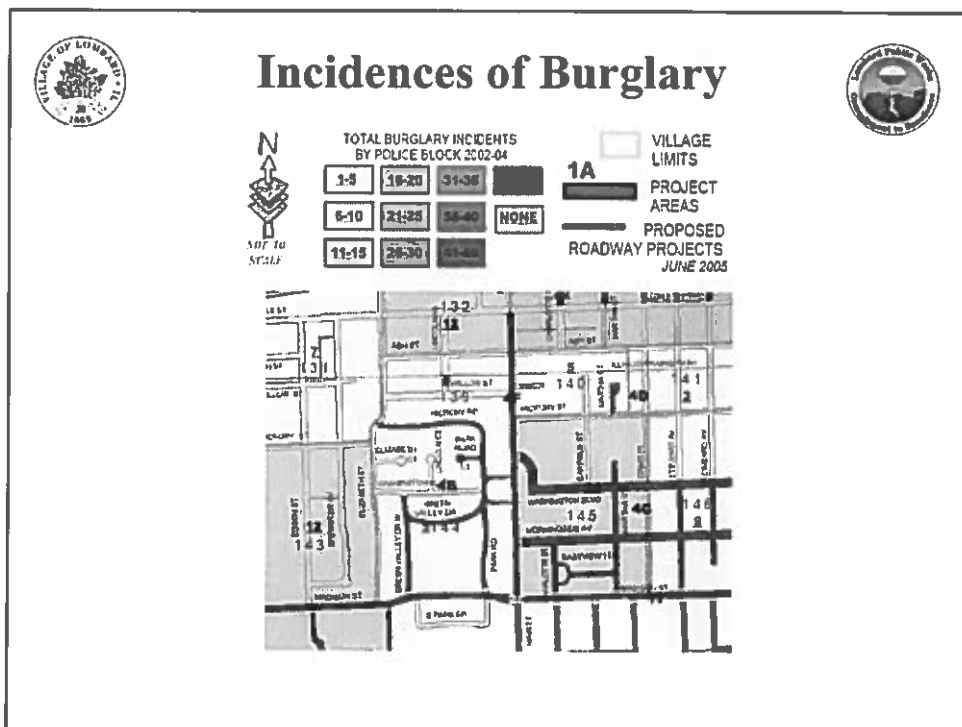
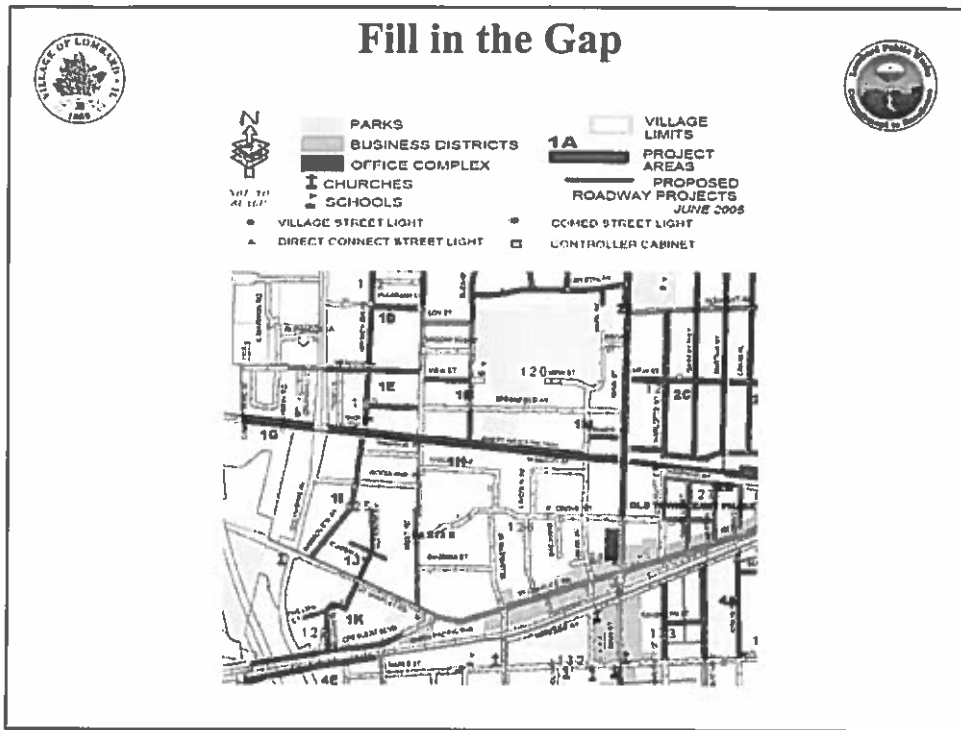
## Detailed Spread Sheet



