



MEMORANDUM

TO: Public Works Committee

THROUGH: David A. Hulseberg, Village Manager

FROM: Carl S. Goldsmith, Director of Public Works *Cg*

SUBJECT: **Second Draft: FY 2013-FY 2022 Capital Improvement Program**

DATE: December 5, 2011

Attached is the second draft of the Capital Improvement Program for Fiscal Year 2013 – Fiscal Year 2022. The Public Works Committee reviewed the 1st draft of the CIP at the December 13, 2011 meeting. Since the review of the first draft of the CIP, the Village's financial picture, as well as the estimate of several projects has become clearer. The ten year funding source summary and project summary sheets have been provided for your consideration. As a result of the Village Board amending the Village of Lombard's fiscal year from June 1st-May 30th to January 1st – December 31st, the Village will be shifting to a calendar year budget. The FY 2013-FY 2022 document reflects the first calendar year CIP.

The second draft of the FY 2013-FY 2022 Capital Improvement Program is proposed at \$145,481,150. A total of \$128,917,350 in local and \$16,563,800 in non-local funds are projected to be spent for capital improvements during the FY 2013-FY 2022 Capital Improvement Program. For FY 2013, the CIP is funded at \$18,203,900, with \$15,093,900 in local funds (Capital Projects Fund, Hotel/Motel Tax, TIF funds and Water/Sewer Capital Reserve Fund) and \$3,110,000 in non-local funds.

Included in the proposed expenditures for FY 2013 of \$18,203,900 are the following expenditures: \$1,400,000 for facility maintenance and improvements; \$159,200 for right-of-way maintenance and beautification; \$5,968,500 for sewer/stormwater control improvements not performed in conjunction with a street project; \$105,000 for sidewalk improvements; \$8,925,400 for street maintenance, construction and related underground improvements; \$342,000 for traffic signal and street lighting improvements; and \$1,303,800 for water system improvements not attributable to a street project.

In addition to the non-home rule sales tax, other revenue sources used to finance capital improvements include a 5% utility/telecommunications tax, the public benefit property tax, Motor Fuel Tax and community parking revenue.

What follows is the second draft of the FY 2013–FY 2022 Capital Improvement Program. Revisions and additions will be incorporated in the third draft of the Capital Improvement Program draft based upon the Committee’s direction and further Staff review. The projects contained in the Capital Improvement Program for FY 2013 are summarized below and are presented by project category. **Any changes from the first draft are denoted by bold text.**

Facility Maintenance and Improvements

Salt Dome/North Garfield Site Improvements – The project will allow the construction of a salt dome at the North Garfield site, which will increase the Village's ability to respond to winter storms while minimizing the impact of salt storage on the environment. This project has been in the CIP for several years. The project was engineered in 2007 and the preliminary site work was bid out in 2008, but bids were significantly higher than the budget. The first draft of the FY 2013 CIP contained funding for the salt dome construction (\$550,000), but had the construction of the garage in FY 2014. **At the December 13, 2011 meeting, the Committee had requested consideration of this project, in its entirety in FY 2012b. Given the short year (June 1 – December 31) it is not possible that site work and construction would occur simultaneously. As such, the CIP reflects site work in FY 2012b and the two structures in FY 2013 at a cost of \$700,000.**

GIS Development Project – This project is a multi-year project funded at \$25,000 annually. The purpose of this project is to update and correct material deficiencies in the Village’s mapping system. The information utilized to construct the layers in the system was input by an outside firm and lacks the precision necessary to ensure usefulness of the data.

Roof Restoration – Underground Utility Building – The roof at the Underground Utility Building is due for a restoration work to prolong the useful life of the roof structure. The FY 2013 CIP contains \$50,000 for the project.

Roof Replacement Civic Center Reservoir – The FY 2013 CIP contains \$60,000 for the replacement of the roof at the Civic Center Reservoir. Based upon the roof scans conducted in 2009, the roof shows significant deterioration and is in need of replacement.

