

Village of Carol Stream

SPECIAL MEETING

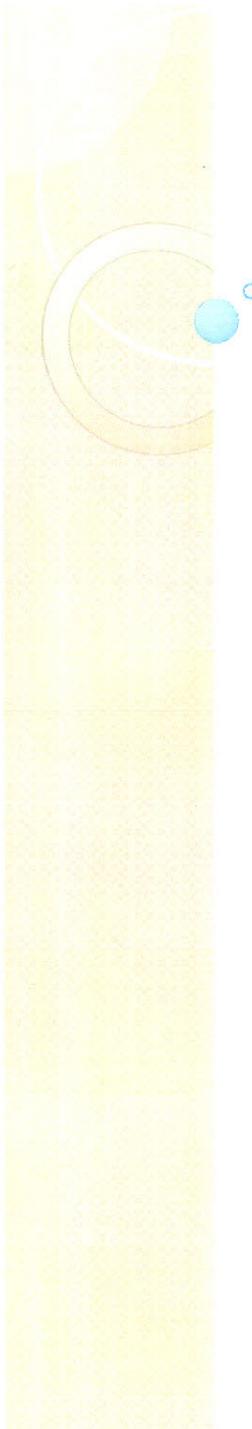
**MONDAY, MARCH 18, 2013
6:00 P.M.**

**GREGORY J. BIELAWSKI MUNICIPAL CENTER
500 N. GARY AVENUE
CAROL STREAM, ILLINOIS 60188**

LOWER LEVEL TRAINING ROOM

AGENDA

1. CALL TO ORDER
2. ATTENDANCE
3. 2013-2014 BUDGET WORKSHOP #4 –
OTHER FUNDS AND CAPITAL IMPROVEMENT PROGRAM
4. OTHER BUSINESS
5. ADJOURNMENT



Village of Carol Stream

FY 13/14

BUDGET WORKSHOP #4

March 18, 2013



Village of Carol Stream Proposed FY13/14 Annual Budget Workshop #4 Agenda

- General Fund Revenue Threat
- Total Budget - All Funds

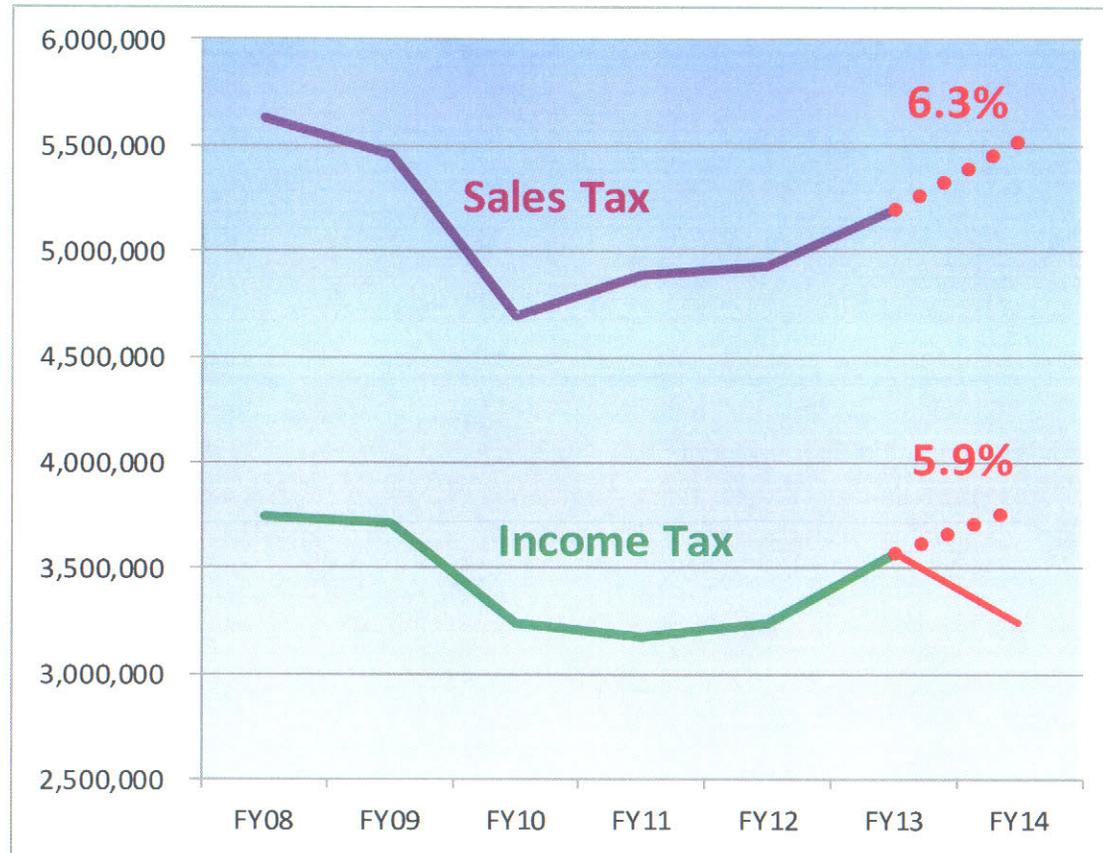
Other Funds

- Geneva Crossing TIF Fund
North Avenue / Schmale Road TIF
- Fund
- Police Pension Fund
- Capital Improvement Program
 - Capital Projects Fund
 - Motor Fuel Tax Fund
 - Water & Sewer Fund

Village of Carol Stream General Fund Revenue Threat

- State seeking to "Roll-Back" LGDF revenues to State FY11/12 levels (June, 2012)
- IML Estimated Impact = \$11.50 per capita
\$457,000 Loss
- Difference between our FY13/14 Projection and actual FY11/12 revenues:
\$585,000 Loss
- This would eliminate 64% - 82% of revenue growth over our FY12/13 estimated revenues.
- Contingency plan likely to include:
 - Delaying hiring of new positions.
 - Elimination of Comprehensive Plan
 - Scale back on EAB removals / replacements
 - Propose no change to draft FY13/14 budget.

Village of Carol Stream Impact of Proposed State Revenue Reductions on Income Tax Distributions

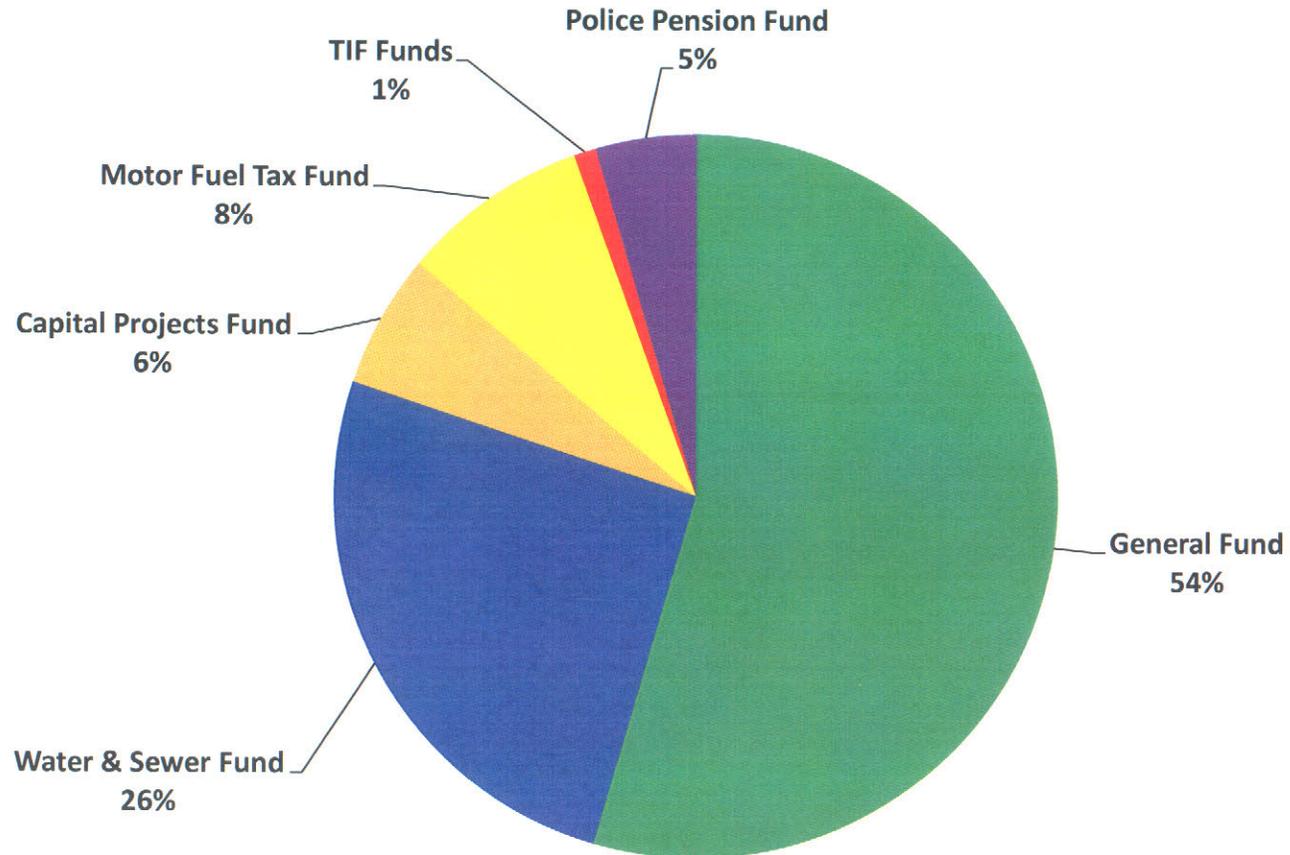


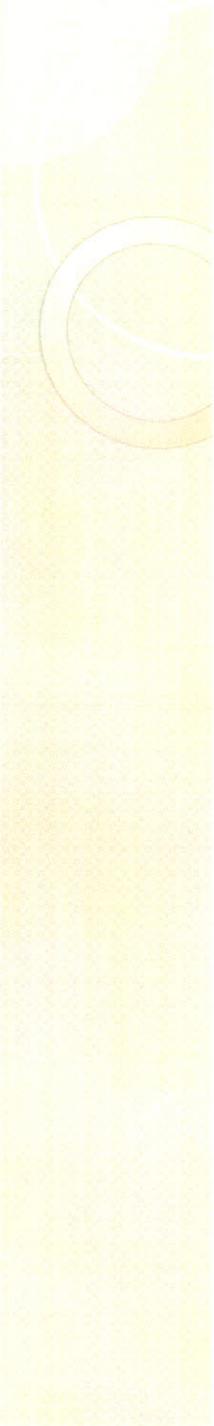
Village of Carol Stream Total Budget – ALL FUNDS

Fund	Budget FY 12/13	Proposed Budget FY 13/14	Increase (Decrease)	
REVENUES				
General Fund	20,785,000	22,475,000	1,690,000	
Water & Sewer Fund	8,117,751	9,010,000	892,249	
Capital Projects Fund	1,073,500	404,000	(669,500)	
Motor Fuel Tax Fund	1,006,000	940,000	(66,000)	
TIF2 - Geneva Crossing	500,100	537,200	37,100	
TIF3 - North / Schmale	-	66,900	66,900	
Police Pension Fund	4,183,148	4,527,254	344,106	
Total Revenues	35,665,499	37,960,354	2,294,855	6.4%
EXPENSES				
General Fund	20,785,000	22,345,000	1,560,000	
Water & Sewer Fund	11,768,657	10,494,275	(1,274,382)	
Capital Projects Fund	4,451,000	2,481,000	(1,970,000)	
Motor Fuel Tax Fund	482,000	3,448,000	2,966,000	
TIF2 - Geneva Crossing	371,610	372,760	1,150	
TIF3 - North / Schmale	20,000	25,000	5,000	
Police Pension Fund	1,709,100	1,847,000	137,900	
Total Expenses	39,587,367	41,013,035	1,425,668	3.6%
Net Increase/(Decrease)*	(3,921,868)	(3,052,681)		

* Due to expenditure of reserves for capital improvements.