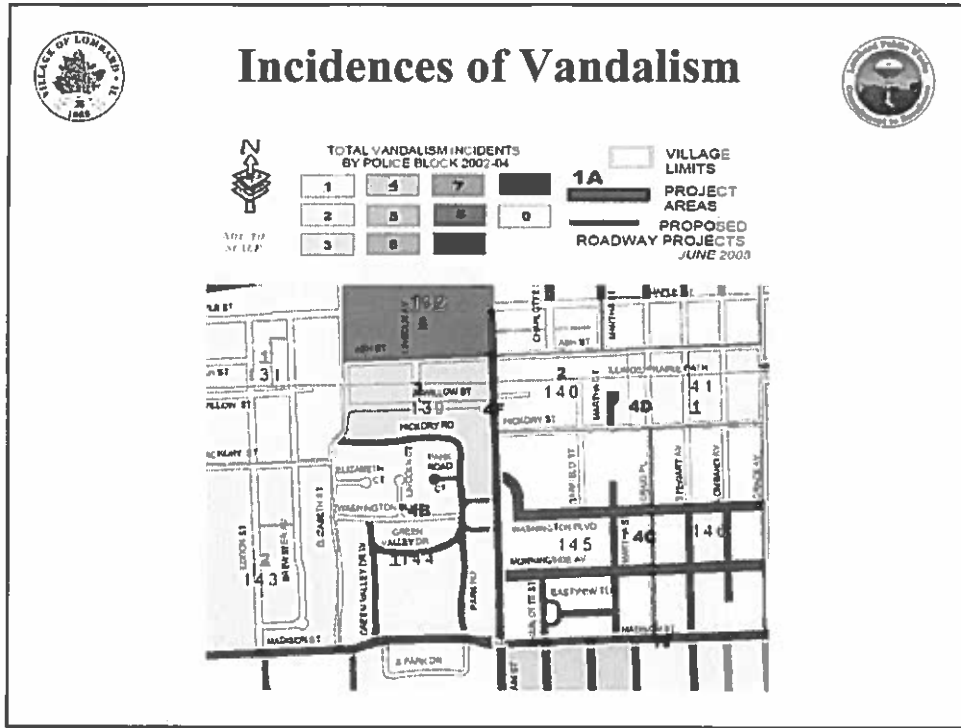
DESCRIPTION				SUPPLEMENTAL STREET LIGHTING PROGRAM-CAPITAL IMPROVEMENT PRIORITIZING CRITERIA									
#	STREET	FROM	TO	Existing Lighting	Proximity to			Traffic Volume	Incidence of		Fill in the Gaps	Total Score Out of 120	Length (feet)
					Schools/ Churches	Recreational Areas	Commercial/ Retail Areas		Burglary	Vandalism			
1M	PRAIRIE	PARK	MAIN	10	8	8	8	1	2	1	10	75.3	400
<b>Subtotal</b>												<b>400</b>	
2A	GARFIELD	NORTH	GOEBEL	8	8	10	9	2	1	2	10	79.5	1,000
	CRAIG	NORTH	SUNSET										1,400
	LEMOYNE	GARFIELD	GRACE										1,700
	GOEBEL	GARFIELD	GRACE										1,700
<b>Subtotal</b>												<b>5,800</b>	











### Criteria Weight

Weighting Values							
Existing Lighting	Proximity to Schools/ Churches	Proximity to Recreational Areas	Proximity to Commercial/ Retail Areas	Traffic Volume	Incidence of Burglary	Incidence of Vandalism	Fill in the Gap
2.50	1.50	1.50	1.50	1.75	1.00	1.00	1.25



## **Committee Recommendation From May 2005**



- **Treat separately**
  - Great Western Trail (apply for grants)
  - Roosevelt Road
- **Prioritize by category based on traffic volume then separate projects**
  - Arterial
  - Collector
  - Residential
  - Great Western Trail
  - Roosevelt Road



## **Committee Recommendation (continued)**



- **Within category prioritize by weight**
- **Additionally**
  - Treat an arterial roadway as one
  - Complete it in one project



## Public Works Recommendations



- **Prioritize by project not type road**
  - Alternate reviewed earlier
- **Move 5 non-residential projects to a new category**
  - Crescent Blvd; Finley to Village limits
  - Highland Ave\*; Roosevelt to 22<sup>nd</sup>
  - Glen Oak Rd; Finley to Village Limits
  - Church Ave; Morris to Roosevelt
  - 13<sup>th</sup> St; Garfield to Highland

\* Unincorporated Residential



## Operational Considerations



- **Present annual operational costs**

– Electricity*	\$ 155,000
– Maintenance & Repair contract	\$ 72,000
– In-house repairs (parts)	\$ 6,000
– Total	\$ 233,000
- **Future additional operational costs**

