



Village of Mundelein Capital Improvement Program

FYE 2013



FINANCE MEMORANDUM

Kenneth H. Kessler, Mayor

Doug Haywood, Finance Director

To: Mayor and Board of Trustees
From: John A. Lobaito, Village Administrator
Douglas M. Haywood, Finance Director
Date: May 1, 2012
Re: FYE 2013 Capital Improvement Plan (CIP)

The Village has more than \$190,000,000 in fixed assets valued on the cost basis. The Replacement cost for our assets is considerably higher. Buildings, infrastructure, technology, and major equipment are the physical foundation for providing services to our citizens and businesses. The procurement, construction, and maintenance of capital assets are a critical activity and therefore require careful planning.

Capital planning is critical to water, sewer, transportation, and other essential public services. It is also an important component of Mundelein's economic development activities in the Downtown. The CIP should be a multi-year capital plan, which clearly identifies capital, and major equipment needs, maintenance requirements, and funding options. The CIP provides you, the policy makers, with a broad perspective to assist in shaping the future of the community.

Process

We took the prior year CIP and updated it. Using all the resources of the various departments, we have identified present and future service needs that require capital infrastructure or equipment. Staff has incorporated infrastructure improvements needed to support development and redevelopment; assets requiring repair and/or replacement; regulatory mandates; changing community needs; and limitations on funding.

Once the projects were identified, cost projections were developed including definitions of the specific scope and proposed timing of each project. Component costs to accomplish each project were estimated including land acquisition needs, design, construction, and inspection costs.

Staff has performed initial prioritization of projects during the development of the CIP. Knowing Mundelein is continually faced with extensive and diverse capital needs and limited financial resources, it is critical that the prioritization reflect the financial and policy goals of the Village. When developing the CIP, Staff has attempted to implement the Board stated goals and adhere to legal and regulatory requirements.

There are many projects identified in the plan. The Projects have been organized by category as identified on the summary page. The following are the highlights for the projects contemplated:

<u>Project Category</u>	<u>5-Year Planned</u>	<u>Unknown Timing</u>	<u>Funded</u>	<u>Unfunded</u>
Street Improvements	10,680,000	0	5,330,000	5,350,000
Transportation Related	5,408,000	0	5,408,000	0
Storm Water Management	4,530,000	0	2,370,000	2,160,000
TIF Improvements	16,942,656	8,797,410	14,720,292	11,019,774
Water System Improvements	4,295,000	0	3,577,500	717,500
Sewer System Improvements	3,568,000	0	1,836,000	1,732,000
Operational Long term Acquisitions	10,370,321	20,588,079	6,992,916	23,965,484
Vehicle & Equipment Replacement	6,665,758	34,000	3,505,000	3,194,758
Total	62,459,735	29,419,489	43,739,708	48,139,516

Each category has a Tab in the booklet. Within each tab you will find a Summary and individual Project Description pages. The Summary shows the amounts planned along with their funding level. The sheet includes a timeline, which shows the fiscal years in which the project is currently contemplated. The Project Descriptions identify the project name, a detailed description of the project, the components of the project and their estimated costs as well as notes on funding and known funding availability.

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Street Improvements

Design, inspection and construction of existing street infrastructure.

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**Capital Improvement Plan
Street Projects
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A FYE12 Street Improvements (Carryover)	0	0	0	0	0	0	0	0	0
B FYE13 Street Improvements	900,000	0	0	0	0	0	900,000	900,000	0
C FYE14 Street Improvements	100,000	1,100,000	0	0	0	0	1,200,000	1,200,000	0
D FYE15 Street Improvements	0	100,000	1,250,000	0	0	0	1,350,000	1,350,000	0
E FYE16 Street Improvements	0	0	100,000	1,250,000	0	0	1,350,000	100,000	1,250,000
F FYE17 Street Improvements	0	0	0	100,000	1,250,000	0	1,350,000	0	1,350,000
G Hawley St. Reconstruction (Midlothian-Lake)	135,000	775,000	415,000	0	0	0	1,325,000	1,325,000	0
H Hawley Street Reconstruction (Lake St.-Rt. 176)	0	0	0	250,000	2,500,000	0	2,750,000	0	2,750,000
I East Crystal Street Rehabilitation	0	455,000	0	0	0	0	455,000	455,000	0
	<u>1,135,000</u>	<u>2,430,000</u>	<u>1,765,000</u>	<u>1,600,000</u>	<u>3,750,000</u>	<u>0</u>	<u>10,680,000</u>	<u>5,330,000</u>	<u>5,350,000</u>

Transportation Related

Additions to the transportation system including pedestrian walkways, intersection improvements, bike paths and new roadways.

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**Capital Improvement Plan
Transportation Projects
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Mundelein Town Center Road Improvements	5,000,000	0	0	0	0	0	5,000,000	5,000,000	0
B Lake St. Streetscape Phase II (Carryover)	108,000	0	0	0	0	0	108,000	108,000	0
C Route 45 Sidewalk--CMAQ (Carryover)	140,000	0	0	0	0	0	140,000	140,000	0
D Safe Routes to School--Project #2 (Carryover)	0	0	0	0	0	0	0	0	0
E Safe Routes to School--Project #3 (Carryover)	25,000	0	0	0	0	0	25,000	25,000	0
F Allanson/Butterfield Rd. Bike Path	0	35,000	0	0	0	0	35,000	35,000	0
G CN Improvement--Emergency Response	50,000	0	0	0	0	0	50,000	50,000	0
H Quiet Zone Improvements--Air Horn Removal	50,000	0	0	0	0	0	50,000	50,000	0
	5,373,000	35,000	0	0	0	0	5,408,000	5,408,000	0

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Storm Water Management

Consulting, design, inspection, construction of storm water facilities and repairs/maintenance to existing facilities.

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**Capital Improvement Plan
Stormwater Projects
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A NPDES MS4 Permit Compliance	20,000	20,000	20,000	20,000	20,000	0	100,000	60,000	40,000
B Seavey Drainageway Improvements	0	75,000	1,500,000	500,000	500,000	0	2,575,000	1,575,000	1,000,000
C FYE12 Street Improvements--Stormwater (Carryover)	0	0	0	0	0	0	0	0	0
D FYE13 Street Improvements--Stormwater	75,000	0	0	0	0	0	75,000	75,000	0
E FYE14 Street Improvements--Stormwater	25,000	275,000	0	0	0	0	300,000	300,000	0
F FYE15 Street Improvements--Stormwater	0	30,000	300,000	0	0	0	330,000	330,000	0
G FYE16 Street Improvements--Stormwater	0	0	30,000	350,000	0	0	380,000	30,000	350,000
H FYE17 Street Improvements--Stormwater	0	0	0	35,000	350,000	0	385,000	0	385,000
I Hawley St. Reconstruction (Lake-Rt. 176)	0	0	0	35,000	350,000	0	385,000	0	385,000
	<u>120,000</u>	<u>400,000</u>	<u>1,850,000</u>	<u>940,000</u>	<u>1,220,000</u>	<u>0</u>	<u>4,530,000</u>	<u>2,370,000</u>	<u>2,160,000</u>

TIF Improvements

Consulting, design, inspection, and construction of projects in the Downtown Tax Increment Financing District

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**Capital Improvement Plan
TIF District Projects
Summary**

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	Village Hall	3,552,000	7,880,000	0	0	0	0	11,432,000	11,432,000	0
B	Phase I Infrastructure	2,136,683	0	0	0	0	0	2,136,683	2,136,683	0
C	Phase II Infrastruture	0	0	633,261	0	0	0	633,261	60,159	573,102
D	Downtown Redevelopment	0	0	0	0	0	0	0	0	0
E	2010A Taxable GO Bond Debt Servic	363,225	363,225	673,225	668,925	672,112	8,797,410	11,538,122	1,091,450	10,446,672
F		0	0	0	0	0	0	0	0	0
G		0	0	0	0	0	0	0	0	0
		6,051,908	8,243,225	1,306,486	668,925	672,112	8,797,410	25,740,066	14,720,292	11,019,774

Project Name: **Village Hall**

Full Project Description

Construction of a New Village Hall of approximately 35,000 sq ft. Leasing 15,000 sq ft to third party.