Village of Carol Stream Proposed FY13/14 Budget – ALL FUNDS





TIF FUNDS

Geneva Crossing TIF
North Ave / Schmale Road TIF



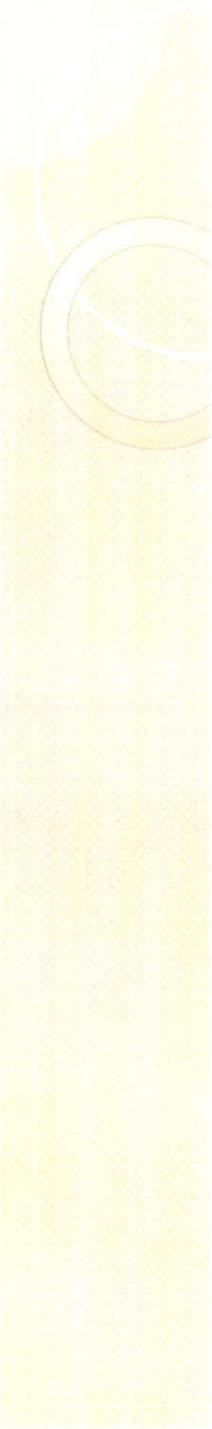
Village of Carol Stream TIF2 – Geneva Crossing Shopping Center

- Created in 1997, FY13/14 begins 18th year.
- 9 years of debt service remain. Expires in FY21/22.
- Average annual debt service obligation = \$370,000.
- Current tax increment = 110% of annual debt service.
- Village contributes sales tax in excess of \$100,000 to TIF.
- Total Increment + Sales tax = 145% of annual debt service.
- Projected 4/30/13 reserve balance = \$1,960,000
 - Equivalent to 5.3 years of debt service reserve.
- First bond call opportunity at end of calendar 2013.
 - Will run feasibility of early termination of TIF in mid 2013.



Village of Carol Stream TIF3 – North Ave./Schmale Rd.TIF

- Created in December, 2011.
- Still in it's infancy, no increment in year 1.
- First modest tax increment anticipated in FY13/14.
- Budget Includes required 10% Village contribution.
- Discussions on redevelopment agreement continue.



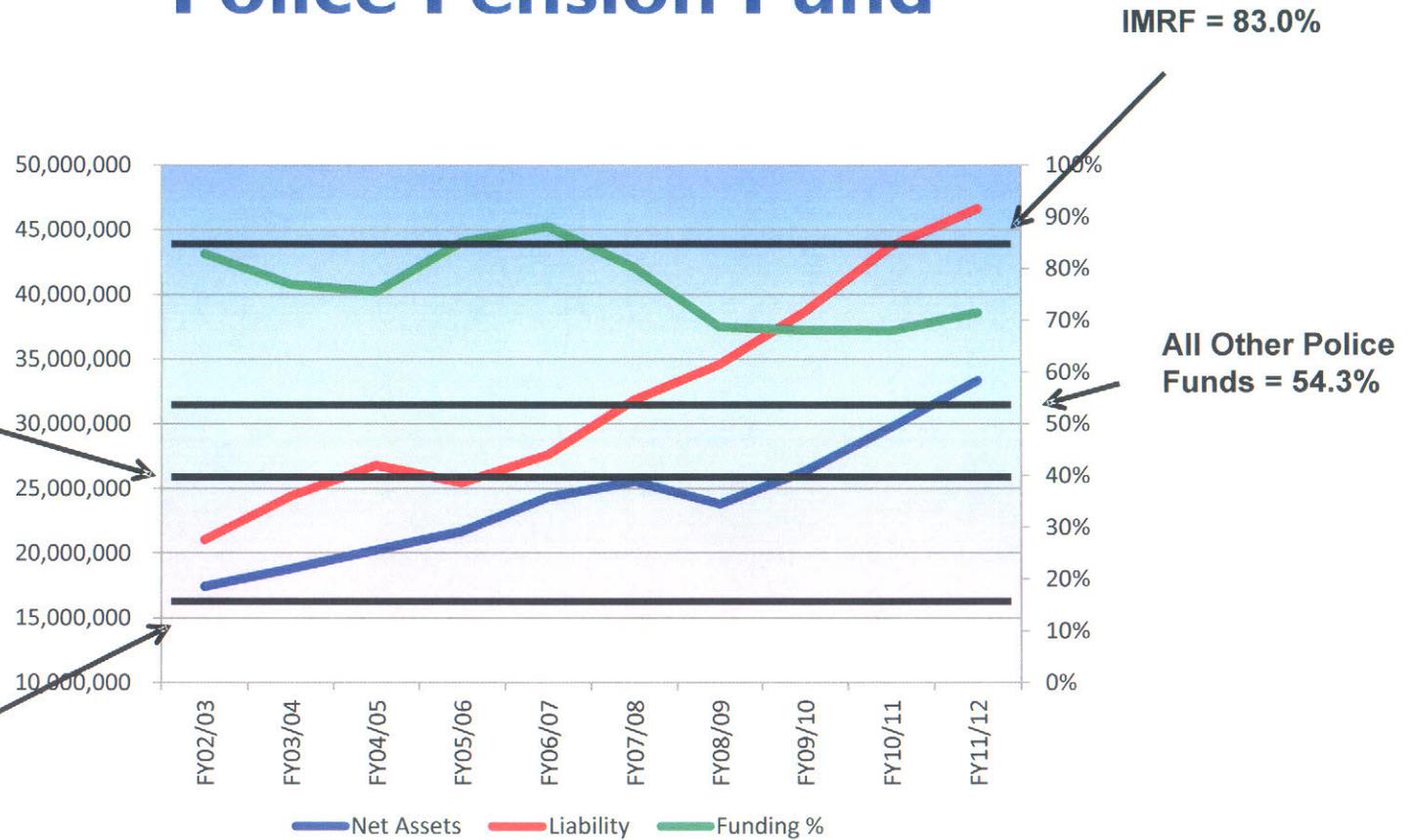
PENSION TRUST FUND

Carol Stream Police Pension Fund

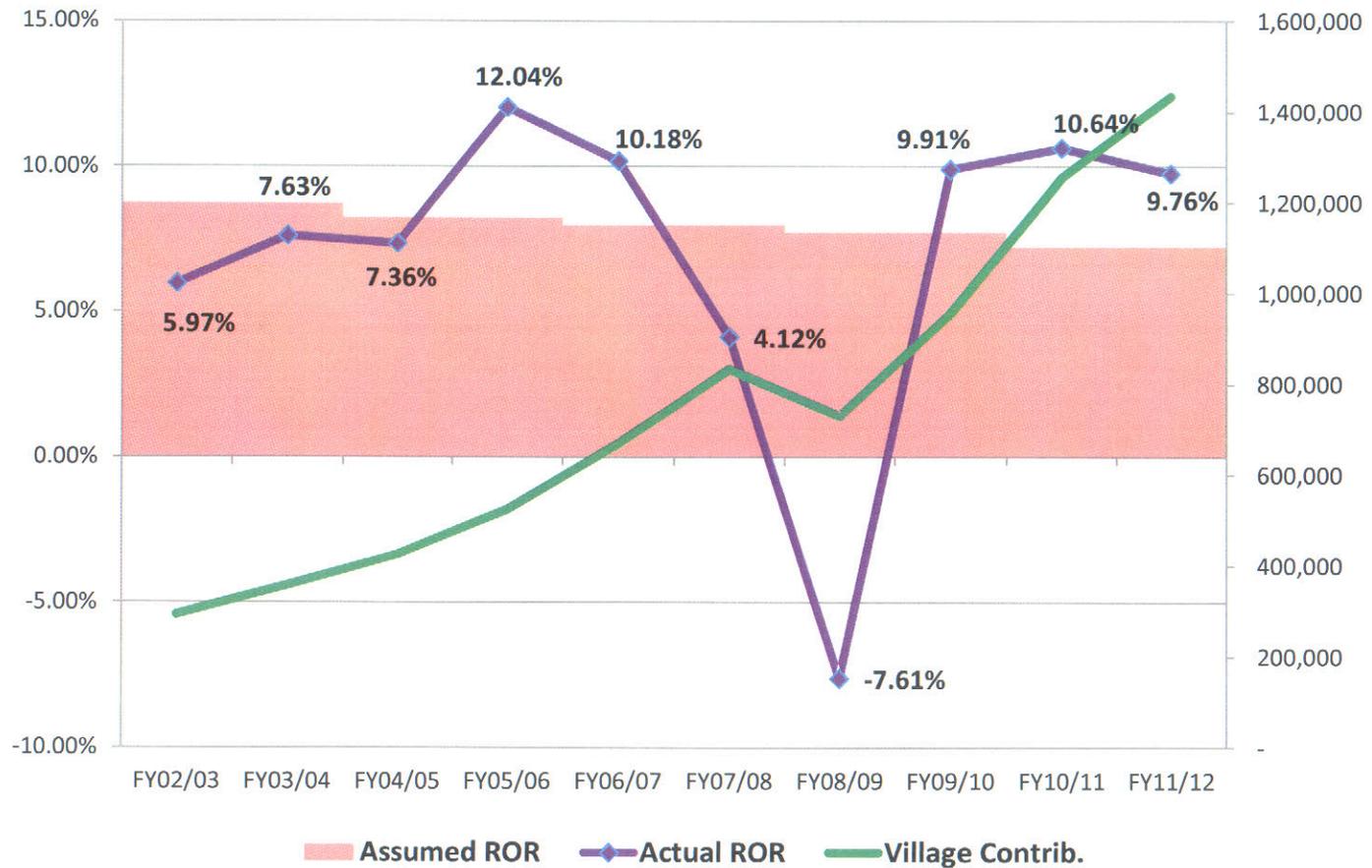
Village of Carol Stream Police Pension Fund

**“Best” Funded
State System =
SURS @ 41.3%**

**“Worst” Funded
State System =
GARS @ 17.4%**



Village of Carol Stream Police Pension Fund Actual and Assumed Rates of Return and Village Contribution



Village of Carol Stream

CAPITAL FUNDS

Motor Fuel Tax Fund (MFT)

- 1% decline in MFT revenues projected.
- Transfer of operating supplies (streetlight electricity, salt, etc.) to General Fund.