Roof Replacement – Fire Station #1 – The FY 2013 CIP contains \$45,000 for the replacement of the roof at Fire Station #1. The roof shows significant deterioration and is in need of replacement

Roof Replacement -Public Works Building – The roof structure has outlived its design life and is in need of replacement. The cost of the improvement is estimated at \$250,000.

Public Works Facility Accessibility Upgrades – The FY 2013 CIP contains \$100,000 for accessibility improvements to the Public Works building. The Building was constructed

in 1973 and is not compliant with any provisions of the ADA. The improvements would include the construction of a ramp on the north side of the facility, as well as powered entry doors.

Carriage House Addition – This project is being undertaken by the Lombard Historical Society. The project will expand the Carriage House located on Maple Street to provide additional exhibit areas. The Village has prepared an Intergovernmental Agreement to govern the expansion and no Village funds are directly attributed to the project.

General Facility Maintenance – The funding of this project is set at \$50,000 annually and is used for the maintenance of the Village facilities, not attributable to a specific project.

Street Construction and Improvements

Hill Avenue Bridge – This project provides for the replacement of the bridge and adjacent pavement surface. The FY 2013 Capital Improvement Program contains \$2,750,000 for the construction of the bridge structure. This project is funded through Federal funds, a contribution of \$300,000 from the Village of Glen Ellyn and \$550,000 in Lombard Motor Fuel Tax.

Finley Road Whitetopping – FY 2013 represents the second year of the project. The FY 2013 project includes the replacement of curbs and roadway Whitetopping. The FY 2013 contains \$2,550,400 for the Whitetopping of Finley Road.

Madison Street (Grace to Westmore) – The Village will replace panels as necessary and diamond grind the project area to improve rideability across the joints. It is anticipated that the improvement will take place in FY 2013 at a cost of \$360,000.

Route 53 (St. Charles to North Avenue) – This project is being done in conjunction with the proposed IDOT widening and resurfacing of Route 53. The Village has committed \$363,000 to cover the cost of sidewalks and pedestrian facilities.

Lombard Meadows 1: Chase Lane & Court – FY 2013 contains \$164,500 for the design and geotechnical engineering for the reconstruction of the roadways, which is proposed for FY 2014.

Maintenance Programs - The FY 2013 CIP contains \$539,500 for the General Local Street Resurfacing Program, \$327,000 for the Local Street Resurfacing with Village Crews and \$50,000 for the Curb Replacement Program, \$436,000 for the Full-Depth Asphalt Patching Program, \$140,000 for Crack Sealing, \$820,000 for General Concrete Street Rehabilitation Program, \$100,000 for the Concrete Utility Patching, \$70,000 for the Surface Treatment Program, \$140,000 for Parkway Restoration and \$125,000 for the Asphalt Utility Patching. The specific locations for these projects have not been identified, but will be based upon the Pavement Management Study.

Traffic Signal and Street Lighting Improvements

Traffic Signal & Intersection (Madison & Route 53) – This project consists of roadway improvements to the intersection, as well as the installation of a traffic signal. This project is a joint effort between the Village of Lombard, IDOT and York Township. The Village has programmed \$240,000 in FY 2013 for the design engineering. Construction is anticipated in FY 2014 at a cost of \$3,225,800.

Street Light Pole Replacement – This project provides \$50,000 for the maintenance and replacement of street light poles and traffic signals not included in a specific project. The Village utilizes these funds to inspect the traffic signal poles.

Railroad Crossing at Elizabeth Street – The project intent is to upgrade the crossing gates at Elizabeth Street to a quad gate system. The Village is working with the ICC and Union Pacific to improve public safety. The Village's cost of the project covers the engineering and is set at \$52,000 in FY 2013 and \$59,500 in FY 2014. The construction costs will be funded by the ICC and Union Pacific.

Water System Improvements

Eisenhower Lane Reservoir Facility – This proposed Eisenhower Lane potable water storage facility is required to accommodate water demands on the south side of Lombard. A single pedestal elevated tank is proposed. The Village will be conducting a network analysis in FY 2012b to determine capacity and other design parameters in advance of the FY 2013 CIP. The FY 2013 contains \$57,500 for geotechnical engineering.