Allocation:

Task Component	SqFt	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Site Preparation	34,800	22.99	800,000					800,000
Core and Shell		180.00	2,088,000	4,176,000				6,264,000
Tenant Improvements		65.00		2,262,000				2,262,000
Soft Costs		20.00	464,000	232,000				696,000
Independent Building Consultant			50,000	10,000				60,000
Furnishing/Equipment				1,200,000				1,200,000
Debt Costs of Issuance			150,000					150,000
								0
								0
								0
								0
								0
Total Project Allocation			3,552,000	7,880,000	0	0	0	11,432,000

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Capital Development	3,552,000						3,552,000
Bond Issue		7,880,000					7,880,000
							0
							0
							0
							0
							0
							0
Total Funding	3,552,000	7,880,000	0	0	0	0	11,432,000

Project Name: **Phase I Infrastructure**

Full Project Description

Includes Mass Grading of the entire Sigma Site plus Design for all Infrastructure, but construction of only Chicago Avenue, Hammond Watermain, Loop Road, and Archer connection to Loop Road in initial phase. Soft Costs includes Engineering, material testing, Bonds, Contingent, Overhead/Profit and General Construction labor & support

Allocation:

Task Component	Beginning	Ending	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Mass Grading			227,540						227,540
Soft Costs	12-May	12-Dec							0
Water Improvements			101,430						101,430
Sewer Improvements			49,059						49,059
Street & Storm Improvements			709,949						709,949
Construction	13-Jan	13-Jul							0
Water Improvements			136,444						136,444
Sewer Improvements			65,980						65,980
Street & Storm Improvements			846,281						846,281
Total Project Allocation			2,136,683	0	0	0	0	0	2,136,683

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Transportation	1,166,751						1,166,751
Corporate	617,019						617,019
Sewer Addition/Expansion	115,039						115,039
Water Addition/Expansion	237,874						237,874
Total Funding	2,136,683	0	0	0	0	0	2,136,683

Project Name: **Phase II Infrastructure**

Full Project Description

Includes Hammond extensions, Archer Avenue,

Allocation:

<u>Task Component</u>	<u>Beginning</u>	<u>Ending</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
Soft Costs									0
Water Improvements									0
Sewer Improvements					6,968				6,968
Street & Storm Improvements					202,773				202,773
									0
									0
Construction	13-Jul	14-May							0
Water Improvements									0
Sewer Improvements					53,191				53,191
Street & Storm Improvements					370,329				370,329
									0
									0
Total Project Allocation			0	0	633,261	0	0	0	633,261

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
							0
Sewer Addition/Expansion			60,159			573,102	573,102
							60,159
							0
							0
							0
							0
							0
							0
Total Funding	0	0	60,159	0	0	573,102	633,261

Water System Improvements

Consulting, design, inspection, and construction of new water facilities and repair/replacement of existing facilities.

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**Capital Improvement Plan
Waterworks Projects
Summary**

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	W. Hawley St. PRV and Watermain Replacement	985,000	0	0	0	0	0	985,000	985,000	0
B	Hawley St. Reconstruction (Midlothian-Lake)--Watermain	15,000	895,000	0	0	0	0	910,000	910,000	0
C	Winchester-Midlothian Transite Watermain	360,000	0	0	0	0	0	360,000	360,000	0
D	Route 60 Watermain Replacement	0	65,000	900,000	0	0	0	965,000	965,000	0
E	FYE16 Street Improvements--Watermain	0	0	30,000	250,000	0	0	280,000	280,000	0
F	FYE17 Street Improvements--Watermain	0	0	0	25,000	250,000	0	275,000	27,500	247,500
G	Clearbrook Park/Winthrop Ct. Watermain	0	0	50,000	470,000	0	0	520,000	50,000	470,000
		1,360,000	960,000	980,000	745,000	250,000	0	4,295,000	3,577,500	717,500

Wastewater Improvements

Consulting, design, inspection and construction of new sanitary facilities and the repair/replacement of existing facilities.

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**Capital Improvement Plan
Wastewater Projects
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Hawley St. Reconstruction (Midlothian-Lake)	10,000	525,000	0	0	0	0	535,000	535,000	0
B Clearbrook/Winthrop/Walnut Sanitary Sewer	0	0	60,000	550,000	0	0	610,000	60,000	550,000
C Sanitary Sewer Main Lining	202,000	202,000	202,000	0	202,000	0	808,000	606,000	202,000
D SCADA System Upgrades--Lift Stations	200,000	0	0	0	0	0	200,000	200,000	0
E Replace/Upgrade Lift Stations #5 and #6	0	0	80,000	0	630,000	0	710,000	80,000	630,000
F Capacity Management Plan (CMOM)	0	75,000	75,000	0	0	0	150,000	75,000	75,000
G FYE16 Street Improvements--Wastewater	0	0	30,000	250,000	0	0	280,000	280,000	0
H FYE17 Street Improvements--Wastewater	0	0	0	25,000	250,000	0	275,000	0	275,000
	412,000	802,000	447,000	825,000	1,082,000	0	3,568,000	1,836,000	1,732,000

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Operational Improvements

Long term operational needs outside the normal day to day operations including large equipment replacements.

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Capital Improvement Plan
 Operating Administration
 Summary

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	Information Technology Related	0	108,500	216,000	0	0	0	324,500	336,500	0
B	New Sign Ordinance	35,000	0	0	0	0	0	35,000	35,000	0
C		0	0	0	0	0	0	0	0	0
D		0	0	0	0	0	0	0	0	0
E		0	0	0	0	0	0	0	0	0
F		0	0	0	0	0	0	0	0	0
G		0	0	0	0	0	0	0	0	0
H		0	0	0	0	0	0	0	0	0
I		0	0	0	0	0	0	0	0	0
J		0	0	0	0	0	0	0	0	0
K		0	0	0	0	0	0	0	0	0
L		0	0	0	0	0	0	0	0	0
M		0	0	0	0	0	0	0	0	0
N		0	0	0	0	0	0	0	0	0
O		0	0	0	0	0	0	0	0	0
P		0	0	0	0	0	0	0	0	0
		35,000	108,500	216,000	0	0	0	359,500	371,500	0

Project Name:		Information Technology Related						
Full Project Description								
Allocation:								
Task Component		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Three Year Total
								0
Power Vault Servers	1,1		6,000	6,000				12,000
Servers	2		35,000					35,000
SAN Server	1			15,000				15,000
Computers	3		1,500					1,500
UPS Village Hall	1		6,000					6,000
Papervision			30,000					30,000
GPS/GIS Collection			15,000					15,000
Opteman WAN Communications			15,000	15,000				30,000
Backup system				5,000				5,000
Fiber connection between Police and Village Hall				175,000				175,000
								0
								0
Total Project Allocation		0	108,500	216,000	0	0	0	324,500
Funding Eligibility:								
		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Three Year Total
								0
Corporate			35,000					35,000
FYE 13 in OM			85,500	216,000				301,500
								0
								0
								0
								0
								0
								0
								0
Total Funding		0	120,500	216,000	0	0	0	336,500