Capital Projects Fund

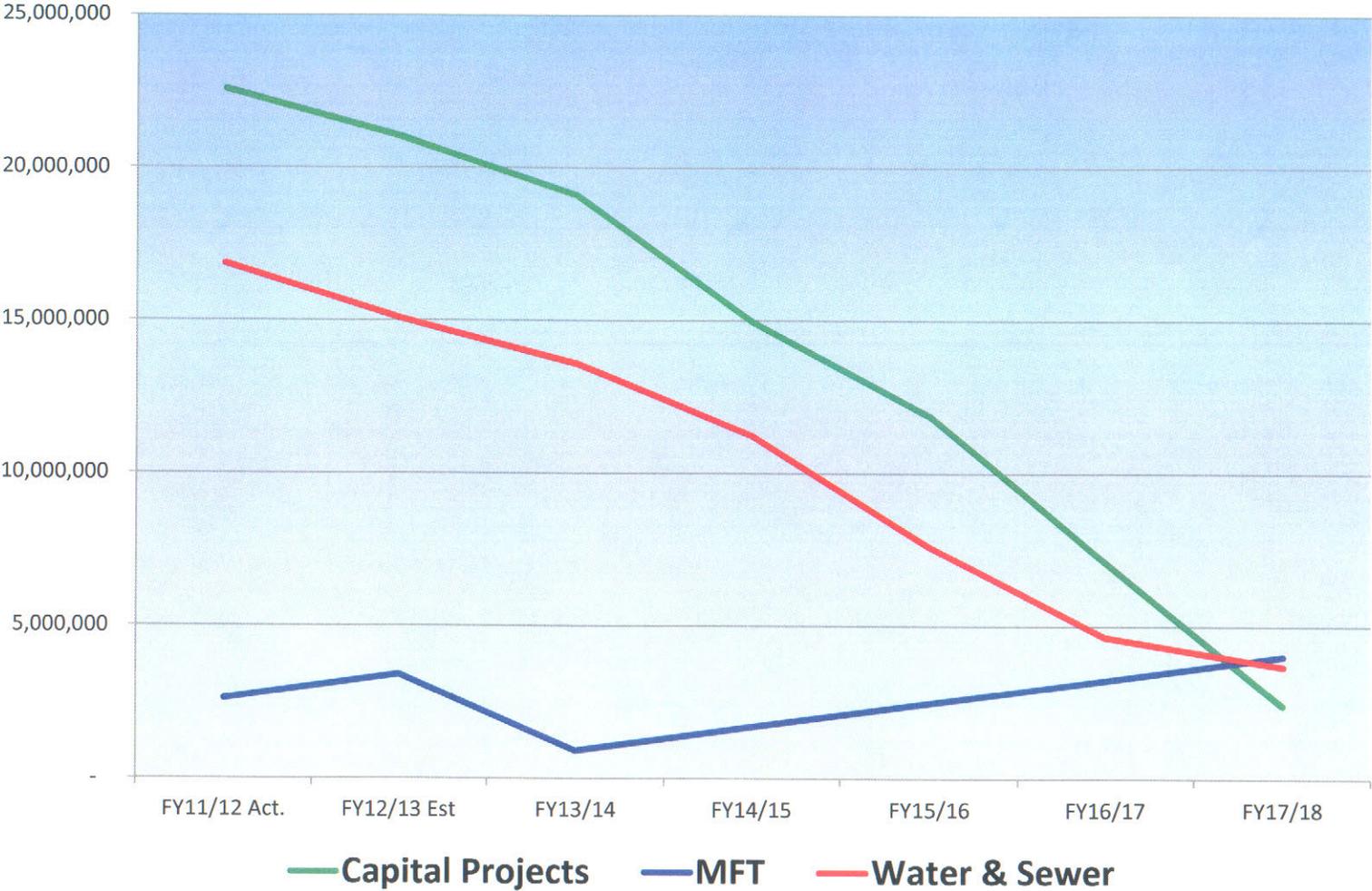
- Full complement of projects scheduled over 5 year time horizon.
- New contracted Project Manager to facilitate projects.
- Estimated \$2.1 million reserve transfer from General Fund projected for April, 2013.

Water & Sewer Fund (O&M + Capital)

- Rates need to provide for future capital needs.

Positive reserve balances for next 5 years – All funds

Village of Carol Stream CAPITAL FUNDS Projected Fund Balances – Next 5 Years



Village of Carol Stream

Summary of Budgeted Revenues and Expenses

Fund	Actual FY 11/12	Revised Budget FY 12/13	Estimated Revenues FY 12/13	Proposed Budget FY 13/14	Projected FY 14/15	Projected FY 15/16
REVENUES						
General Fund	\$ 21,535,381	\$ 20,785,000	\$ 21,764,400	\$ 22,475,000	\$ 22,934,800	\$ 23,430,700
Water & Sewer Fund	7,748,651	8,117,751	8,766,751	9,010,000	9,550,000	9,980,000
Capital Projects Fund	937,203	1,073,500	780,000	404,000	205,000	452,000
Motor Fuel Tax Fund	1,178,196	1,006,000	1,156,000	940,000	920,000	906,000
TIF2 - Geneva Crossing	480,350	500,100	498,175	537,200	548,200	539,200
TIF3 - North / Schmale	-	-	-	66,900	199,500	278,250
Police Pension Fund	5,088,410	4,183,148	3,833,398	4,527,254	4,875,500	5,245,500
Total Revenues	\$ 36,968,191	\$ 35,665,499	\$ 36,798,724	\$ 37,960,354	\$ 39,233,000	\$ 40,831,650
EXPENSES						
General Fund	\$ 19,533,248	\$ 20,785,000	\$ 20,642,462	\$ 22,345,000	\$ 22,846,926	\$ 22,419,111
Water & Sewer Fund	8,220,711	11,768,657	10,554,709	10,494,275	11,899,844	14,826,459
Capital Projects Fund	2,404,140	4,451,000	4,413,000	2,481,000	4,423,000	4,549,000
Motor Fuel Tax Fund	387,472	482,000	354,800	3,448,000	129,000	135,000
TIF2 - Geneva Crossing	371,574	371,610	372,710	372,760	376,960	375,230
TIF3 - North / Schmale	34,354	20,000	45,000	25,000	199,000	277,475
Police Pension Fund	1,483,460	1,709,100	1,684,600	1,847,000	2,053,000	2,258,000
Total Expenses	\$ 32,434,959	\$ 39,587,367	\$ 38,067,281	\$ 41,013,035	\$ 41,927,730	\$ 44,840,275

Village of Carol Stream

TAX INCREMENT FINANCING DISTRICT 2 GENEVA CROSSING

Revenues, Expenditures and Changes in Fund Balances

The Tax Increment Financing (TIF) District - Geneva Crossing Debt Service Fund was set up in 1997 to retire the \$4.8 million in bonds that were issued for the Geneva Crossing Tax Increment Financing District. In 2005, this issue was refinanced to take advantage of the favorable interest rate environment. This shopping center is anchored by a 71,000 square foot Dominick's Finer Foods grocery store.

Acct. # / Description	Actual FY 11/12	Revised	Estimated FY 12/13	Proposed	Projected FY 14/15	Projected FY 15/16
		Budget FY 12/13		Budget FY 13/14		
Beginning Balance, May 1	\$1,597,764	\$1,706,540	\$1,835,030	\$1,960,495	\$2,124,935	\$2,296,175
Revenues/Sources						
41101 Incremental Property Tax	366,002	380,000	358,000	407,000	408,000	409,000
46501 Interest Income	179	100	175	200	200	200
49330 Transfer from General Corporate Fund	114,169	120,000	140,000	130,000	140,000	130,000
Total Revenues/Sources	480,350	500,100	498,175	537,200	548,200	539,200
Expenditures/Uses						
56290 Principal Retirement	220,000	230,000	230,000	240,000	255,000	265,000
56491 Interest Expense	147,735	138,110	138,110	127,760	116,960	105,230
52238 Legal Services	839	500	1,600	2,000	2,000	2,000
59292 Escrow Agent Fees	3,000	3,000	3,000	3,000	3,000	3,000
Total Expenditures/Uses	371,574	371,610	372,710	372,760	376,960	375,230
Net Increase / (Decrease)	108,776	128,490	125,465	164,440	171,240	163,970
Ending Balance, April 30	\$1,706,540	\$1,835,030	\$1,960,495	\$2,124,935	\$2,296,175	\$2,460,145

Village of Carol Stream
TAX INCREMENT FINANCING DISTRICT 2
GENEVA CROSSING

Future Debt Service

(GENEVA CROSSING PROJECT) SERIES 2005
DEBT SERVICE TO MATURITY

May 1, 2013

Fiscal Year	Principal	Interest	Total
FY14	\$ 240,000	\$127,760	\$ 367,760
FY15	255,000	116,960	371,960
FY16	265,000	105,230	370,230
FY17	280,000	92,775	372,775
FY18	290,000	79,615	369,615
FY19	305,000	65,695	370,695
FY20	320,000	50,750	370,750
FY21	340,000	34,750	374,750
FY22	355,000	17,750	372,750
	<u>\$ 2,650,000</u>	<u>\$691,285</u>	<u>\$3,341,285</u>

Village of Carol Stream

TAX INCREMENT FINANCING DISTRICT 3 NORTH AVENUE AND SCHMALE ROAD

Revenues, Expenditures and Changes in Fund Balances

On December 5, 2011, having satisfied all of the requirements for TIF eligibility, the Village created the North Avenue and Schmale Road Tax Increment Financing District as a means to facilitate appropriate economic incentives for future development of this key entryway at the Village's eastern boundary.

The Village is presently in the process of negotiating a Redevelopment Agreement (RDA#1) with a developer which will convert a portion of the redevelopment area into a retail grocery store and warehouse operation. It is contemplated that the negotiated developer incentive will be secured by a limited liability note, secured by incremental property taxes and a portion of the sales taxes generated within the development parcel.