Roosevelt Road Watermain Replacement Phase I – The Village has experienced significant break history on Roosevelt Road between Luther Avenue and Edgewood Avenue. The Village has two additional phases of the project that are included in future years in the CIP. The FY 2013 CIP contains \$789,300 for construction of the watermain improvement.

Roosevelt Road Watermain Replacement Phase II – The FY 2013 CIP contains \$82,000 for the design and geotechnical engineering for Phase II. The Phase II construction will occur in FY 2014.

Civic Center Reservoir Facility - Generator – This project includes the replacement of the existing generator and underground fuel tank with an above-ground unit. The cost of the project is estimated at \$225,000.

Maintenance Programs - The FY 2013 CIP contains \$150,000 for the Watermain Maintenance and Improvement Programs not associated with a standalone project.

Sewer System/Stormwater Improvements

Clear Water Disconnect Grant Program – The Village recently revised the grant program to incorporate “triggers” for compliance that are tied to Village issued building permits. FY 2012 contains \$75,000 in funds for the grant program. This is an increase of \$25,000 over the previous CIP allocation.

IL Route 53 Stormwater Pump Station – The original improvements anticipated for the station included the replacement of the existing vertical turbine pumps with submersible pumps and inclusion of a grit chamber to prevent debris from entering that station and interrupting operations. However, as the consultant presented the Preliminary Design Report (PDR), it became clear that this was not the most suitable option. Instead, the Village will be looking to abandon the station, which is constructed in the 100 year floodplain and construct a new station upstream that will ensure proper operation of the station. The new station will increase the capacity to pump stormwater and alleviate flooding upstream. The cost of the project is estimated at \$6,500,900. The FY 2013 CIP contains \$1,903,600 for construction, resident engineering, permitting and construction material testing.

Route 53 Underground Improvements – The FY 2013 CIP contains \$2,064,900 for the replacement and relocation of Village owned utilities within the IDOT right-of-way. The utilities will be relocated by IDOT’s contractor.

Lift Station, Rebuild – Fairview – The first draft FY 2013 CIP contained \$330,000 for the construction of the station improvements. Based upon the preliminary engineering, the scope and cost of the project have changed. The revised cost estimate for the project is \$1,261,800 with \$84,100 design engineering in FY 2013 and \$1,131,600 for construction in FY 2014. This project was developed in response to the July 23-24, 2010 storm event.

Terrace View Pond – Pump Station/Pond Modification – This project has been split into phases based upon discussions with the Lombard Park District. Phase I seeks to lower of the pond by one (1) foot through the installation of a pump station and control panel. The FY 2013 CIP contains \$17,100 for permitting.

Terrace View Pond – Storm Sewer Improvements – This project is the second component to the proposed improvements to the pond designed to alleviate flooding in the adjacent areas. The project entails the installation of two relief sewers which will discharge directly into the pond. The FY 2013 CIP contains \$250,000 for land acquisition required to proceed with the project.

Pump Station Component Replacement – The FY 2013 CIP contains \$97,200 for the replacement of electrical cabinet and components at stations that have not been replaced as a result of the station modifications following the July 2010 storms. This project will standardize all cabinets to ensure the safety and operational efficiency of the cabinets.

Sanitary Sewer Upgrade: Prairie (LaLonde-Grace) – The FY 2013 CIP contains \$227,600 for the upgrade of the existing sanitary sewer with a new 15 inch sewer.

Backyard Sewer Lining Program – This project is a three (3) year project focused on lining the sewers located in the rear yards in Lilac Gardens, Pinebrook and Foxworth. Each year is programmed at \$100,000.