– 100% Village at \$3 Million	
– Electricity*	\$ 8,500
– Maintenance & Repair contract	\$ 2,800
– In-house repairs (parts)	\$ 200
– Total	\$ 11,500

\*Current electricity costs



## What's Next



- **Board of Trustees**
  - Approval of proposed priorities
  - Resident/Village share
- **Convert proposed priorities into SSA packages**
- **Design/Bid/Award**
  - Design FY08
  - Targeted award date

VILLAGE OF LOMBARD  
 COMPREHENSIVE STREET LIGHTING PROGRAM - Total Score Priority Spreadsheet  
 CBBEL PROJECT NO. 01-31 BG 2

Proposed Priorities based on Nov 06 BOT Guidance

Project ID	STREET	FROM	TO	Length (feet)	Estimated Total Cost	Cumulative Total Cost
6D	MAIN ST.	MADISON ST.	ROOSEVELT RD.	5300	\$448,941	\$448,941
2F	MAIN ST.	NORTH AV.	GROVE ST.	5600	\$448,000	\$896,941
4F	MAIN ST.	MAPLE ST.	MADISON ST.	3400	\$288,000	\$1,184,941
6E	JEFFERY CT.	CENTRAL AV.	N/O CUL-DE-SAC	400	\$32,000	\$1,216,941
6B	WILSON AV.	FINLEY RD.	MAIN ST.	11100	\$888,000	\$2,104,941
7I	MADISON ST.	MAIN ST.	FAIRFIELD AV.	3300	\$264,000	\$2,368,941
7H	MADISON ST.	FAIRFIELD AV.	WESTMORE AV.	3300	\$264,000	\$2,632,941
2A	GOEBEL DR.	GARFIELD ST.	GRACE ST.	5800	\$464,000	\$3,096,941
7B	GRACE ST.	HARRISON RD.	WILSON AV.	5920	\$473,600	\$3,570,541
5A	LODGE AV.	ST. CHARLES RD.	MAPLE ST.	9600	\$768,000	\$4,338,541
2B	BERKSHIRE AV.	MAIN ST.	STEWART AV.	4200	\$336,000	\$4,674,541
1I	BROADVIEW AV.	GREAT WESTERN TRAIL	ST. CHARLES RD.	1700	\$136,000	\$4,810,541
7K	WILSON AV.	MAIN ST.	FAIRFIELD AV.	3400	\$272,000	\$5,082,541
4B	GREEN VALLEY DR.	GREEN VALLEY DR. W	PARK RD.	6200	\$496,000	\$5,578,541
1J	GLENVIEW AV.	ST. CHARLES RD.	500' N/O EUGENIA ST.	1500	\$120,000	\$5,698,541
1M	PRAIRIE AV.	PARK AV.	MAIN ST.	400	\$32,000	\$5,730,541
5L	MAPLE ST.	GRACE ST.	WESTMORE AV.	4000	\$320,000	\$6,050,541
1F	ELIZABETH ST.	GREENFIELD AV.	GREAT WESTERN TRAIL	1000	\$80,000	\$6,130,541
7D	STEWART AV.	WILSON RD.	ROOSEVELT RD.	7500	\$600,000	\$6,730,541
7A	GRACE ST.	MADISON ST.	HARRISON RD.	11700	\$936,000	\$7,666,541
5B	MAPLE ST.	WESTMORE AV.	W. TO VILLAGE LIMITS	8100	\$648,000	\$8,314,541
5K	HIGHLAND AV.	GREAT WESTERN TRAIL	ILLINOIS PRAIRIE PATH	2600	\$208,000	\$8,522,541
7L	WILSON AV.	FAIRFIELD AV.	WESTMORE AV.	3300	\$264,000	\$8,786,541
3C	SUNSET AV.	GRACE ST.	WESTWOOD AV.	9200	\$736,000	\$9,522,541
7E	FAIRFIELD AV.	WILSON RD.	CENTRAL AV.	4300	\$344,000	\$9,866,541
5C	LODGE AV.	MAPLE ST.	NORTH BROADWAY	2400	\$192,000	\$10,058,541
6C	HARRISON RD.	MAIN ST.	HAMMERSCHMIDT AV.	11700	\$936,000	\$10,994,541
6A	HARRISON RD.	FINLEY RD.	MAIN ST.	12700	\$1,016,000	\$12,010,541

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Proposed Priorities based on Nov 06 BOT Guidance