**Capital Improvement Plan
Building Department
Summary**

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
B	Cityview Web Portal	0	25,000	0	0	0	0	25,000	25,000	0
C	Del Webb (Grand Dominion) Inspections	42,000	45,000	30,000	0	0	0	117,000	117,000	0
D	Document Scanning	0	5,000	0	0	0	0	5,000	5,000	0
E		0	0	0	0	0	0	0	0	0
F		0	0	0	0	0	0	0	0	0
		42,000	75,000	30,000	0	0	0	147,000	147,000	0

Capital Improvement Plan
 Operating Finance Department
 Summary

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	Financial Account Software	0	500,000	0	0	0	0	500,000	500,000	0
B	General Obligation Bond Abatement	210,000	210,000	210,000	210,000	210,000	0	1,050,000	630,000	420,000
C		0	0	0	0	0	0	0	0	0
D		0	0	0	0	0	0	0	0	0
E		0	0	0	0	0	0	0	0	0
F		0	0	0	0	0	0	0	0	0
G		0	0	0	0	0	0	0	0	0
H		0	0	0	0	0	0	0	0	0
I		0	0	0	0	0	0	0	0	0
J		0	0	0	0	0	0	0	0	0
K		0	0	0	0	0	0	0	0	0
L		0	0	0	0	0	0	0	0	0
M		0	0	0	0	0	0	0	0	0
N		0	0	0	0	0	0	0	0	0
O		0	0	0	0	0	0	0	0	0
P		0	0	0	0	0	0	0	0	0
		210,000	710,000	210,000	210,000	210,000	0	1,550,000	1,130,000	420,000

**Capital Improvement Plan
Operating Fire Department
Summary**

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	General Capital	35,500	49,500	12,500	37,500	52,500	25,000	212,500	70,500	142,000
B	CAD Computer Equipment for Vehicles	9,600	0	0	0	0	0	9,600	9,600	0
C	EMS Equipment	51,330	21,200	0	0	0	74,000	146,530	65,030	81,500
D	Computer Equipment	4,000	4,000	0	0	0	9,000	17,000	5,000	12,000
E	Fire Station - New	0	0	0	0	0	19,380,663	19,380,663	0	19,380,663
F	Phone System Upgrade	38,402	0	0	0	0	0	38,402	38,402	0
G	Communication Equipment	6,600	11,700	0	0	0	0	18,300	18,300	0
H	Emergency Operation Center Improvements	24,000	0	0	0	0	0	24,000	16,000	8,000
I	Fire Station Alerting Systems	20,800	17,500	0	0	0	0	38,300	17,500	20,800
J	Fire Equipment for Apparatus	76,164	56,879	50,676	44,285	360,544	179,916	768,464	174,719	593,745
K	Long Term Facility Maintenance	0	0	0	0	0	514,500	514,500	0	514,500
L		0	0	0	0	0	0	0	0	0
M		0	0	0	0	0	0	0	0	0
N		0	0	0	0	0	0	0	0	0
O		0	0	0	0	0	0	0	0	0
P		0	0	0	0	0	0	0	0	0
		266,396	160,779	63,176	81,785	413,044	20,183,079	21,168,259	415,051	20,753,208

Project Name: **General Capital**

Full Project Description

See A1 Page for descriptions

Allocation:

Task Component	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Appliances (Stove, Washer, Dryer, Refrig)	2,500	2,500	2,500	2,500	2,500		12,500
Traffic Control System Station #1	27,000						27,000
Add Storage Facility Station #2		33,000					33,000
Replace Parking Lot					50,000		50,000
Sealcoating Parking Lots Station #1	6,000						6,000
Sealcoating Parking Lots Station #2		4,000					4,000
Training Room Furniture Station #1		10,000	10,000				20,000
Recarpeting Station #1				35,000			35,000
Recarpeting Station #2						25,000	25,000
Total Project Allocation	35,500	49,500	12,500	37,500	52,500	25,000	212,500

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Corporate	8,500	49,500	12,500	0	0	142,000	212,500
Total Funding	8,500	49,500	12,500	0	0	142,000	212,500

Project Name: General Capital Improvements

Full Project Description

Traffic System	Upgrade of the traffic alerting signals for emergency responses from Fire Station #1. The current system is from when the station was built and the newer technology in LED lighting has proven to be extremely effective and part of our commitment to safety at Fire Station #2 and various crosswalks throughout the Village. In order to prevent accidents and to minimize injuries we recommend purchase/upgrade of the current system to the LED technology.
Storage Facility	Installation of a storage facility/garage behind Fire Station #2. Without having a formal training site, we have been building numerous props and support training tools for our required training programs to support not only our personnel, but our ISO rating in the Village. We are quickly running out of space for these items and can use a garage (Danley prefab type) for this purpose. The Chief has done this before in my previous department and this was a very cost effective, practical approach to this type of storage need. As time goes on we want to develop more props and will continue to try to preserve them as much as possible for the future. Our department has done a fantastic job in building these on our own with very little budget support.
Parking Lot	The driveway at Station #1 is beginning to show signs of weakness and we are just indicating a line item for the future for possible replacement of the driveway. This facility has probably one of the highest traffic levels based on its use and has not been sealcoated for going on 3-years and that is questionable for the near future. We're trying to project as best as possible the potential for replacement or large repairs to the lot for safety reasons.
Sealcoating	Sealcoating of the parking lot at both stations was an annual maintenance item and will be going on its third year of no funding. This has caused decay of the pavement and in the case of Station #1, identifiable parking spots are becoming a problem due to striping also not being redone in coordination with the sealcoating process.
Furniture	Projecting the replacement of training tables and chairs. Again, all of this furniture has high volume use and we're not funding any repairs of broken items as they are reaching their useful life. We haul these items back and forth to the apparatus floor for special events and other activities. Many outside agencies are using our facilities and the wear and tear is becoming evident on fixtures. We are budgeting this over two-fiscal periods to manage this replacement need.
Recarpeting	We are projecting a price for the potential carpet replacement at Fire Station #1, again similar to the parking lot issue due to high volume use. We're beginning to see evidence of seams showing and we haven't been able to clean the carpet for going on 3-years. We feel this will shorten the useful life of the carpeting and in FYE15, the carpeting will be over 15 years old, which is around the use life for commercial, high volume areas.

Project Name:

CAD Computer Equipment for Vehicles

Full Project Description

FYE 2012 - The proposal is to purchase (4) computers for mobile data terminals in fire and EMS apparatus to provide the necessary communication with the CAD system at dispatch. This controls our dispatch information, mapping and direct communications other than radio with our dispatch center. The subsequent years the purchases are based on the potential loss of one unit per year due to damage and the normal rotation of equipment based on technology advancements and system support. These units are critical to our operations providing key dispatch information for field units and require regular funding.