International Village Sewer Lining – This project includes point repairs and lining of the Village owned storm sewer system located on the complex. The cost of the project is estimated at \$350,000. **The Village is exploring the ability to establish a Special Service Area to fund the improvement.**

Finley/Crescent Basin Improvements – The first draft of the FY 2013 CIP contained \$51,142 to construct a sewer to bring water to the basin from West Road. The construction of the sewer will reduce flooding on Phillips Court and Grove Street. Based upon additional staff review, the project cost has been revised to \$119,000 in FY 2013.

Maintenance Programs - The FY 2013 CIP contains \$30,000 for the Sewer Televising and Cleaning Program, \$75,000 for the Underground Structure Maintenance Program, \$20,000 for the Backyard Flooding Prevention Program, \$75,000 for the Lift Station Maintenance Program, \$50,000 for Overhead Sewer Grant Program, \$200,000 for Sewer Maintenance and Improvements Program, \$75,000 for the Sanitary Sewer Lining Program, \$50,000 for the Catch Basin Cleaning Program, \$30,000 for the Sewer Stub Lining Program and \$75,000 for the Large Sewer Flushing Program.

Right of Way Maintenance and Beautification

Right-of-Way Beautification Program – This annual program is designed to improve landscaped areas in the Village to enhance the aesthetic appeal of the Village. The program contains \$65,000 in FY 2013.

Downtown TIF Streetscape Improvements Program – This annual program is designed to improve the streetscape elements, brick pavers and other downtown features. The program contains \$25,000 annually.

Parkway Ash Tree Removal and Replacement Program – This program was added to the CIP for FY 2012b. The project is a ten year program designed to remove and replace parkway trees infested with emerald ash borer. FY 2013 contains \$69,200 for the program.

Sidewalk Improvements

Trip Hazard Replacement Program – This annual program is set up to repair and replace existing sidewalks determined to be a trip hazard pursuant to Village policies. The program is funded at \$75,000 annually.

Deteriorated Sidewalk Program – This program established under Village Board policy provides a 50% cost share to residents for the replacement of damaged/deteriorated sidewalks. The cost of the program is \$30,000 annually.

Closing Comments

I would like to commend the Public Works Department for their commitment to the capital planning process. The projects developed through the diligent effort of the Village Board, Public Works Committee and village staff shows a commitment to maintaining the Village's infrastructure at a high level. The continued focus on stormwater and drainage should prove to be a wise investment on the part of the Village, along with the approach of addressing underground utilities in conjunction with roadway reconstructs.

Staff has attached several CIP summary documents that have been used to develop the FY 2013 – FY 2022 Capital Improvement Plan. Staff will be in attendance at the December 13, 2011 Public Works Committee meeting to discuss the proposed FY 2013 – FY 2022 Capital Improvement Plan.

cc: Village President and Board of Trustees
Department Heads

Village of Lombard, Illinois
Capital Improvement Plan

FY 13 thru FY 22

FUNDING SOURCE SUMMARY

Source	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
Capital Projects Fund	8,367,150	3,758,600	5,308,750	5,764,200	6,769,100	5,256,900	6,866,600	5,845,700	8,058,000	4,907,400	60,902,400
Hotel/Motel Tax	50,000	50,000	52,500	52,500	52,500	52,500	55,000	55,000	55,000	55,000	530,000
Local Agency Pavement Preservation Program					879,200						879,200
Motor Fuel Tax	790,000	1,745,300	1,503,800	923,800	1,382,200	861,000	902,000	902,000			9,010,100
Other(DuPage County, State of Illinois & ICC)	2,320,000	2,900,000		155,500		1,299,000					6,674,500
Resident Contribution	15,000	15,000	15,750	15,750	15,750	15,750	629,200	214,500	691,900	16,500	1,645,100
TIF- DOWNTOWN	40,000	40,000	40,750	40,750	40,750	158,850	41,500	41,500	41,500	41,500	527,100
Water/Sewer Capital Reserve	6,621,750	9,431,200	14,192,750	9,509,950	11,795,600	5,440,100	1,010,300	1,911,300	3,441,600	1,958,200	65,312,750
GRAND TOTAL	18,203,900	17,940,100	21,114,300	16,462,450	20,935,100	13,084,100	9,504,600	8,970,000	12,288,000	6,978,600	145,481,150