Acct. # / Description	Actual FY 11/12	Revised	Estimated FY 12/13	Proposed	Projected FY 14/15	Projected FY 15/16
		Budget FY 12/13		Budget FY 13/14		
Beginning Balance, May 1	\$ 0	\$ (34,354)	\$ (34,354)	\$ (79,354)	\$ (37,454)	\$ (36,954)
Revenues/Sources						
41150 Tax Increment - RDA#1	0	0	0	18,000	50,000	125,000
41175 Tax Increment - Undesign.	0	0	0	0	0	0
46501 Interest - Undesign.	0	0	0	100	500	750
49340 Sales Taxes - RDA#1	0	0	0	47,000	144,000	140,000
49350 TIF Contrib. - RDA#1	0	0	0	1,800	5,000	12,500
49375 TIF Contrib - Undesign.	0	0	0	0	0	0
Total Revenues/Sources	0	0	0	66,900	199,500	278,250
Expenditures/Uses						
52238 Legal Services	21,455	10,000	35,000	10,000	2,500	1,000
52253 Consultant	12,899	10,000	10,000	5,000	2,500	1,000
56490 Loan Principal	0	0	0	0	43,500	126,215
56491 Loan Interest	0	0	0	0	140,000	138,260
58220 Reimb. to General Fund	0	0	0	10,000	10,500	11,000
Total Expenditures/Uses	34,354	20,000	45,000	25,000	199,000	277,475
Net Increase / (Decrease)	(34,354)	(20,000)	(45,000)	41,900	500	775
Ending Balance, April 30	\$ (34,354)	\$ (54,354)	\$ (79,354)	\$ (37,454)	\$ (36,954)	\$ (36,179)

Village of Carol Stream

POLICE PENSION FUND

Detail

Acct. # / Description	Actual FY 11/12	Revised Budget FY 12/13	Estimated FY 12/13	Proposed Budget FY 13/14	Projected FY 14/15	Projected FY 15/16
Revenues						
49330 Employer Contribution	\$1,434,572	\$1,474,398	\$1,474,398	\$1,551,754	\$1,715,000	\$1,900,000
47333 Employee Contribution	491,907	508,000	500,000	525,000	535,000	545,000
46504 Investment Income - Gov. Secur.	382,896	400,000	380,000	450,000	500,000	525,000
46506 Investment Income - IL Funds	733	500	1,500	500	500	500
46505 Investment Income - FNMA's	0	0	0	0	0	0
46508 Investment Income - Banks	189	250	0	0	0	0
46510 Appreciation - Separate Acct.	58,439	1,150,000	500,000	1,300,000	1,375,000	1,500,000
46502 Gain/(Loss)	2,571,764	650,000	850,000	700,000	750,000	775,000
47334 Contributions - Prior Years	52,618	0	66,500	0	0	0
47335 Repayment of Refunds	0	0	17,700	0	0	0
47336 Interest From Members	42,526	0	9,200	0	0	0
47337 Portability Transfers In	52,766	0	34,100	0	0	0
47407 Miscellaneous Revenue	0	0	0	0	0	0
Total Revenue	\$5,088,410	\$4,183,148	\$3,833,398	\$4,527,254	\$4,875,500	\$5,245,500
Expenses						
Contractual Services						
52222 Meetings	2,771	4,500	7,500	5,000	5,000	5,000
52234 Dues & Subscriptions	1,000	1,000	1,000	1,000	1,000	1,000
52238 Legal Fees	9,941	5,000	4,000	2,000	2,000	2,000
52241 Court Reporter Fees	0	0	1,100	0	0	0
52256 Banking Services	4,451	5,000	4,500	5,000	5,000	5,000
52259 Accounting Services	11,250	12,000	11,500	12,500	13,000	14,000
52292 Management Fee	76,450	87,000	80,000	85,000	89,000	92,000
52293 Bonding & Insurance	3,084	3,200	3,250	3,500	4,000	4,000
52294 Secretary Services	510	500	500	500	500	500
52295 Medical Examinations	17,850	0	0	750	800	900
Subtotal	127,307	118,200	113,350	114,500	119,500	123,500
Other Expenses						
57473 Retirement Pensions	1,239,737	1,500,000	1,390,000	1,600,000	1,800,000	2,000,000
57474 State Filing Fee	5,269	5,400	6,000	7,000	8,000	9,000
57475 Contribution Refunds	432	0	0	0	0	0
57476 Disability Pensions	25,164	0	39,750	40,000	40,000	40,000
57477 Transfer to Other Fund	0	0	50,000	0	0	0
57478 Surviving Spouse Pension	85,479	85,500	85,500	85,500	85,500	85,500
57499 Contingency	72	0	0	0	0	0
Subtotal	1,356,153	1,590,900	1,571,250	1,732,500	1,933,500	2,134,500
Total Expenses	\$1,483,460	\$1,709,100	\$1,684,600	\$1,847,000	\$2,053,000	\$2,258,000
Net Increase / (Decrease)	\$3,604,950	\$2,474,048	\$2,148,798	\$2,680,254	\$2,822,500	\$2,987,500

TABLE 4

Summary of Financial Condition State Retirement Systems Combined Assets at Market Value / Without Asset Smoothing FY 2012 (\$ in Millions)				
System	Accrued <u>Liability</u>	Net <u>Assets</u>	Unfunded <u>Liability</u>	Funded <u>Ratio</u>
TRS	\$90,024.9	\$36,516.8	\$53,508.1	40.6%
SERS	\$33,091.2	\$10,960.7	\$22,130.5	33.1%
SURS	\$33,170.2	\$13,705.1	\$19,465.1	41.3%
JRS	\$2,021.7	\$578.0	\$1,443.7	28.6%
GARS	\$303.5	\$52.7	\$250.8	17.4%
TOTAL	\$158,611.5	\$61,813.3	\$96,798.2	39.0%

The funded ratios for each of the five State retirement systems may be compared to the aggregate funded ratio of 39.0% for the five systems. Although the Judges' Retirement System and the General Assembly Retirement System have the poorest funded ratios, these two systems are much smaller and their unfunded liabilities are thus more manageable than the three larger systems.

Current Funded Status of
5 State-funded retirement systems

Village of Carol Stream

CAPITAL PROJECTS FUND

Detail

Acct. # / Description	Actual FY 11/12	Revised Budget FY 12/13	Estimated FY 12/13	Proposed Budget FY 13/14	Projected FY 14/15	Projected FY 15/16
Revenues						
43637 Streetlight Grant*		262,500	350,000	0	0	0
43640 Capital Grants*		0	0	0	0	0
Thunderbird Bridge	100,000	0	0	0	0	0
Flood Buy-Outs	428,989	224,000	265,000	37,000	0	0
Tubeway Storm Lift	6,956	0	0	0	0	0
Fair Oaks Pavement		0	0	0	0	0
W. Branch Trail	101,043	93,000	0	92,000	101,000	81,000
Kuhn Road Trail	30,262	67,000	70,000	83,000	0	0
46501 Investment Income	52,824	36,000	60,000	70,000	80,000	100,000
47601 Developer Contribution*	0	0	0	0	0	0
Park Dist - Flex Reimb.	40,691	0	0	0	0	0
Flood Buy-Outs	142,996	2,000	0	0	0	0
Fair Oaks Pavement	0	16,000	15,000	102,000	0	0
W. Branch Trail	33,442	23,000	20,000	20,000	24,000	271,000
Gary Ave Path	0	75,000	0	0	0	0
47407 Miscellaneous Revenue	0	0	0	0	0	0
49330 Tfrs. From Gen. Fund	0	275,000	0	0	0	0
Total Revenue	\$ 937,203	\$ 1,073,500	\$ 780,000	\$ 404,000	\$ 205,000	\$ 452,000
Expenditures (11740000)						
Contractual Services						
52238 Legal Fees	14,576	0	2,500	5,000	5,000	5,000
52253 Consultant	0	0	0	110,000	113,000	117,000
Capital Outlay						
55486 Roadway System*	1,678,280	4,121,000	4,100,000	1,521,000	4,255,000	4,417,000
55487 Village Facilities*	104,986	0	0	704,000	0	0
55488 Stormwater System*	606,298	310,000	310,000	121,000	40,000	0
55489 Miscellaneous	0	20,000	500	20,000	10,000	10,000
Total Expenses	\$ 2,404,140	\$ 4,451,000	\$ 4,413,000	\$ 2,481,000	\$ 4,423,000	\$ 4,549,000
Transfer From General Fund	\$ 5,000,000	\$ 0	\$ 2,100,000	\$ 130,000	\$ 87,874	\$ 1,011,589
Net Increase / (Decrease)	\$ 3,533,063	\$ (3,377,500)	\$ (1,533,000)	\$ (1,947,000)	\$ (4,130,126)	\$ (3,085,411)
Projected Year End Balance	\$ 22,574,313		\$ 21,041,313	\$ 19,094,313	\$ 14,964,187	\$ 11,878,776

Village of Carol Stream

MOTOR FUEL TAX FUND

Detail

Acct # / Description	Actual FY 11/12	Revised Budget FY 12/13	Estimated FY 12/13	Budget FY 13/14	Planned FY 14/15	Planned FY 15/16
Revenue						
43207 MFT Allotments	\$ 984,387	\$ 1,001,000	\$ 960,500	\$ 933,000	\$ 915,000	\$ 896,000
43207 High Growth Cities	12,448	0	12,500	0	0	0
43207 Capital Bill Funding	176,912	0	177,000	0	0	0
46501 Interest Income	4,449	5,000	6,000	7,000	5,000	10,000
Subtotal	1,178,196	1,006,000	1,156,000	940,000	920,000	906,000
Total Revenue	\$ 1,178,196	\$ 1,006,000	\$ 1,156,000	\$ 940,000	\$ 920,000	\$ 906,000
Expenditures (06320000)						
Contractual Services						
52211 Crack Filling	133,918	117,000	116,000	123,000	129,000	135,000
52244 Maint. & Repair	2,677	3,000	2,300	0	0	0
52248 Electricity	41,141	60,000	45,000	0	0	0
Subtotal	177,736	180,000	163,300	123,000	129,000	135,000
Commodities						
53335 Salt	173,262	255,000	160,000	0	0	0
53336 Sand	1,551	3,000	1,000	0	0	0
53338 Concrete	8,406	8,500	8,000	0	0	0
53340 Materials	1,868	9,500	5,000	0	0	0
53344 Street Signs	14,193	10,000	8,000	0	0	0
53345 Street Light Supplies	4,075	10,000	6,000	0	0	0
53347 CA-6	6,381	6,000	3,500	0	0	0
Subtotal	209,736	302,000	191,500	0	0	0
Capital Outlay						
54460 Pavement Maint.	0	0	0	0	0	0
54470 Flexible Pavement Pg	0	0	0	3,325,000	0	0
Subtotal	0	0	0	3,325,000	0	0
Total Expenditure	\$ 387,472	\$ 482,000	\$ 354,800	\$ 3,448,000	\$ 129,000	\$ 135,000
Net Increase / (Decr.	790,724	524,000	801,200	(2,508,000)	791,000	771,000
Projected Year End						
Balance	\$ 2,615,279		\$ 3,416,479	\$ 908,479	\$ 1,699,479	\$ 2,470,479