Allocation:

<u>Task Component</u>	<u>Fire#</u>	<u>Veh#</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
Fire Vehicle Mobil Data Terminals									0
Pumper	E333	311							0
Pumper	E2	312							0
Pumper	E432	321							0
Fire Ladder	E431	333							0
Ambulance	E431	341							0
Ambulance	E432	342							0
Ambulance	E434	345							0
Ambulance	E433	347							0
Squad/Pumper	E431	351							0
Sedan	4300	390	2,400						2,400
4x4 Pickup	U432	391							0
Sedan	4301	392	2,400						2,400
4x4 Utility	Bat43	393							0
Sedan	4302	394	2,400						2,400
4x4 Pickup Crew	U431	395							0
Quint	Q432	334	2,400						2,400
Air Cards CAD	3203-7310	9,360							0
Total Project Allocation			9,600	0	0	0	0	0	9,600

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate	9,600						9,600
							0
							0
							0
Total Funding	9,600	0	0	0	0	0	9,600

Project Name: EMS Equipment

Full Project Description

See C1 Page for descriptions

Allocation:

<u>Task Component</u>	<u>Veh#</u>	<u>Fire#</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
ALS Equipment									0
Pierce Pumper	321	E432	6,000						6,000
Pierce Pumper		E433	6,000						6,000
Pierce Ladder	333	T431		6,200					6,200
Ford Ambulance	347	A433	12,500						12,500
Ford Ambulance	345	A434		13,500					13,500
AED									0
Pierce Pumper	321	E432	1,500						1,500
Pierce Pumper		E433	1,500						1,500
Pierce Ladder	333	T431		1,500					1,500
DC Sedan	392	4301	1,500						1,500
DC Sedan	394	4302	1,500						1,500
									0
									0
									0
EPCR Tablet Computers	3,400 ea	6	20,400						20,400
NFIRS Inerface			430						430
									0
Cardiac Monitors								74,000	74,000
									0
									0
									0
Total Project Allocation			51,330	21,200	0	0	0	74,000	146,530

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate	43,830	21,200				81,500	146,530
							0
							0
Total Funding	43,830	21,200	0	0	0	81,500	146,530

Project Name:

Fire EMS Equipment

Full Project Description

- ALS** Purchase of Advanced Life Support equipment for two fire apparatus. Currently we outfitted E431 and Q432 with ALS equipment so that we have the capability of providing patient care for second calls when an ambulance is already committed to transporting to the hospital and not available. This is a common practice in the suburban setting to provide this level of care since all of our personnel are trained to the level of EMT or Paramedic. The plan is to provide this same level of equipment for E432 and E433. We have requested this funding for 3 consecutive years - priority is high.
- AED** Purchase of AED units for the (2) fire chiefs vehicles. We carry basic bandaging and support features in our vehicles now for EMS calls, but can't handle a cardiac arrest outside of performing CPR. From a level of care and standard of service it is recommended to purchase a basic AED unit for each vehicle, again, common to our industry.
- EPCR** Purchase of tablet computers and software along with licensing for field based electronic patient reports to link with the new national medical standards on Electronic Medical Reporting and HIPPA. This will be required by Advocate Condell in FYE13 as a starting point. This will be mandatory and must be funded. This is the EPCR (Electronic Patient Care Reporting) and will more than likely be affiliated with Imagetrend as a vendor.

Project Name: **Computer Equipment**

Full Project Description

Purchase replacement LCD projector for the Station #2 Training room.

Planned replacement of the TV monitors for training in the training rooms in anticipation of life expectancy due to age and use.

Video training is a key component to our operations and training. Making sure we have the proper equipment including our support of outside programs.

Allocation:

			<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
LCD Projector Replacement	Station #1	Training Room A						4,000	4,000
	Station #1	Training Room B						5,000	5,000
	Station #2		1,000						1,000
0									
Television Replacement	Station #1	Training Room A		3,000					3,000
	Station #1	Training Room B	3,000						3,000
	Station #1	Training Room C		1,000					1,000
0									
0									
0									
0									
0									
0									
Total Project Allocation			<u>4,000</u>	<u>4,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>9,000</u>	<u>17,000</u>

Funding Eligibility:

			<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate			1,000	4,000				12,000	17,000
0									
0									
0									
Total Funding			<u>1,000</u>	<u>4,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>12,000</u>	<u>17,000</u>

Project Name: Fire Station - New

Full Project Description

Land acquisition, design, construction, furnishing, equipment and staffing for a new fire station on the west side of Mundelein. The project is a 12,000 ft² building in the general design of our current Station #2. It also assumes a low of \$289 ft² and a high of \$299 ft² for construction. Land pricing is based on communications with Lake County and the parcel that the current dog kennel is situated on. They will be vacating that land, which is 5.0 acres. Projecting only that portion of the land necessary for a fire station at this time, but the Village may have interest in the balance. Project also assumes a cost of \$100,000 - \$125,000 per acre of land and the purchase of a minimum of a 3 acre parcel for the building.

It also is calculated based on full staffing by the Mundelein Fire Department. Assumes the hiring of personnel in phased in prior to the opening of the station for training, orientation and operational preparation. We are projecting a cost of \$105,000 per person including all benefits and equipment. Requires three promotions for supervisory staffing. Total projected costs for (15) personnel including promotions as a high number is provided. Projected costs for promotion would be approximately \$6,800 per employee for a total of \$ 20,400.

Project assumes no purchase of fire apparatus, but redistribution of current assets. The current distribution of ambulances would cover EMS and no new purchase is required. Project assumes some rescue equipment for the fire apparatus moved into the new facility at \$50,000.

	<u>High Est</u>	<u>Low Est</u>	<u>FYE12</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
Legal								37,540	37,540
Land Acquisition 3 acres								401,250	401,250
Cost of Construction	3,839,160	3,710,760						3,839,160	3,839,160
Green Options	450,333	435,271						450,333	450,333
Furnishing, Contingencies	1,458,880	1,410,088						14,598,880	14,598,880
Staffing		1,671,078							0
Additional Equipment									0
Hurst Tool and Extraction								53,500	53,500
									0
									0
Total Project Allocation			0	0	0	0	0	19,380,663	19,380,663

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
						19,380,663	19,380,663
							0
							0
Total Funding	0	0	0	0	0	19,380,663	19,380,663

Project Name: Phone System Upgrade

Full Project Description

The proposed project is the complete upgrade of the phone systems at Fire Stations #1 and #2. The current phone system from Norstar is over 15 years old and currently support both on the equipment side and software side and hardware side are becoming more difficult to support. Equipment is difficult to find and technical support is becoming more difficult. IT recommended this system replacement for the last three years and the project was put on hold. It is being proposed for FYE11. This phone system was upgraded and expanded to meet the needs of the new stations back in 1999, but the technology is out of date and not supported.

Allocation:

Task Component		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
								0
								0
Equipment Hardware	Station #1	4,856						4,856
Phone equipment		10,830						10,830
System Support for 1 - Year		1,190						1,190
Software		2,500						2,500
Design, configuration, implementation		3,200						3,200
								0
Equipment Hardware	Station #2	3,650						3,650
Phone equipment		5,531						5,531
System Support for 1 - Year		945						945
Software		2,500						2,500
Design, configuration, implementation		3,200						3,200
Total Project Allocation		38,402	0	0	0	0	0	38,402

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Corporate	38,402						38,402
							0
							0
							0
							0
Total Funding	38,402	0	0	0	0	0	38,402

Project Name: **Communication Equipment**

Full Project Description

Purchase of pagers for personnel to me Narrowbanding requirements.

<u>Task Component</u>	<u>Price</u>	<u>#</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
									0
									0
									0
									0
Replacement Pages	\$450	8	3,600						3,600
	\$450	8		3,600					3,600
									0
Headset/Intercom System				5,100					5,100
									0
Base Station Programing	Stn#1		3,000						3,000
	Stn#2			3,000					3,000
									0
									0
Total Project Allocation			<u>6,600</u>	<u>11,700</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>18,300</u>

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate	6,600	11,700					18,300
							0
							0
Total Funding	<u>6,600</u>	<u>11,700</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>18,300</u>

Project Name: **Emergency Operation Center Improvements**

Full Project Description

The desire is to improve the overall operations of the Emergency Operations Center in the event of a catastrophic event in Mundelein of any type. The current EOC structure is underdeveloped and needs to be upgraded with proper radio equipment, back up internet interfaces, redundant phone and communication equipment, software, mapping tools and NIMS compliant features. The funding is very general at this time and more work needs to be done to detail this project. Given the additional influence of the CN rail merger, it is imperative that this been done as soon as fiscally possible. Currently we do not have a functional EOC in any capacity.