Village of Lombard, Illinois
Capital Improvement Plan

FY 13 thru FY 22

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
Fire											
Fire Station #2 Outdoor Storage Facility					30,000						30,000
Fire Station #1 Cascade SCBA Compressor				40,000							40,000
Roof Replacement - Fire Station #1	45,000										45,000
Fire Total	45,000			40,000	30,000						115,000
Capital Projects Fund											
<i>Other(DuPage County, State of</i>											
	45,000			40,000	30,000						75,000
											40,000
Fire Total	45,000			40,000	30,000						115,000
Police											
Garage Expansion						400,000					400,000
Replace Range System (Bullet Trap System)			150,000								150,000
Police Total			150,000			400,000					550,000
Capital Projects Fund											
			150,000			400,000					550,000
Police Total			150,000			400,000					550,000
Public Works											

Department	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
Clear Water Disconnect Grant Program	0117	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Water Meter Replacement	0308			2,500,000	2,500,000						5,000,000
Traffic Signal & Intersection (Madison & Route 53)	0711	240,000	3,225,800								3,465,800
Great Western Trail Lighting	0915				26,000	1,423,000					1,449,000
Route 53 Stormwater Pump Station	1026	1,903,600	3,759,200								5,662,800
Route 53 Underground Improvements	1102	2,064,900									2,064,900
Hill Avenue Bridge	1108	2,750,000									2,750,000
Lift Station, Rebuild - Fairview	1133	84,100	1,131,600								1,215,700
Terrace View Pond Pump Station/Pond Modification	1202	17,100	453,800								470,900
Terrace View Pond - Storm Sewer Improvements	1202a	250,000	184,200								434,200
Finley Road (Wilson Avenue to Glen Oak Road)	1206	2,550,400									2,550,400
Crack Sealing	5501	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	1,400,000
Surface Treatment	5502	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	700,000
Parkway Restoration	5503	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	1,400,000
Trip Hazard Replacement Program	5506	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
General Concrete Street Rehabilitation Program	5507	820,000	820,000	861,000	861,000	861,000	902,000	902,000	902,000	902,000	8,692,000
Concrete Utility Patching	5508	100,000	100,000	105,000	105,000	105,000	110,000	110,000	110,000	110,000	1,060,000
Asphalt Utility Patching	5509	125,000	125,000	131,250	131,250	131,250	137,500	137,500	137,500	137,500	1,325,000
Sewer Televising & Cleaning	5510	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	300,000
Underground Structure Maintenance	5512	75,000	75,000	78,800	78,800	78,800	82,500	82,500	82,500	82,500	795,200
General Facility Maintenance	5513	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
General Local Street Resurfacing Plan	5514	539,500	539,500	567,400	567,400	567,400	584,300	584,300	584,300	584,300	5,685,800
Local Street Resurfacing Plan with Village Crews	5515	327,000	327,000	343,900	343,900	343,900	354,200	354,200	354,200	354,200	3,446,400
Watermain Maintenance & Improvement	5516	150,000	150,000	157,500	157,500	157,500	165,000	165,000	165,000	165,000	1,590,000
Backyard Flooding Prevention Program	5517	20,000	20,000	21,000	21,000	21,000	22,000	22,000	22,000	22,000	212,000
Lift Station Maintenance	5518	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Overhead Sewer Grant Program	5519	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Sewer Maintenance and Improvements	5520	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Right-of-Way Beautification Program	5521	65,000	65,000	68,250	68,250	68,250	71,500	71,500	71,500	71,500	689,000
Deteriorated Sidewalk Program	5538	30,000	30,000	31,500	31,500	31,500	33,000	33,000	33,000	33,000	318,000