Village of Carol Stream

WATER AND SEWER FUND

Summary Revenues & Expenses

	Actual FY 11/12	Revised Budget FY 12/13	Estimated FY 12/13	Proposed Budget FY 13/14	Projected FY 14/15	Projected FY 15/16
REVENUES	\$ 7,748,651	\$ 8,117,751	\$ 8,766,751	\$ 9,010,000	\$ 9,550,000	\$ 9,980,000
EXPENSES						
Operating Expenses						
Salaries & Wages	1,098,178	1,208,214	1,219,134	1,261,786	1,295,772	1,313,658
WRC Contract	1,695,319	1,701,105	1,701,105	1,768,299	1,838,147	1,910,754
DuPage Water Commission	3,004,075	3,718,000	3,935,000	4,530,000	5,230,000	5,700,000
Contractual Services	793,613	978,508	936,806	1,006,777	1,000,964	975,993
Commodities	200,923	234,429	242,613	258,468	258,996	260,570
Total Operating Expenses	6,792,108	7,840,256	8,034,658	8,825,330	9,623,879	10,160,975
Net Income / (Loss)						
Before Capital	956,543	277,495	732,093	184,670	(73,879)	(180,975)
Capital/Debt Expenses						
Other Capital/Debt	139,633	1,072,401	1,061,401	596,945	581,965	528,484
Construction	1,288,970	2,856,000	1,458,650	1,072,000	1,694,000	4,137,000
Total Capital	1,428,603	3,928,401	2,520,051	1,668,945	2,275,965	4,665,484
Total Expenses	8,220,711	11,768,657	10,554,709	10,494,275	11,899,844	14,826,459
Fund Net Income / (Loss)	\$ (472,060)	\$ (3,650,906)	\$ (1,787,958)	\$ (1,484,275)	\$ (2,349,844)	\$ (4,846,459)
Projected Cash Reserves (Reserved for Capital)	16,869,569		15,081,611	13,597,336	11,247,492	6,401,033

Village of Carol Stream
5 Year Capital Improvement Program - Fund Cash Flow Projections

	FY11/12						
	Audited Fund	FY12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18
	Balances	Estimated	Projected	Projected	Projected	Projected	Projected
<u>CAPITAL PROJECTS FUND</u>							
Proj. Beginning Fund Balance, May 1	\$ 19,041,250	\$ 22,574,313	\$ 21,041,313	\$ 19,094,313	\$ 14,964,187	\$ 11,878,776	\$ 7,111,776
Estimated Revenues	937,203	780,000	404,000	205,000	452,000	160,000	25,000
Estimated Expenditures*	(2,404,140)	(4,413,000)	(2,481,000)	(4,423,000)	(4,549,000)	(4,927,000)	(4,730,000)
Projected Surplus / Deficit	(1,466,937)	(3,633,000)	(2,077,000)	(4,218,000)	(4,097,000)	(4,767,000)	(4,705,000)
Transfer In From General Fund	5,000,000	2,100,000	130,000	87,874	1,011,589	-	-
Proj. Ending Fund Balance, April 30	\$ 22,574,313	\$ 21,041,313	\$ 19,094,313	\$ 14,964,187	\$ 11,878,776	\$ 7,111,776	\$ 2,406,776
<u>MOTOR FUEL TAX FUND</u>							
Proj. Beginning Fund Balance, May 1		\$ 2,615,279	\$ 3,416,479	\$ 908,479	\$ 1,699,479	\$ 2,470,479	\$ 3,240,479
Estimated Revenues		1,156,000	940,000	920,000	906,000	912,000	928,000
Estimated Expenditures*		(354,800)	(3,448,000)	(129,000)	(135,000)	(142,000)	(149,000)
Projected Surplus / Deficit		801,200	(2,508,000)	791,000	771,000	770,000	779,000
Proj. Ending Fund Balance, April 30		\$ 2,615,279	\$ 3,416,479	\$ 908,479	\$ 1,699,479	\$ 2,470,479	\$ 4,019,479
<u>WATER AND SEWER FUND</u>							
Proj. Beginning Cash Balance, May 1		\$ 16,869,569	\$ 15,081,611	\$ 13,597,336	\$ 11,247,492	\$ 7,599,033	\$ 4,663,033
Estimated Revenues		8,766,751	9,010,000	9,550,000	9,980,000	10,500,000	11,000,000
Proceeds of Debt		-	-	-	1,198,000	5,829,000	-
Estimated Operating Expenses/Debt		(9,096,059)	(9,422,275)	(10,205,844)	(10,689,459)	(11,225,000)	(11,775,000)
Estimated Expenses (Construction)		(1,458,650)	(1,072,000)	(1,694,000)	(4,137,000)	(8,040,000)	(200,000)
Projected Surplus / Deficit		(1,787,958)	(1,484,275)	(2,349,844)	(3,648,459)	(2,936,000)	(975,000)
Proj. Ending Cash Balance, April 30**		\$ 16,869,569	\$ 15,081,611	\$ 13,597,336	\$ 11,247,492	\$ 4,663,033	\$ 3,688,033

* Includes non-capital / operating expenditures.

** A portion of the total cash balance is reserved for operations (25% of annual operating budget).

**VILLAGE OF
CAROL STREAM**

**2013-14
CAPITAL
IMPROVEMENT
PROGRAM**

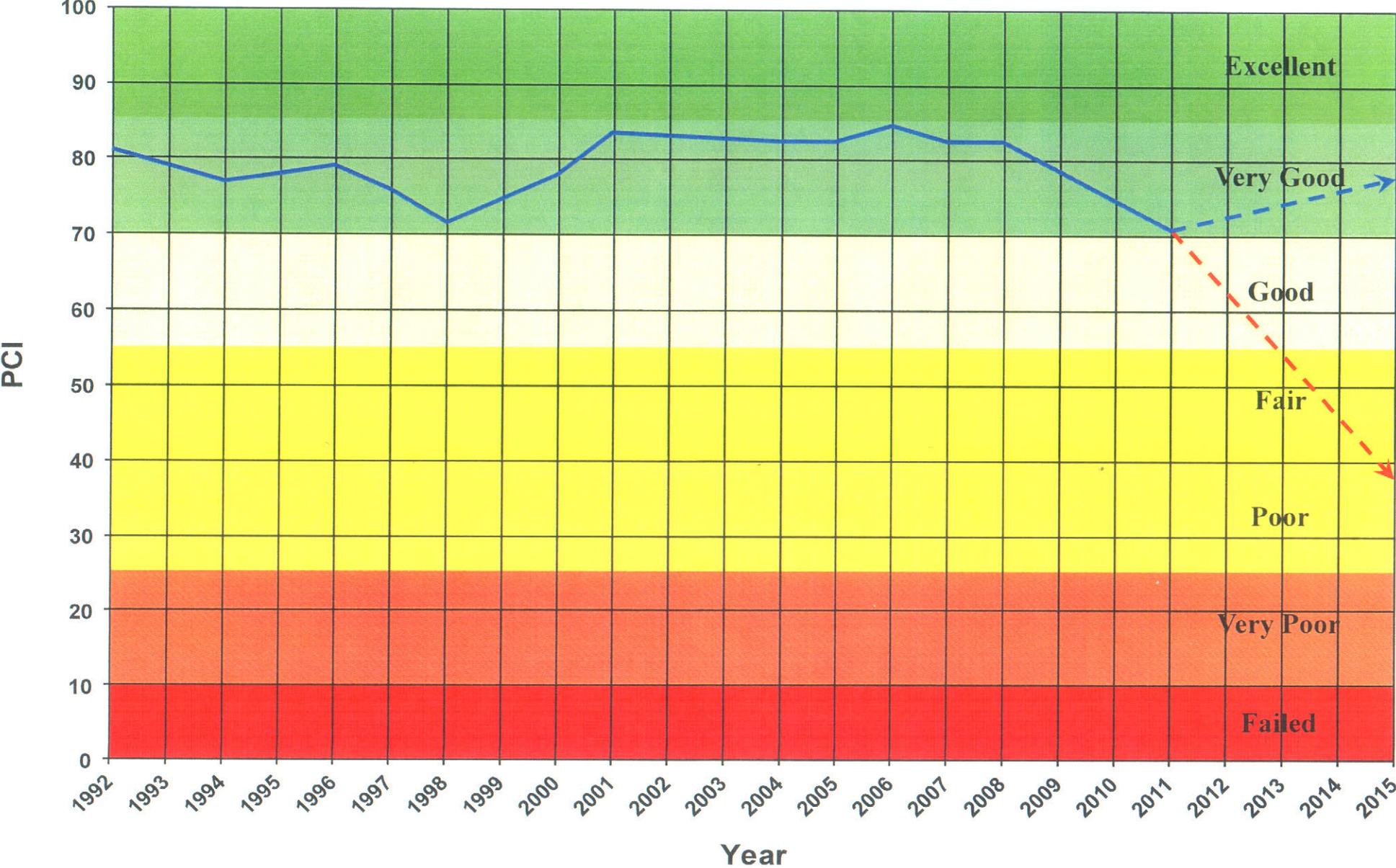
A G E N D A

- **State Of The Village's Infrastructure & Recommendations**
 - **Roadway Status & Recommendations**
 - **Water & Sewer Status & Recommendations**
 - **Storm Water Management Status & Recommendations**
- **Proposed CIP**
 - **Five, Ten & Twenty Year Plans**
 - **Contracted Project Management Services**
 - **Project Details**
- **Requested But Not Programmed Projects**
- **Element Qualification Criteria For Project Inclusion**
- **Summary Of Major Plan Changes For Five Year CIP**