Allocation:

<u>Task Component</u>	<u>Infrastructure Component</u>	<u>Timing</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
EOC Improvements									0
Phone System Support (Landlines)			5,000						5,000
Phone System support (Cellular)			3,000						3,000
Planning Tools and equipment for damage assessment			1,000						1,000
Video Link			8,000						8,000
Computers			3,000						3,000
Stand Alone Line			4,000						4,000
									0
Total Project Allocation			24,000	0	0	0	0	0	24,000

Funding Eligibility:

IESMA 100% Grant potential

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate	16,000					8,000	24,000
							0
							0
							0
							0
							0
Total Funding	16,000	0	0	0	0	8,000	24,000

Project Name: Fire Station Alerting Systems

Full Project Description

Currently we do not have an NFPA 1221 compliant alerting system for our fire stations. NFPA 1221 requires redundant alerting and receiving equipment so in the event of a failure of the primary system, dispatch has the ability to redirect the call to the back up system. Our main dispatch system at the PD to create wireless, or RF (radio frequency) as part of this compliance. Currently the signal is broadcast on a T-1 line to a transmitter, which is not allowed. The potential for line interruption, which has already occurred creates vulnerability in not dispatching fire units for emergency calls. The proposal is to install a redundant system in both fire stations over a two-year period to meet this compliance issue. The project will consist of the purchase of receivers, amplifiers, speakers and related support equipment along with the installation of the system by a contractor. Any work that can be done by the department personnel to assist will be incorporated into the project. It should be noted that this is part of our ISO rating in the component of Communications, which represents 10% of the overall rating system and is considered to be one of the more serious compliance areas. We will be re-rated by ISO within the next few

Task Component	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Station #1							0
Radio Equipment Purchase	10,000						10,000
Installation	7,400						7,400
Project Management	1,700						1,700
Training and set-up	1,700						1,700
Station #2							0
Radio Equipment Purchase		8,300					8,300
Installation		5,400					5,400
Project Management		1,900					1,900
Training and set-up		1,900					1,900
Total Project Allocation	20,800	17,500	0	0	0	0	38,300

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Corporate		17,500				20,800	38,300
Total Funding	0	17,500	0	0	0	20,800	38,300

Project Name:

Fire Equipment for Apparatus

Full Project Description

See Descriptions on separate page.

Allocation:

Task Component		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Rescue Struts for Extraction	Station #2	7,400						7,400
SCBA Equipment	Complete Replacement 44 Sets					325,000		325,000
	Replace 10 Bottles	7,000						7,000
	Compressor for Bottle filling						75,000	75,000
Rapid Intervention Kit							24,800	24,800
Hurst Tool Power Plant	Station #1	17,500						17,500
	Station #2		18,250					18,250
	Hurst Equipement						42,000	42,000
Hose Replacement		8,380	8,882	9,500	10,205	11,080	12,180	60,227
Thermal Camera		9,000	9,200	9,400				27,600
Combination Tool	431	7,500						7,500
Extraction Air Bag Replacement				10,000	11,000			21,000
Personal Protective Clothing	8 sets per year	19,384	20,547	21,776	23,080	24,464	25,936	135,187
Total Project Allocation		76,164	56,879	50,676	44,285	360,544	179,916	768,464

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Cororate	67,164	56,879	50,676	0	0	593,745	768,464
Total Funding	67,164	56,879	50,676	0	0	593,745	768,464

Project Name:

Fire Equipment for Apparatus

Full Project Description

Rescue Struts

Purchase of a second set of vehicle rescue struts for Fire Station 2's quint, MFD Foreign Tax purchased the first set. Allowing for a complete set of equipment on both sides of the Village.

SCBA Equipment

In 2017 the entire compliment of MFD SCBA equipment would have to be replaced in full. The current equipment was purchased through a FEMA AFG Grant in 2002. Current service life of SCBA is 15 years. Grants will be filed prior to the expiration of the current inventory, however there is no guaranteed this funding would be granted. Replace 10 self contained Breathing Apparatus bottles that have exceeded their 15 year life.

Rapid Intervention Kit

Hurst Tool Power

Purchase of new extrication Rescue Tools (Hurst - Jaws of Life) based on 15 year service life for power plant and related tools. Current Power Plants are beyond this time frame (94 and 96).

Hose Replacement

Purchase of hose by size based on 20 year life expectancy.

Thermal Camera

Purchase of a new thermal imaging camera for Ladder 433. The Ladder's camera was moved to the new quint to allow for a camera on both sides of town. The Ladder is currently the intial response to fires on the northside of the Village, in order to allow all first due companies to have access to this critical equipment, this purchase would have to be made. Purchase of an additional thermal imagaining camera to complete the inventory and making a critical piece of equipement available to all first arriving companies.

Combination Tool

Truck 431 is a primary response vehicle that has the potential of responding to a vehilce accident with patient(s) entrapped and no tool to begin extraction. Truck 431 has a Hurst pump, with no tools or hoses to initiate the rescue of a victim. We are proposing to purchase a combination tool (Cutting and Prying) and hoses as a cost effettive means to get an appropriate extraction tool on this vehicle.

Extraction Air Bag

For tracking we also have Air Bags for rescue and entrapment incidents that are to be replaced based on a 10 year cycle and project out to 2015/2016 for replacement purchase.

Protective Clothing

NFPA 1977 requires rotational replacement of personal protective clothing every 5 years. This replacement would be for 7 sets of personal protective clothing per year, consisting of only protective pants and coats. Helmets, boots and gloves will be budgeted for as line items.

Project Name: Long Term Facility Maintenance

Full Project Description

Anticipated Replacement of Building & Equipement at Fire Station facilities

Allocation:

<u>Task Component</u>	<u>Station #1</u>	<u>Station #2</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
									0
HVAC Systems	75,000	20,000						95,000	95,000
Elevator	15,000							15,000	15,000
Exhaust System								20,000	20,000
Exterior Maintenance								10,000	10,000
Roof	55,000	40,000						95,000	95,000
Garage Doors	21,000	21,000						42,000	42,000
Boiler	20,000							20,000	20,000
Plumbing								50,000	50,000
Interior Maintenance								15,000	15,000
Window Replacement	90,000	22,500						112,500	112,500
Entry Doors	20,000	20,000						40,000	40,000
									0
Total Project Allocation			0	0	0	0	0	514,500	514,500

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
							0
						514,500	514,500
							0
							0
							0
							0
Total Funding	0	0	0	0	0	514,500	514,500

**Capital Improvement Plan
Operating Police Department
Summary**

Project Costs

		FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A	Equipment	0	52,578	25,321	33,739	21,203	0	132,841	77,899	54,942
B	Communication Systems	100,000	275,000	275,000	0	0	0	650,000	550,000	100,000
C	P25 Police Radio Compliance	100,000	0	13,800	13,800	13,800	0	141,400	113,800	27,600
D	Parking Lot Expansion	0	310,000	0	0	0	0	310,000	310,000	0
E	Building Repairs/Replacements	0	0	0	0	0	405,000	405,000	0	405,000
F		0	0	0	0	0	0	0	0	0
G		0	0	0	0	0	0	0	0	0
H		0	0	0	0	0	0	0	0	0
I		0	0	0	0	0	0	0	0	0
J		0	0	0	0	0	0	0	0	0
K		0	0	0	0	0	0	0	0	0
L		0	0	0	0	0	0	0	0	0
M		0	0	0	0	0	0	0	0	0
N		0	0	0	0	0	0	0	0	0
O		0	0	0	0	0	0	0	0	0
P		0	0	0	0	0	0	0	0	0
		200,000	637,578	314,121	47,539	35,003	405,000	1,639,241	1,051,699	587,542