Project ID	STREET	FROM	TO	Length (feet)	Estimated Total Cost	Cumulative Total Cost
5E	WASHINGTON BLVD.	LODGE AV.	WESTMORE AV.	13400	\$1,072,000	\$13,082,541
1E	MEADOW AV.	IL RTE. 53	WEST RD.	2600	\$208,000	\$13,290,541
3B	PRAIRIE AV.	GRACE ST.	WESTWOOD AV.	11400	\$912,000	\$14,202,541
1L	BROADVIEW AV.	NORTH AV.	900' S/O NORTH AV.	900	\$72,000	\$14,274,541
3A	PLEASANT AV.	GRACE ST.	WESTWOOD AV.	10600	\$848,000	\$15,122,541
2C	VIEW ST.	MAIN ST.	MARTHA ST.	8100	\$648,000	\$15,770,541
1B	ELIZABETH ST.	NORTH AV.	SUNSET AV.	8300	\$664,000	\$16,434,541
1C	ELIZABETH ST.	SUNSET AV.	LOY ST.	9300	\$744,000	\$17,178,541
5G	MADISON ST.	WESTMORE AV.	ADDISON ST.	1800	\$144,000	\$17,322,541
5D	WASHINGTON BLVD.	GRACE ST.	LODGE AV.	12700	\$1,016,000	\$18,338,541
4C	WASHINGTON BLVD.	MAIN ST.	GRACE ST.	10200	\$816,000	\$19,154,541
1A	WEST RD.	NORTH AV.	PLEASANT LN.	4300	\$344,000	\$19,498,541
1D	PLEASANT LN.	BROADVIEW AV.	WEST RD.	2000	\$160,000	\$19,658,541
3D	GRACE ST.	NORTH AV.	ST. CHARLES RD.	5000	\$400,000	\$20,058,541
2D	VIEW ST.	MARTHA ST.	GRACE ST.	8200	\$656,000	\$20,714,541
5F	WASHINGTON BLVD.	WESTMORE AV.	ADDISON ST.	3900	\$312,000	\$21,026,541
6G	MADISON ST.	FINLEY RD.	MAIN ST.	3000	\$240,000	\$21,266,541
7C	JACKSON ST.	WESTMORE AV.	ADDISON ST.	4100	\$328,000	\$21,594,541
5I	FAIRFIELD AV.	MAPLE ST.	NORTH BROADWAY	600	\$48,000	\$21,642,541
5H	DIVISION ST.	WESTMORE AV.	ADDISON ST.	1300	\$104,000	\$21,746,541
4D	MARTHA CT.	HICKORY RD.	300' N/O HICKORY RD.	300	\$24,000	\$21,770,541
4A	CRAIG PL.	PARKSIDE AV.	MAPLE ST.	8300	\$664,000	\$22,434,541
7F	LEWIS AV.	WILSON AV.	MICHELLE LN.	7500	\$600,000	\$23,034,541
6F	WILSON AV.	PARKVIEW BLVD.	IL RTE. 53	1100	\$88,000	\$23,122,541
9A	ELIZABETH ST.	22ND ST.	800' N/O 22ND ST.	800	\$64,000	\$23,186,541

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 CBBEL PROJECT NO. 01-31 BG 2

Proposed Priorities based on Nov 06 BOT Guidance

Project ID	STREET	FROM	TO	Length (feet)	Estimated Total Cost	Cumulative Total Cost
Commercial & non-residential collectors						
1K	CRESCENT BLVD.	FINLEY RD.	W. TO VILLAGE LIMITS	3300	\$215,636	\$23,402,178
9B	HIGHLAND AV.	ROOSEVELT RD.	22ND ST.	6400	\$536,941	\$23,939,119
4E	GLEN OAK RD.	FINLEY RD.	W. TO VILLAGE LIMITS	2400	\$192,000	\$24,131,119
7J	CHURCH AV.	MORRIS AV.	ROOSEVELT RD.	900	\$72,000	\$24,203,119
8B	13TH ST.	GARFIELD ST.	HIGHLAND AV.	700	\$56,000	\$24,259,119
Great Western Trail						
1H	GREAT WESTERN TRAIL	IL RTE. 53	MAIN ST.	3900	\$312,000	\$24,571,119
5J	GREAT WESTERN TRAIL	ST. CHARLES RD.	EAST VILLAGE LIMITS	4300	\$344,000	\$24,915,119
2E	GREAT WESTERN TRAIL	MAIN ST.	UNION PACIFIC RAILROAD	3400	\$272,000	\$25,259,119
1G	GREAT WESTERN TRAIL	IL 355	IL RTE. 53	900	\$72,000	\$25,259,119
Roosevelt Road						
7G	ROOSEVELT RD.	HIGHLAND AV.	CHURCH AV.	5700	\$482,824	\$25,741,942
8A	ROOSEVELT RD.	W. VILLAGE LIMITS	HIGHLAND AV.	6000	\$488,824	\$26,230,766

All streets in each project area may not be included on this spreadsheet. Street limits identified above are roadways with the highest traffic volume within each project area.