Department	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
Roosevelt Road Watermain Replacement Phase III		91,800	1,097,900								1,189,700
Route 53 (Roosevelt to St. Charles)				100,000							100,000
Route 53 (St. Charles to North Avenue)	363,000										363,000
Civic Center Reservoir Facility - Generator	225,000										225,000
Finley Road Sewer Lining		500,000									500,000
Public Works Facility Accessibility Upgrades	100,000										100,000
Circle Avenue		136,100	1,559,100								1,695,200
Lombard Meadows 1: Chase Lane & Court	164,500	1,958,900									2,123,400
Lombard Meadows 2: Lodge Lane & Lilac Way		240,500	2,865,200								3,105,700
Lombard Meadows 3: Magnolia Circle			140,000	1,666,900							1,806,900
Lombard Meadows 4: Hawthorne Cir & Cherry Lane			264,200		3,146,800						3,411,000
Traffic Signal & Intersection (22nd & Fairfield)						53,600	531,100				584,700
Melody Lane Phase 1			310,200								3,440,400
Melody Lane Phase 2			382,800		3,863,200						4,246,000
Melody Lane Phase 3					323,800	3,267,400					3,591,200
St. Charles Rd. Watermain (East of Westmore Ave.)			127,900	1,291,300							1,419,200
Lilac Bikeway Improvements				115,500							115,500
Transmission Main (Civic Center to South Booster)				549,200	5,541,700						6,090,900
Finley/Crescent Basin Improvements	119,000				328,500	3,314,800					119,000
Central Station Reservoir Improvement											3,643,300
Lilac Gardens Phase 1							181,400	2,241,200			2,422,600
Lilac Gardens Phase 2								267,800	2,824,200		3,092,000
Lilac Gardens Phase 3									253,800	2,560,600	2,814,400
SA220 15th Street (Main Street to Highland Avenue)							129,600	1,505,800			1,635,400
SA221 (Charles Lane, Hickory, Vance & Willow St)								546,900	4,783,100		5,330,000
SA222 Ahrens, School & Morris						368,300	4,273,400				4,641,700
Carriage House Addition	120,000	60,000									180,000
Public Works Total	18,158,900	17,843,100	20,964,300	16,422,450	20,905,100	12,684,100	9,504,600	8,970,000	12,288,000	12,288,000	144,719,150

Department	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
<i>Capital Projects Fund</i>	8,322,150	3,661,600	5,158,750	5,764,200	6,739,100	4,856,900	6,866,600	5,845,700	8,058,000	4,907,400	60,180,400
<i>Hotel/Motel Tax</i>	50,000	50,000	52,500	52,500	52,500	52,500	55,000	55,000	55,000	55,000	530,000
<i>Local Agency Pavement Preserv</i>					879,200						879,200
<i>Motor Fuel Tax</i>	790,000	1,745,300	1,503,800	923,800	1,382,200	861,000	902,000	902,000			9,010,100
<i>Other(DuPage County, State of</i>	2,320,000	2,900,000		115,500	1,299,000						6,634,500
<i>Resident Contribution</i>	15,000	15,000	15,750	15,750	15,750	15,750	629,200	214,500	691,900	16,500	1,645,100
<i>TIF- Downtown</i>	40,000	40,000	40,750	40,750	40,750	158,850	41,500	41,500	41,500	41,500	527,100
<i>Water/Sewer Capital Reserve</i>	6,621,750	9,431,200	14,192,750	9,509,950	11,795,600	5,440,100	1,010,300	1,911,300	3,441,600	1,958,200	65,312,750
Public Works Total	18,158,900	17,843,100	20,964,300	16,422,450	20,905,100	12,684,100	9,504,600	8,970,000	12,288,000	6,978,600	144,719,150

Village Hall	
Security Card Access System	27,000
Re-carpet Upper Level	35,000
Re-carpet Lower Level	35,000
Village Hall Total	97,000

<i>Capital Projects Fund</i>	97,000
<i>Village Hall Total</i>	97,000
<i>Village Hall Total</i>	97,000

Grand Total	18,203,900	17,940,100	21,114,300	16,462,450	20,935,100	13,084,100	9,504,600	8,970,000	12,288,000	6,978,600	145,481,150
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