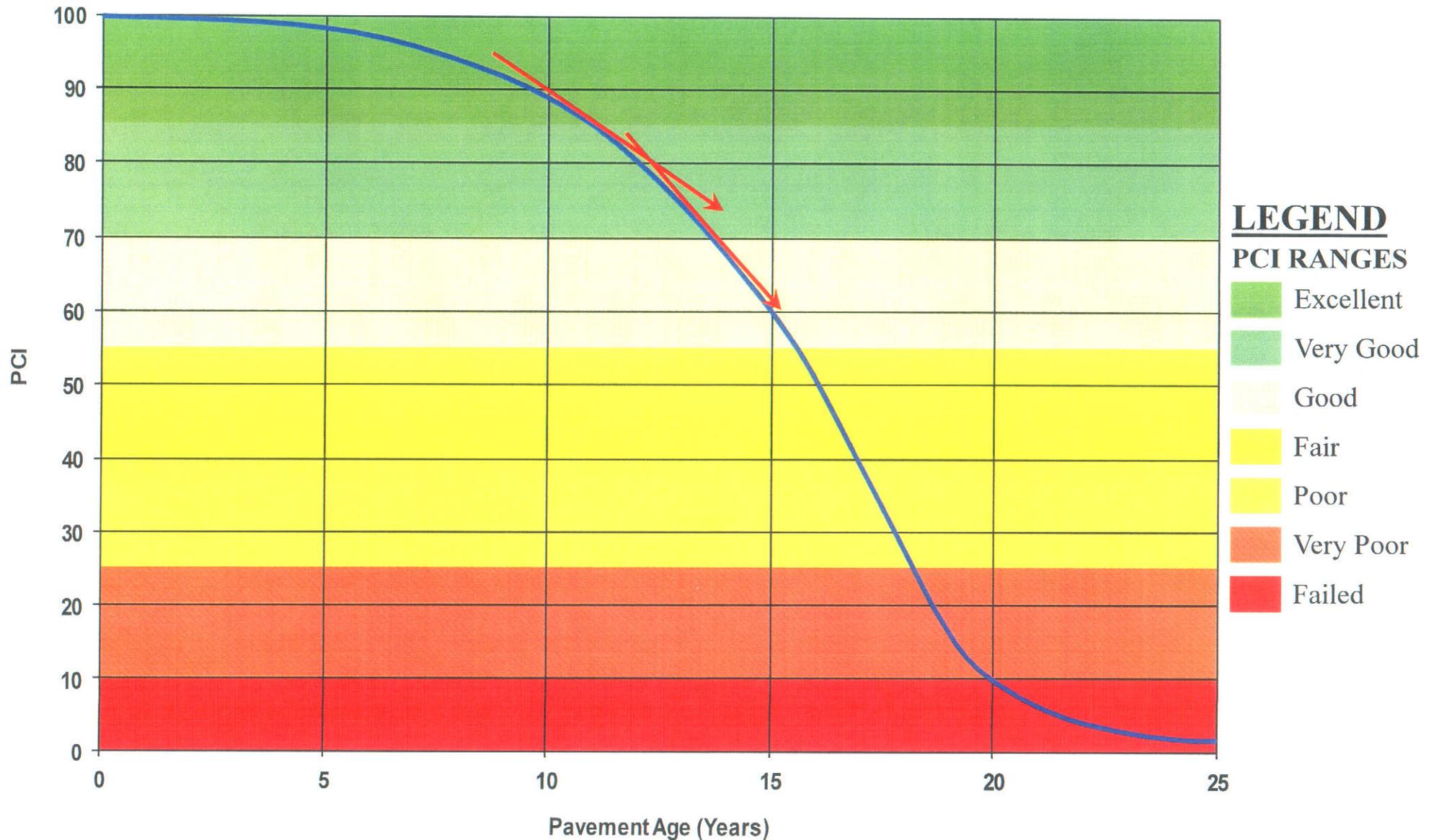
ROADWAY STATUS

- **Overall avg. PCI declined from 82 in 2008 to 71 in 2011.**
- **Number of failed to fair streets rose from 22 to 105.**
- **Backlog rose from 59,000 SY to 355,000 SY.**
- **Resulting financial impact: \$6.9 M in additional backlog**

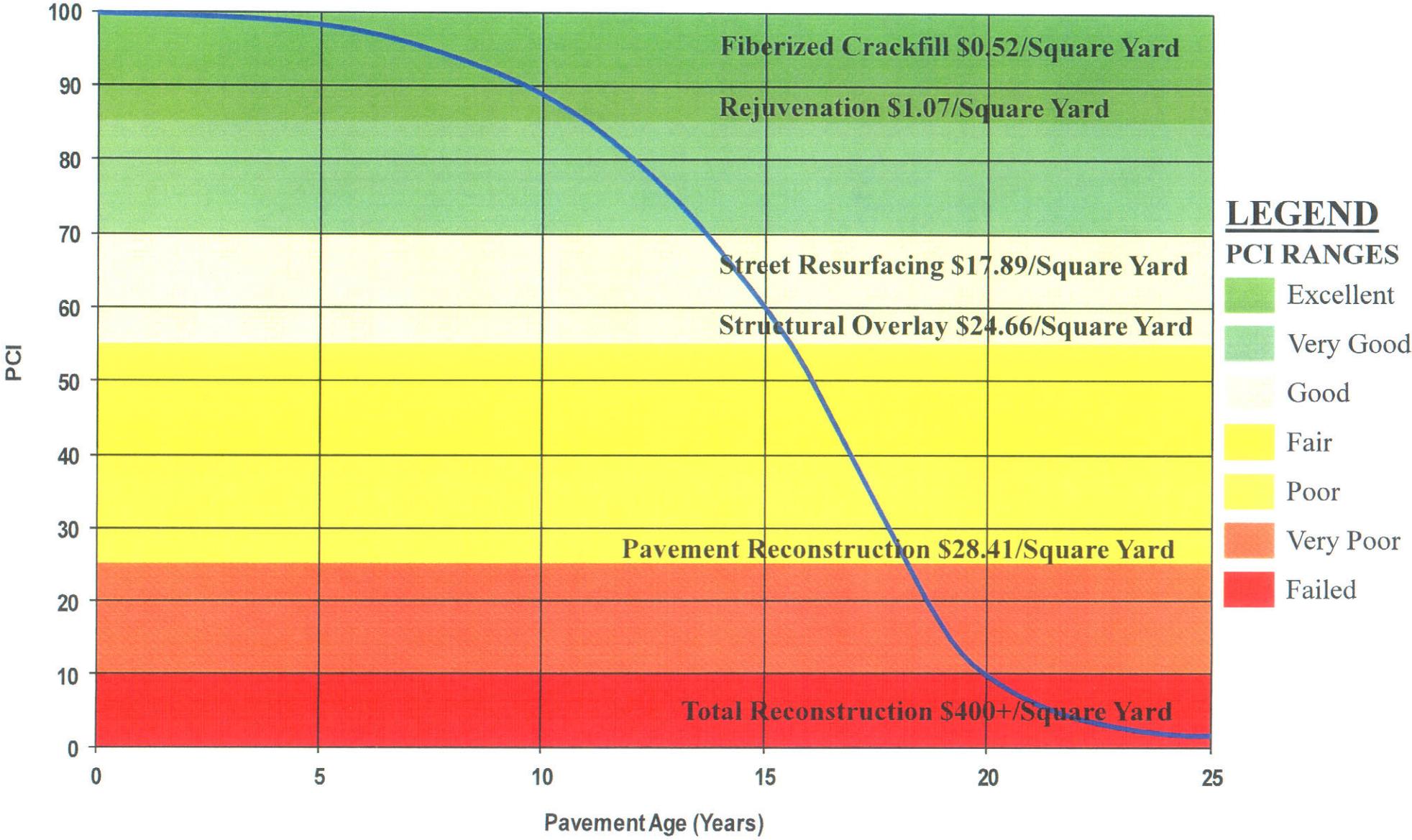
ROADWAY SYSTEM PAVEMENT CONDITION INDEXES (PCI)



PAVEMENT CONDITION DETERIORATION CURVE & MAINTENANCE STRATEGIES



PAVEMENT CONDITION DETERIORATION CURVE & MAINTENANCE STRATEGIES



LEGEND

PCI RANGES

- Excellent
- Very Good
- Good
- Fair
- Poor
- Very Poor
- Failed

PAVEMENT MANAGEMENT PROGRAM

Plan Recommendations

- **Continue with the original Flexible Pavement Program.**
- **Aggressively reduce the backlog.**
- **Continue with the Pavement Patching Program.**
- **Incorporate the Pavement Marking Project into the Pavement Preventative Maintenance Program.**
- **Renew performing the pavement condition inventories.**
- **Continue to seeking grant funding - Lies Road Rehab.**

WATER AND SEWER STATUS

- **Water and sewer pipes also deteriorate like streets, but typically have longer life spans.**
- **Past replacements based on pipe material, break history, under pavement and age.**
- **Previously identified water system replacements are estimated at \$30M.**
- **Several unknowns:**
 - **Sanitary Sewer System I&I Reduction Projects**
 - **Water System Replacement & Improvement Projects**
 - **IEPA NPDES Permit - WRC Required Improvements**

WATER AND SEWER PROGRAM

Plan Recommendations

- **Complete water & sanitary system GIS utility atlases.**
- **Continue with studies and implementation.**
 - **GIS Utility System Update & Implementation – Delayed 2 Years**
 - **Sanitary Sewer System Evaluation Study (SSES)**
 - **Water System Study – Delayed 2 Years**
 - **WRC Improvements & Permitting**
 - **Schmale Road Water Main Replacement**
 - **Aztec Drive Sanitary Sewer Replacement – Delayed 2 Years**
 - **Sanitary Sewer I&I Reductions – Delayed 2 Years**
- **Develop water and sanitary sewer system programs.**

STORM WATER STATUS

- **Storm sewer pipes also deteriorate like streets, but typically have longer life spans.**
- **Past maintenance and repair has been reactionary.**
- **More frequent and intense storms creating flooding conditions in original Carol Stream and southeast.**
- **Unfunded mandates continue to burden municipalities.**
- **Potential for very costly storm water management infrastructure projects due to environmental regulations and flooding.**

STORM WATER MGMT. PROGRAM

Plan Recommendations

- **Monitor and assist DuPage County with the planning, design and construction of the Armstrong Park Flood Control Project.**
- **Continue with studies and implementation.**
 - **Klein Creek Flood Plain Structure Buyouts**
 - **Southeast Stormwater Study – Delayed 1 Year**
 - **Tubeway & Westgate Stormwater Study – Delayed 1 Year**
 - **Pond Shoreline Maintenance Program**
 - **Stream Maintenance Program**

STORM WATER MGMT. PROGRAM

Plan Recommendations

- **Continue to implement our Storm Water Management Program given existing staffing levels and financial constraints.**
- **Continue to monitor and stay active in the development and implementation of storm water and environmental regulations.**