Project Name: **Equipment**

Full Project Description

General small operating equipment replacements due to normal aging. Items for FYE 13 are included in Operating Budget see Capital Listing

Allocation:

Task Component	Timing	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Lap Tops			1,500	1,500	1,500	1,500		6,000
Computers \$300 each	3101/2/4/5	8410	2,400	1,800	1,800	1,800		7,800
Printers (multi-functional and finger print)	3106-8410		4,500	2,500	4,500	2,500		14,000
Projectors	3101-8410		2,500	2,500	2,500			7,500
Server Rack	3101-8410		1,200	1,200	1,200	1,200		4,800
CAD1 Server	911 3101-8410							0
Video Recording Server	3101-8410				8,000			8,000
In Station Monitoring camera	3101-8599		2,560	2,560	1,920	2,560		9,600
Card Reader Touch pads	3101-8599		1,806	1,806	2,107	1,806		7,525
Workstation with dual video card	911 3102-8410		500	500				1,000
Monitors (2)	911 3102-8410		400	400				800
Touchscreen Monitors	911 3102-8410		2,380	2,380	2,380	3,570		10,710
DVR System to transfer interviews to DVD	3104-8410							0
Radar Units (2)	3105-8599		6,750	6,750	6,750	4,500		24,750
Trunk Organizer	3105-8599		400	400	400	400		1,600
PBT Replacement	3105-7999		682	1,025	682	1,367		3,756
UPS Replacement	911		25,000					25,000
								0
								0
								0
								0
								0
Total Project Allocation		0	52,578	25,321	33,739	21,203	0	132,841

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Corporate		52,578	25,321			54,942	132,841
FYE 13 in OM							0
							0
							0
							0
Total Funding	0	52,578	25,321	0	0	54,942	132,841

Project Name: **Communication Systems**

Full Project Description

Replace current general phone system

Radio System Replacement

The current hardware and software for police network radio, public works, MABAS, ISPERN, EDAC, NIFREN were purchased in 1998 and is antiquated. The vendor, CML, is no longer in business and parts are no longer available. This system is used to select police, fire, and paramedic radio frequencies, send transmissions to dispatch calls for service, and remotely access doors including station lock down. The system is functioning but the possibility exists if a part fails that is unavailable, the entire emergency radio system would be non-operational.

9-1-1 Phone System Replacement

Hardware and software for 911 Telephone System was purchased in 1998 (911 Smart Phone) and has reached its end of useful life according to manufacturer and parts are becoming unavailable. The system is functioning but the possibility exists if a part fail that is unavailable, the entire emergency telephone system would be non-operational.

Allocation:

Task Component	Timing	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Police Phone System Replacement		100,000						100,000
Radio System Replacement			275,000					275,000
9-1-1 Phone System Replacement				275,000				275,000
								0
								0
								0
								0
								0
								0
Total Project Allocation		100,000	275,000	275,000	0	0	0	650,000

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
9-1-1			275,000			100,000	375,000
Corporate		275,000					275,000
							0
							0
							0
Total Funding	0	275,000	275,000	0	0	100,000	650,000

Project Name: **P25 Police Radio Compliance**

Full Project Description

The Police Department is a member of the Central Lake County Radio Network (CLCRN) comprised of Mundelein, Libertyville, Lincolnshire and Vernon Hills and currently operates on a simplex radio system broadcasting in analog. FCC mandates will require all Police Departments to narrow band their current broadcast frequency. This is not just a simple reprogramming issue. It will require actual hardware changes in the infrastructure of the system including the replacement of repeaters, adding additional repeaters, portable radios, mobile radios and 911 center consoles. Additionally, this mandate will require the VOM to purchase new radios on frequencies used for mutual aid such as ISPERN and IREACH. The plan outlined below is just one alternative to reach the mandated requirements. Currently the CLCRN is looking into hiring a consultant to guide us through this process. It is quite possible that the CLCRN communities will not all take adhere to the same plan. For example, the path shown here only allows the PD to replicate its current system with absolutely no enhancements, added interoperability or P25 compliancy.

Allocation:

<u>Task Component</u>	<u>Timing</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Total</u>
Portable Radios and Shoulder Microphones	6 per year			13,800	13,800	13,800		41,400
Upgrade Radio Network Infrastructure		100,000						100,000
Lake County Radio Network Special Assessme	3102-6422							
Total Project Allocation		100,000	0	13,800	13,800	13,800	0	141,400

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Total</u>
Corporate	100,000		13,800			27,600	141,400
Total Funding	100,000	0	13,800	0	0	27,600	141,400

**Capital Improvement Plan
Operating - Public Works
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Municipal Street Light GIS	0	85,000	0	0	0	0	85,000	85,000	0
B Municipal Property Landscape Maintenance	15,000	95,000	105,000	110,000	120,000	0	445,000	215,000	230,000
C Snow and Ice Control Materials	0	175,000	175,000	175,000	175,000	0	700,000	350,000	350,000
D Tree Maintenance	0	53,000	53,000	53,000	53,000	0	212,000	106,000	106,000
E Public Works Facility #1 Addition	0	0	0	50,000	785,000	0	835,000	0	835,000
F Vehicle Maintenance Garage Upgrade	70,000	70,000	0	0	0	0	140,000	140,000	0
G HVAC Maintenance	0	35,000	35,000	35,000	35,000	0	140,000	70,000	70,000
H Public Works Feasibility Analysis	45,000	0	0	0	0	0	45,000	0	45,000
I Municipal Building Improvements/Upgrades	0	0	0	50,000	198,000	0	248,000	0	248,000
J Crack Sealing	0	15,000	15,000	15,000	15,000	0	60,000	30,000	30,000
K Thermoplastic Pavement Marking	0	17,500	17,500	17,500	17,500	0	70,000	35,000	35,000
L Sidewalk Replacement	0	20,000	20,000	20,000	20,000	0	80,000	40,000	40,000
M Traffic Signal Equipment Upgrade	0	20,000	145,000	0	0	0	165,000	165,000	0
N Street Light Conversion	0	35,000	35,000	35,000	35,000	0	140,000	70,000	70,000
O Cold Planer	0	0	0	0	0	0	0	0	0
	130,000	620,500	600,500	560,500	1,453,500	0	3,365,000	1,306,000	2,059,000

Project Name: **Vehicle Maintenance Garage Upgrade**

Full Project Description

In order to maintain the larger equipment within the Village fleet, improvements are necessary for the vehicle lifts that are currently in place. The truck lifts and portable lift jacks that are currently utilized are beyond their service life and in need of replacement.