**PROPOSED
FIVE YEAR CIP**

**FUNDING
SUMMARY**

Village of Carol Stream
5 Year Capital Improvement Program - Expenditure Summary

<u>CIP Projects By Fund (\$000)</u>	<u>Fund</u>	<u>FY13/14</u> <u>Proposed</u>	<u>FY14/15</u> <u>Planned</u>	<u>FY15/16</u> <u>Planned</u>	<u>FY16/17</u> <u>Planned</u>	<u>FY17/18</u> <u>Planned</u>	<u>Total</u>
<u>Roadways:</u>							
1. Pavement Preventative Maintenance Program	CPF	\$ 468	\$ 487	\$ 507	\$ 528	\$ 549	\$ 2,539
2. Flexible Pavement Program	CPF	-	2,452	3,124	3,850	4,042	13,468
3. Flexible Pavement Program	MFT	3,325	-	-	-	-	3,325
4. Fair Oaks Road Pavement Rehabilitation*	CPF	217	-	-	-	-	217
5. Indianwood Drive Pavement Reconstruction	CPF	140	64	-	-	-	204
6. Kuhn Road Pavement Rehabilitation*	CPF	52	62	312	-	-	426
7. Lies Road Pavement Rehabilitation*	CPF	-	29	35	289	-	353
8. Illini Drive Bridge Replacement	CPF	92	844	-	-	-	936
9. Kuhn Road Trail*	CPF	93	-	-	-	-	93
10. West Branch DuPage River Trail*	CPF	134	147	439	108	-	828
11. Gary Avenue Improvements	CPF	-	100	-	17	-	117
12. Streetlight Replacement Program	CPF	325	-	-	-	-	325
Subtotal		\$ 4,846	\$ 4,185	\$ 4,417	\$ 4,792	\$ 4,591	\$ 22,831
<u>Water and Sewer Utilities:</u>							
1. WRC Phase II Aeration System Improvement	W/S	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ 825
2. Building Roof Replacement	W/S	50	65	80	-	-	195
3. WRC Phase I Pumping Station Improvement	W/S	-	1,250	-	-	-	1,250
4. WRC Phase II Pumping Station Improvement	W/S	-	-	650	-	-	650
5. WRC Dewatering System Improvement	W/S	-	-	410	1,640	-	2,050
6. WRC Blower Motor Drive Replacement	W/S	-	-	-	-	110	110
7. WRC WAS Pump Replacement	W/S	-	-	-	-	40	40
8. GIS Utility System Update & Implementation	W/S	-	70	-	-	-	70
9. GIS Utility System Update & Implementation	CPF	-	70	-	-	-	70
10. Water System Studies	W/S	-	-	97	-	-	97
11. SW Reservoir & Pumping Station	W/S	-	-	949	3,145	-	4,094
12. SW DPWC Connection & Metering Station	W/S	-	-	249	2,684	-	2,933
13. Schmale Road Water Main Replacement	W/S	167	309	1,650	-	-	2,126
14. Aztec Drive Sanitary Sewer Replacement	W/S	-	-	52	571	-	623
15. Sanitary Sewer I&I Reduction	W/S	-	-	-	-	50	50
16. WRC Streetlight Replacement	W/S	30	-	-	-	-	30
Subtotal		\$ 1,072	\$ 1,764	\$ 4,137	\$ 8,040	\$ 200	\$ 15,213

Village of Carol Stream
5 Year Capital Improvement Program - Expenditure Summary

<u>CIP Projects By Fund (\$000)</u>	<u>Fund</u>	<u>FY13/14 Proposed</u>	<u>FY14/15 Planned</u>	<u>FY15/16 Planned</u>	<u>FY16/17 Planned</u>	<u>FY17/18 Planned</u>	<u>Total</u>
<u>Stormwater Utilities:</u>							
1. Klein Creek Flood Plain Phase II Buyout*	CPF	\$ 37	\$ -	\$ -	\$ -	\$ -	\$ 37
2. Southeast Stormwater Study	CPF	84	-	-	-	-	84
3. Tubeway & Westgate Stormwater Study	CPF	-	40	-	-	-	40
Subtotal		\$ 121	\$ 40	\$ -	\$ -	\$ -	\$ 161
<u>Facilities:</u>							
1. Salt Dome Roof Replacement	CPF	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ 60
2. PWC North Garage Roof Replacement	CPF	330	-	-	-	-	330
3. Fullerton Storage Building	CPF	314	-	-	-	-	314
Subtotal		\$ 704	\$ -	\$ -	\$ -	\$ -	\$ 704
Total Expenditures All Funds:		\$ 6,743	\$ 5,989	\$ 8,554	\$ 12,832	\$ 4,791	\$ 38,909

* Partially funded though outside sources.

Fund Recap

Capital Projects Fund	CPF	\$ 2,346	\$ 4,295	\$ 4,417	\$ 4,792	\$ 4,591	\$ 20,441
Motor Fuel Tax Fund	MFT	3,325	-	-	-	-	3,325
Water & Sewer Fund	W/S	1,072	1,694	4,137	8,040	200	15,143
		\$ 6,743	\$ 5,989	\$ 8,554	\$ 12,832	\$ 4,791	\$ 38,909

PROPOSED CIP

YEARS 6 - 10

YEARS 11 - 20

CAPITAL IMPROVEMENT PROGRAM

FY 2019 THROUGH FY 2023

<u>CIP Projects By Fund (\$000)</u>	<u>Fund</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total</u>
<u>Roadway System</u>							
1. Pavement Preventative Maintenance Program	CPF	\$572	\$597	\$622	\$648	\$676	\$3,115
2. Flexible Pavement Program	CPF	\$0	\$4,456	\$3,114	\$3,617	\$5,159	\$16,346
3. Flexible Pavement Program	MFT	\$3,828	\$0	\$0	\$0	\$0	\$3,828
4. Vale Rd. Rehabilitation	CPF	\$139	\$0	\$0	\$0	\$0	\$139
5. Doris Ave. Rehabilitation	CPF	\$277	\$0	\$0	\$0	\$0	\$277
6. Kuhn Rd. Rehabilitation	CPF	\$0	\$0	\$271	\$0	\$0	\$271
7. Morton Rd. Rehabilitation	CPF	\$0	\$0	\$1,294	\$0	\$0	\$1,294
8. Fair Oaks Rd. Rehabilitation	CPF	\$0	\$0	\$0	\$903	\$0	\$903
9. Old Gary Ave. Rehabilitation	CPF	\$0	\$0	\$0	\$393	\$0	\$393
10. Streetlight Replacement Program	CPF	\$375	\$0	\$0	\$400	\$0	\$775
Subtotal:		<u>\$5,191</u>	<u>\$5,053</u>	<u>\$5,301</u>	<u>\$5,961</u>	<u>\$5,835</u>	<u>\$27,341</u>
<u>Water and Sewer Utilities</u>							
1. WRC Secondary Clarifier Improvements	W/S	\$0	\$295	\$1,485	\$0	\$0	\$1,780
2. WRC Spencer Motor Drive Replacement	W/S	\$0	\$0	\$0	\$0	\$140	\$140
3. WRC Dewater Sludge Pumps A/B Replacement	W/S	\$0	\$0	\$0	\$0	\$60	\$60
4. WRC Digester Pump Replacement	W/S	\$0	\$0	\$0	\$0	\$136	\$136
5. Sanitary Sewer I&I Reduction	W/S	\$550	\$550	\$500	\$0	\$0	\$1,600
6. SW Sanitary Lift Station & Force Main	W/S	\$1,334	\$0	\$0	\$0	\$0	\$1,334
7. SW Sanitary Sewer Extension	W/S	\$65	\$702	\$0	\$0	\$0	\$767
8. St. Charles Rd. Sanitary Sewer Extension	W/S	\$0	\$0	\$310	\$3,011	\$335	\$3,656
Subtotal:		<u>\$1,949</u>	<u>\$1,547</u>	<u>\$2,295</u>	<u>\$3,011</u>	<u>\$671</u>	<u>\$9,473</u>
<u>Facilities</u>							
1. None	CPF	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal:		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>Stormwater Utility</u>							
1. None	CPF	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal:		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenditures All Funds:		<u>\$7,140</u>	<u>\$6,600</u>	<u>\$7,596</u>	<u>\$8,972</u>	<u>\$6,506</u>	<u>\$36,814</u>

CAPITAL IMPROVEMENT PROGRAM

FY 2023 THROUGH FY 2032

	<u>Fund</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>
<u>Roadway System</u>											
1. Pavement Preventative Maintenance Program	CPF	X	X	X	X	X	X	X	X	X	X
2. Flexible Pavement Program	CPF	X	X	X	X	X	X	X	X	X	X
4. Doris Ave. Rehabilitation	CPF					X					
5. Kuhn Rd. Rehabilitation	CPF							X			
6. Morton Rd. Rehabilitation	CPF							X			
7. Fair Oaks Rd. Rehabilitation	CPF								X		
8. Old Gary Ave. Rehabilitation	CPF								X		
9. Vale Rd. Rehabilitation	CPF									X	
10. Streetlight Replacement Program	CPF		X			X			X		
<u>Water and Sewer Utilities</u>											
1. WRC Sand filter Replacemenet	W/S		X	X							
2. WRC Disinfection System Replacement	W/S			X							
3. WRC Non-potable Water Strainer Replacement	W/S					X					
4. WRC RAS Station Improvements	W/S							X			
5. Sanitary Sewer Replacement	W/S	X	X	X	X	X	X	X	X	X	X
6. Gary Avenue Gardens Watermain Improvement	W/S						X	X			
7. Tall Oaks Lift Station Replacement	W/S		X								
8. Fire Hydrant Replacement	W/S	X	X	X	X	X	X	X	X	X	X
9. Water Main Valve Replacement	W/S	X	X	X	X	X	X	X	X	X	X
10. Water Main Replacement	W/S	X	X	X	X	X	X	X	X	X	X
<u>Facilities</u>											
1. New Police Station	CPF										
- Land		X									
- Construction			X								
2. Community Park Improvement*	CPF	X									
3. PWC Fuel Storage Tank Replacement	CPF			X							
4. PWC Water/Sewer Garage Roof Replacement	CPF	X									
5. PWC Administration Bldg. Roof Replacement	CPF		X								
6. PWC South Garage Roof Replacement	CPF			X							
<u>Stormwater Utility</u>											
None											

* Partially funded through outside source(s)

CONTRACTED PROJECT MGMT. SERVICES

List of Possible Projects

- **Fiberized Crackfill Project**
- **Preservative Sealer Project**
- **Restorative Sealer Project**
- **Pavement Patching Project**
- **Streetlight Replacement Project**
- **Aztec Drive Sanitary Sewer Rehabilitation Project**
- **Randy Road Water Main Abandonment Project**

CONTRACTED PROJECT MGMT. SERVICES

List of Possible Projects

- **Pond Shoreline Maintenance Project**
- **Klein & Thunderbird Creeks Flow Obstruction Removal Project**
- **Lies Road Bridge Sediment Removal Project**
- **Old Gary Avenue Sediment Removal Project**
- **Pavement Inventories**
- **Utility Inventories**