Allocation:

Task Component	Timing	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
Truck Lift Replacement	June 2012	70,000						0 70,000
Portable Lift Jacks	June 2013		70,000					70,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Total Project Allocation		70,000	70,000	0	0	0	0	140,000

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Corporate	70,000	70,000					0 140,000 0 0 0 0
Total Funding	70,000	70,000	0	0	0	0	140,000

**Capital Improvement Plan
Operating - Wastewater
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Digester Maintenance/Repair	465,000	0	0	0	0	0	465,000	465,000	0
B Driveway Maintenance	0	35,000	0	0	0	0	35,000	35,000	0
C Primary Aeration Tank Maintenance	0	0	0	0	213,500	0	213,500	213,500	0
D Gas Compressor Replacement	0	0	25,000	0	0	0	25,000	25,000	0
E Grit Washer Replacement	0	0	215,500	0	0	0	215,500	215,500	0
F Pump Repair/Maintenance	0	40,000	50,000	35,000	35,000	0	160,000	160,000	0
G WWTP Upgrades	0	85,000	100,000	100,000	100,000	0	385,000	385,000	0
	<u>465,000</u>	<u>160,000</u>	<u>390,500</u>	<u>135,000</u>	<u>348,500</u>	<u>0</u>	<u>1,499,000</u>	<u>1,499,000</u>	<u>0</u>

**Capital Improvement Plan
Operating - Waterworks
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Well Maintenance	150,000	0	0	0	100,000	0	250,000	250,000	0
B Well #3, 4, and 5 Abandonment	42,000	0	0	0	0	0	42,000	42,000	0
C Interior Pump Station Painting	0	0	0	0	0	0	0	0	0
D Pump Repairs	0	106,000	0	0	0	0	106,000	106,000	0
E Fire Hydrant Painting	0	15,000	15,000	15,000	15,000	0	60,000	60,000	0
F Electrical Replacement--Well #10	35,000	0	0	0	0	0	35,000	35,000	0
G Water Tower Pressure Washing	0	11,500	4,400	0	0	0	15,900	15,900	0
H Driveway Replacements	0	10,000	15,000	15,000	15,000	0	55,000	55,000	0
I RF Meter Program	100,000	100,000	55,000	55,000	55,000	0	365,000	365,000	0
J Water Treatment Chemical Conversion	0	0	22,000	25,000	0	0	47,000	47,000	0
K Roof Replacement--Public Works Facility #2	0	0	0	14,000	64,500	0	78,500	52,766	25,734
L SCADA System Upgrades	0	30,000	12,000	0	0	0	42,000	42,000	0
M Remote Control Valve Repairs	0	0	0	22,000	15,000	0	37,000	37,000	0
N Water System Master Plan	0	0	0	120,000	0	0	120,000	0	120,000
	327,000	272,500	123,400	266,000	264,500	0	1,253,400	1,107,666	145,734

INTENTIONALLY BLANK

Vehicle and Equipment Replacements

Planned schedule for replacing vehicles and other major equipment. Intended for future Equipment Replacement Fund development.

INTENTIONALLY BLANK

**Capital Improvement Plan
Vehicle Replacement
Summary**

Project Costs

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total	Funded	Not Funded
A Administration Department	0	0	0	0	0	0	0	0	0
B Building Department	0	33,000	33,000	34,000	34,000	34,000	168,000	66,000	102,000
C Police Department	201,000	121,000	161,000	131,000	161,000	0	775,000	483,000	292,000
D Fire Department	620,000	251,000	1,100,000	578,226	756,532	0	3,305,758	1,551,000	1,754,758
E Public Works Administration	0	0	0	0	31,000	0	31,000	0	31,000
G Facility Division	55,000	0	65,000	0	55,000	0	175,000	120,000	55,000
H Vehicle Division	65,000	0	0	0	30,000	0	95,000	0	95,000
I-1 Street Division Part I	0	150,000	240,000	246,000	0	0	636,000	390,000	246,000
I-2 Street Division - Part II	130,000	250,000	172,000	0	0	0	552,000	552,000	0
J Wasterwater Division	39,000	120,000	31,000	40,000	411,000	0	641,000	190,000	451,000
K Water Division	67,000	39,000	47,000	125,000	43,000	0	321,000	153,000	168,000
	1,177,000	964,000	1,849,000	1,154,226	1,521,532	34,000	6,699,758	3,505,000	3,194,758

Project Name:

Building Department

Full Project Description

Building Department vehicles are to be replaced with more fuel efficient HYBRID or 4 cyl. cross over type vehicles.
 FYE 13 - 2004 Ford Crown Victoria (58) with 117,500 miles. This vehicle has peeling paint and is in fair condition.
 FYE 14 - 2006 Ford Crown Victoria (#67) with 120,244 miles. This vehicle also has peeling paint and is in fair condition.
 FYE 15 - 2000 Chevy Pickup (#56). While the vehicle currently only has 30,000 miles on it, but it will be 15 years old.
 FYE 16 - 2004 Chevy Blazer (#61) Currently the vehicle is in good shape and working order, but it will be 12 years old.
 Unknown - 2006 GMC Envoy (#52).
 Department includes One Director, Three Inspectors and One Code Enforcement Officer

Allocation:

<u>Task Component</u>		<u>Year</u>	<u>Vehicle#</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Three Year Total</u>
										0
CHEV	SEDAN	1999	56				34,000			34,000
FORD	SEDAN	2005	58		33,000					33,000
CHEV	4X4 UTILITY	2005	61					34,000		34,000
FORD	SEDAN	2006	67			33,000				33,000
GMC	Envoy	2006	52						34,000	34,000
										0
										0
										0
										0
										0
										0
										0
Project Allocation				0	33,000	33,000	34,000	34,000	34,000	168,000

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Three Year Total</u>
Equipment Fund		33,000	33,000			102,000	168,000
							0
							0
							0
							0
							0
							0
							0
Total Funding	0	33,000	33,000	0	0	102,000	168,000

Project Name: **Police Department**

Full Project Description

Vehicle Replacement. See C1 for the full inventory of Vehicles and the proposed replacement schedule. This does not include changeover costs.

Allocation:

Task Component			FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Three Year Total
									0
Squad Replacement	3,4,4,4,4	8350	86,000	100,000	115,000	110,000	100,000		511,000
Deputy Chief Vehicle	0,0,1,0,1	8310			25,000		25,000		50,000
In-Car Computers	3	8410	21,000	21,000	21,000	21,000	21,000		105,000
In-Car Cameras	12	8590	75,000						75,000
Chief Vehicle	0,0,0,0,0	8310							0
Traffic Trailer							15,000		15,000
Motor cycles	2		19,000						19,000
									0
									0
									0
									0
									0
									0
									0
Total Project Allocation			201,000	121,000	161,000	131,000	161,000	0	775,000

155,000

Funding Eligibility:

			FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Three Year Total
									0
									0
Equipment Fund			201,000	121,000	161,000			292,000	775,000
									0
									0
									0
									0
									0
									0
									0
									0
Total Funding			201,000	121,000	161,000	0	0	292,000	775,000

Project Name:

Police - Part II

Full Project Description

This is the basic schedule. There are many variables that determine ultimately which vehicles will be replaced each year such as mileage, the cumulative amount of money spent on repair, if a vehicle is disabled for any reason for a length of time,

Allocation:

Task Component		Year	Vehicle#	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Later	Three Year Total
FORD	SEDAN	3101	2011	12				1		0
FORD	SEDAN	3101	2000	19			1			1
FORD	SEDAN	3101	2011	20				1		1
CHEV	SEDAN	3101	2003	28	T					0
FORD	4 X 4 UTILITY	3101	2008	29		1				1
DODGE	MINIVAN	3103	2003	25		1				1
Investigations	NA	3104	NA	13	T				T	0
Investigations	NA	3104	NA	14			1			1
Investigations	NA	3104	NA	15		T			T	0
Investigations	NA	3104	NA	17			T		T	0
Investigations	NA	3104	NA	18		T			T	0
Investigations	NA	3104	NA	24				1		1
Investigations	NA	3104	NA	26			T		T	0
Investigations	NA	3104	NA	27	1					1
FORD	Expedition	3105	2004	1						0
FORD	Crown Vic	3105	2010	2		1				1
FORD	Crown Vic	3105	2011	3			1			1
FORD	Crown Vic	3105	2009	4				1		1
FORD	Crown Vic	3105	2011	5			1			1
FORD	Crown Vic	3105	2010	6		1				1
FORD	Crown Vic	3105	2010	7		1				1
FORD	Crown Vic	3105	2009	8	1					1
FORD	Crown Vic	3105	2011	9			1			1
FORD	Crown Vic	3105	2010	10	1					1
FORD	Crown Vic	3105	2009	11				1		1
FORD	Crown Vic	3105	2007	16	T					0
YAMAHA	A.T.V.	3105	1986	21				S		0
FORD	4X2 PICKUP	3105	1999	30			T			0
FORD	4X4 PICKUP	3105	2000	31						0
Motorcycle	Formerly Leases		2008	22	1			1		2
Motorcycle	Formerly Leases		2008	23	1			1		2
Trailer	Kustom signal							1		1
										0
Project Allocation				5	5	4	4	5	0	23

Project Name:

Fire Department Vehicles

Full Project Description:

<u>Year</u>	<u>Veh#</u>	<u>Budget Year</u>	<u>Vehicle</u>	
1995	333	2015	Fire Ladder	Replace Ladder. At this time due to the Village's increasing number of mid-level buildings in our master plan and large mercantile buildings, a Tower Ladder truck is recommended. This type of vehicle provides a safer means to remove victims from the upper floors of a building and a safer environment.
1992	311	2013	Pumper	Replace fire engine. This vehicle will have met the required service life of an engine. This vehicle has extensive body and mechanical issues and will be traded in.
1998	321	2016	Pumper	
2003	351	2017	Pumper	
2004	395	2014	Utility	
2000	347	2013	Ambulance	Replace Ambulance. This purchase is proposed based on the current life cycle of an ambulance rotation of 12 years.
2003	342	2014	Ambulance	Replace Ambulance. This purchase is proposed based on the current life cycle of an ambulance rotation of 12 years.
2006	341	2017	Ambulance	
NEW	NEW	2016	Mini-Rescue Squad	Addition to Fleet of a light duty rescue squad, equipment, lighting and radios. This proposal for this vehicle is to expand the response out of Station #1. This vehicle would respond to emergency medical incidents as a support company for an ambulance. This vehicle would ease the wear and reduce mileage on the current ladder truck. The operation of a light duty rescue squad is a cost effective operational move not only covering wear and tear but fuel economy. This can not replace

Project Name:

Facility Division

Full Project Description

All pick-up truck requests include Service Body, Plow, Tommy Lift Gate and radio equipment,
 The Tractor includes Blower and Broom Attachments
 One vehicle for each of the Superintendent, Assistant Superintendent and Maintenance Technical

Allocation:

Task Component	Year	Vehicle #	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Three Year Total
FORD	4X4 UTILITY	2008	601						0
GMC	4X4 PICKUP/UTIL	2001	603	55,000					55,000
FORD	4X4 PICKUP/UTIL	2006	604				55,000		55,000
WELLS	TRLR/ENCL/UTIL	2000	643						0
FLOE	TRLR/UTIL	2001	644						0
J. DEERE	TRACT/BLOWER	2001	645		65,000				65,000
FORD	BUCKET LIFT	2007	646						0
		7							0
Project Allocation			<u>55,000</u>	<u>0</u>	<u>65,000</u>	<u>0</u>	<u>55,000</u>	<u>0</u>	<u>175,000</u>

29,167

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Three Year Total
Equipment Fund	55,000		65,000			55,000	175,000
							0
							0
							0
							0
							0
							0
							0
Total Funding	<u>55,000</u>	<u>0</u>	<u>65,000</u>	<u>0</u>	<u>0</u>	<u>55,000</u>	<u>175,000</u>

Project Name:

Street Division Part I

Full Project Description

Vehicles (non-speciality vehicles and/or equipment. To be equipped as needed with plows, salter, radios, tommy gate lifts and other basic equipment. One vehicle for Superintendent and the rest are general for the 10 staff members use.

Allocation:

<u>Task Component</u>	<u>Year</u>	<u>Vehicle#</u>	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unknown</u>	<u>Three Year Total</u>
GMC	1 TON DUMP	1998	422						0
CHEV	1 TON DUMP	1999	424			70,000			70,000
GMC	1 TON DUMP	2001	426	70,000					70,000
FORD	1-1/2 TON DUMP	2006	427						0
FORD	1-1/2 TON DUMP	2006	428						0
FORD	1-1/2 TON DUMP	2008	430						0
NAVISTAR	3 TON DUMP	2010	400						0
NAVISTAR	3 TON DUMP	1996	420						0
NAVISTAR	3 TON DUMP	1998	421						0
NAVISTAR	3 TON DUMP	1999	423		145,000				145,000
NAVISTAR	3 TON DUMP	2001	425			145,000			145,000
NAVISTAR	3 TON DUMP	2007	429						0
NAVISTAR	3 TON DUMP	1993	434						0
NAVISTAR	3 TON DUMP	1994	435						0
NAVISTAR	3 TON DUMP	2008	436						0
NAVISTAR	3 TON DUMP	2009	437						0
NAVISTAR	3 TON DUMP	2009	438						0
NAVISTAR	3 TON DUMP	2010	439						0
FORD	4 X 4 PICKUP	Asst Sup	2008	415					0
GMC	4X4 PICKUP		2001	411	40,000				40,000
GMC	4X4 PICKUP		2002	412	40,000				40,000
GMC	4X4 PICKUP		2002	413		40,000			40,000
FORD	4X4 PICKUP		2010	416					0
FORD	4X4 PICKUP/UTIL		2003	414	55,000				55,000
CHEV	4X4 UTILITY	Super	2004	401		31,000			31,000
			24						0
									0
									0
									0
									0
Project Allocation			0	150,000	240,000	246,000	0	0	636,000

Funding Eligibility:

	<u>FYE 13</u>	<u>FYE 14</u>	<u>FYE 15</u>	<u>FYE 16</u>	<u>FYE 17</u>	<u>Unfunded</u>	<u>Three Year Total</u>
Equipment Fund		150,000	240,000			246,000	636,000
Total Funding	0	150,000	240,000	0	0	246,000	636,000

Project Name:

Water Division

Full Project Description

To be equipped as needed with plows, salter, radios, tommy gate lifts and other basic equipment.
 One vehicle for each employee

Allocation:

Task Component	Year	Vehicle#	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unknown	Total
GMC	4X4 UTILITY	1997	101						0
GMC	4X4 PICKUP/UTIL	2010	102						0
CHEV	4X4 PICKUP/UTIL	2010	103						0
GMC	UTILITY VAN	2006	105				27,000		27,000
GMC	UTILITY VAN	2006	106		27,000				27,000
GMC	UTILITY VAN	2001	107	27,000					27,000
GMC	UTILITY VAN	2001	108		27,000				27,000
CHEVY	4X4 PICKUP	2002	109	40,000					40,000
GMC	UTILITY VAN	2004	111		20,000				20,000
									0
									0
GMC	UTIL CRANE	1992	120						0
J.DEERE	BACKHOE	2004	144						0
SULLAIR	COMPRESSOR	1985	145						0
HESCO	GEN/BLOWER	1992	146						0
CLASSIC	TRLR/SHORE	1992	147				8,000		8,000
J.DEERE	MOWER	2004	148	12,000					12,000
CLASSIC	TRLR/LAND	1995	149				8,000		8,000
J. DEERE	BACKHOE	1997	150			125,000			125,000
WACKER	4" PUMP	1998	151						0
WACKER	4" PUMP	1998	152						0
									0
									0
									0
									0
									0
Project Allocation			67,000	39,000	47,000	125,000	43,000	0	321,000

64,200

Funding Eligibility:

	FYE 13	FYE 14	FYE 15	FYE 16	FYE 17	Unfunded	Total
Equipment Fund	67,000	39,000	47,000			168,000	321,000
							0
							0
							0
Total Funding	67,000	39,000	47,000	0	0	168,000	321,000