**CAPITAL
IMPROVEMENT
PROGRAM**

**ROADWAY
PROJECTS**

Project Title: *Pavement Preventative Maintenance Program*

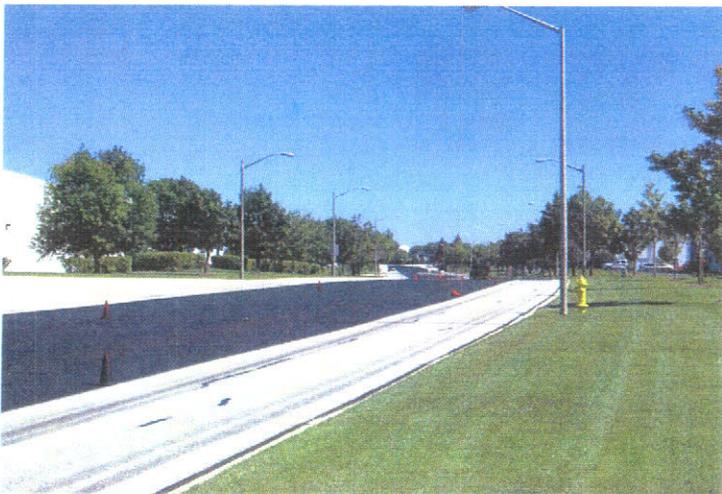
Responsible Department: *Engineering Services & Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,539,000	\$0	\$468,000	\$487,000	\$507,000	\$528,000	\$549,000	\$0

Description & Scope: This Program employs a variety of pavement maintenance methods outside of the scope for the typical full-width milling, resurfacing and reconstruction projects (Flexible Pavement Program). Preventative and restorative sealers with rejuvenating agents will be applied to streets, parking lots and bike paths about every four to five years. A total of \$378,000 has been budgeted for the Pavement Rejuvenation Projects. The Pavement Preventative Maintenance Program also includes the \$60,000 Pavement Patching Project. Based upon annual assessments of streets not scheduled for full-width restoration, this element will provide for partial and full-depth asphalt patching, edge-grinding and resurfacing. The \$30,000 Pavement Marking Project will also be included. Existing faded and deteriorated striping and symbols will be repainted with glass beads.

Purpose & Need: The Flexible Pavement Program addresses large-scale, structural needs through full-width milling and resurfacing. The Pavement Preventative Maintenance Program is designed to extend the life of street surfaces by preserving the pavement integrity through application of preservative and restorative sealers and by delivering structural repairs in small areas where needed. Repainting striping and symbols will provide safer traffic control and warnings for both motorists and pedestrians.

Impact on Future Operating Budget: By arresting small areas of pavement failure and applying rejuvenation materials to extend life, the program will reduce the degree of decline or failure that the annual Flexible Pavement Program must address.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Design	Annually	In House
Construction	5/13 - 4/14	\$468,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Capital Projects Fund	\$468,000

Flexible Pavement Program Project

Street Resurfacing

Aleut Trail – Cul-de-sac to Cul-de-sac
Arrowhead Trail – Thunderbird Tr. to Thunderbird Tr.
Aztec Drive – Mohican Rd. to Ute Ln.
Bradbury Circle – Merbach Dr. to Merbach Dr.
Bristol Drive – Thunderbird Tr. to Windemere Ln.
Brookstone Drive – Morton Rd. to Lies Rd.
Castleton Court – Cul-de-sac to Tacoma Dr.
Chippewa Trail – Aztec Dr. to ‘ East
Cliff View Lane – Brookstone Dr. to High Ridge Pass
Cochise Court – Arrowhead Tr. to Silverleaf Blvd.
Danbury Drive – Windemere Ln. to Thunderbird Tr.
Essex Drive – Thunderbird Tr. to Windemere Ln.
High Ridge Pass – Lies Rd. to Birchbark Tr.
Hillcrest Drive – Brookstone Dr. to Overlook Ln.
Lacrosse Street – Canyon Tr. north to Cul-de-sac
Moccasin Court – Canyon Tr. to Cul-de-sac
Mountain Glen Way – High Ridge Pass to Hillcrest Dr.
Napa Street – Flint Tr. to Niagara St.
Navajo Street – Cul-de-sac to Cul-de-sac
Niagara Street – Flint Tr. to Napa St.
Old Meadow Court - Hillcrest Dr. to Cul-de-sac

Structural Overlay

Alexandra Way – North Ave. to North Ave.
Commerce Drive – St. Paul Blvd. to Kehoe Blvd.
Gerzevske Lane – Kehoe Blvd. to Randy Rd.
Main Place – St. Charles Rd. to Great Western Trail
Pawnee Drive – County Farm Rd. to Morton Rd.
Randy Road – Schmale Rd. to Gerzevske Ln.

Overlook Lane – Waco Dr. to Hillcrest Dr.
Palomino Street – Canyon Tr. to Cul-de-sac
Penfield Drive – Birchbark Tr. to Williamstown Dr.
Pocahontas Trail – Chippewa Tr. to Mohican Rd.
Quincy Court – Birchbark Tr. to Cul-de-sac
Rocky Valley Way – Brookstone Dr. to Westward Tr.
Saratoga Drive – Waco Dr. to Westward Tr.
Shelburne Drive – Thunderbird Tr. to Cul-de-sac
Silverleaf Boulevard – Illini Dr. to Thunderbird Tr.
Sioux Lane – Cochise Ct. to Thunderbird Tr.
Stockbridge Drive – Birchbark Tr. to Williamstown Dr.
Tacoma Drive – Munson Dr. to Birchbark Tr.
Tahoe Court – Munson Dr. to Cul-de-sac
Tama Court – Aztec Dr. to Cul-de-sac
Thunderbird Tr. – Bridge to Arrowhead Tr.
Ute Lane – Aztec Dr. to Chippewa Tr.
Waco Drive – Birchbark Tr. to Brookstone Dr.
Westward Trail – Waco Tr. to Birchbark Tr.
Williamstown Drive – Birchbark Tr. to Longmeadow Dr.
Windemere Lane – Bristol Dr. to Danbury Dr.

Pavement Reconstruction

Lacrosse Street – Canyon Tr. south to Cul-de-sac
Palomino Street – Canyon Tr. to Aleut Tr.
Ohio Court – Canyon Tr. to Cul-de-sac
Saginaw Court – Canyon Tr. to Cul-de-sac
Wapum Court – Canyon Tr. to Cul-de-sac

Fair Oaks Road Pavement Rehabilitation Project



Army
Trail
Road



Lies Road

Fair
Oaks
Road

County
Farm
Road

North Avenue

Indianwood Drive Pavement Reconstruction Project



Kuhn Road Pavement Rehabilitation Project



Lies Road Pavement Rehabilitation Project



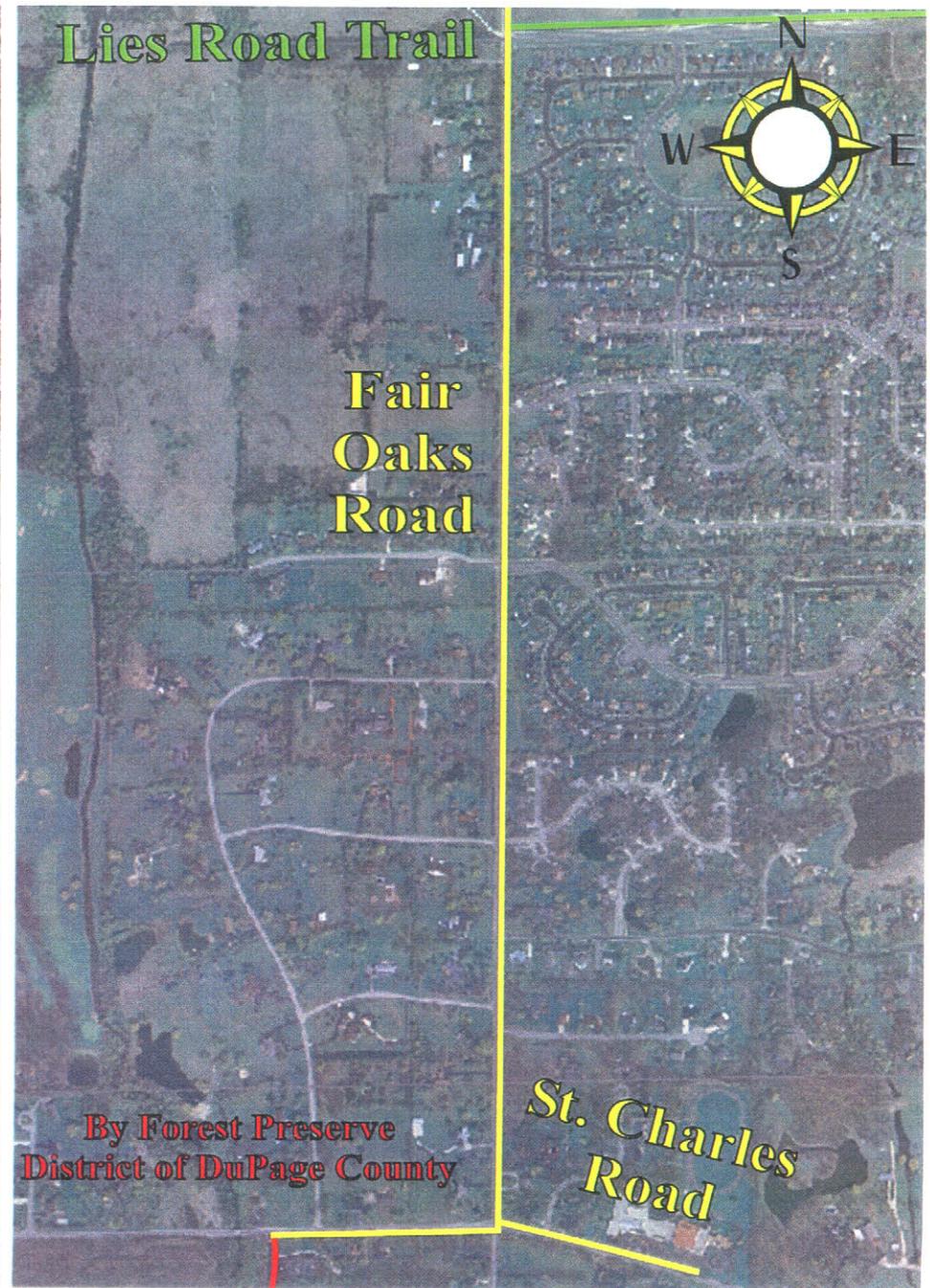
Illini Drive Bridge Deck Replacement Project



Kuhn Road Trail Project



West Branch DuPage River Trail Project



Gary Avenue Improvements Project



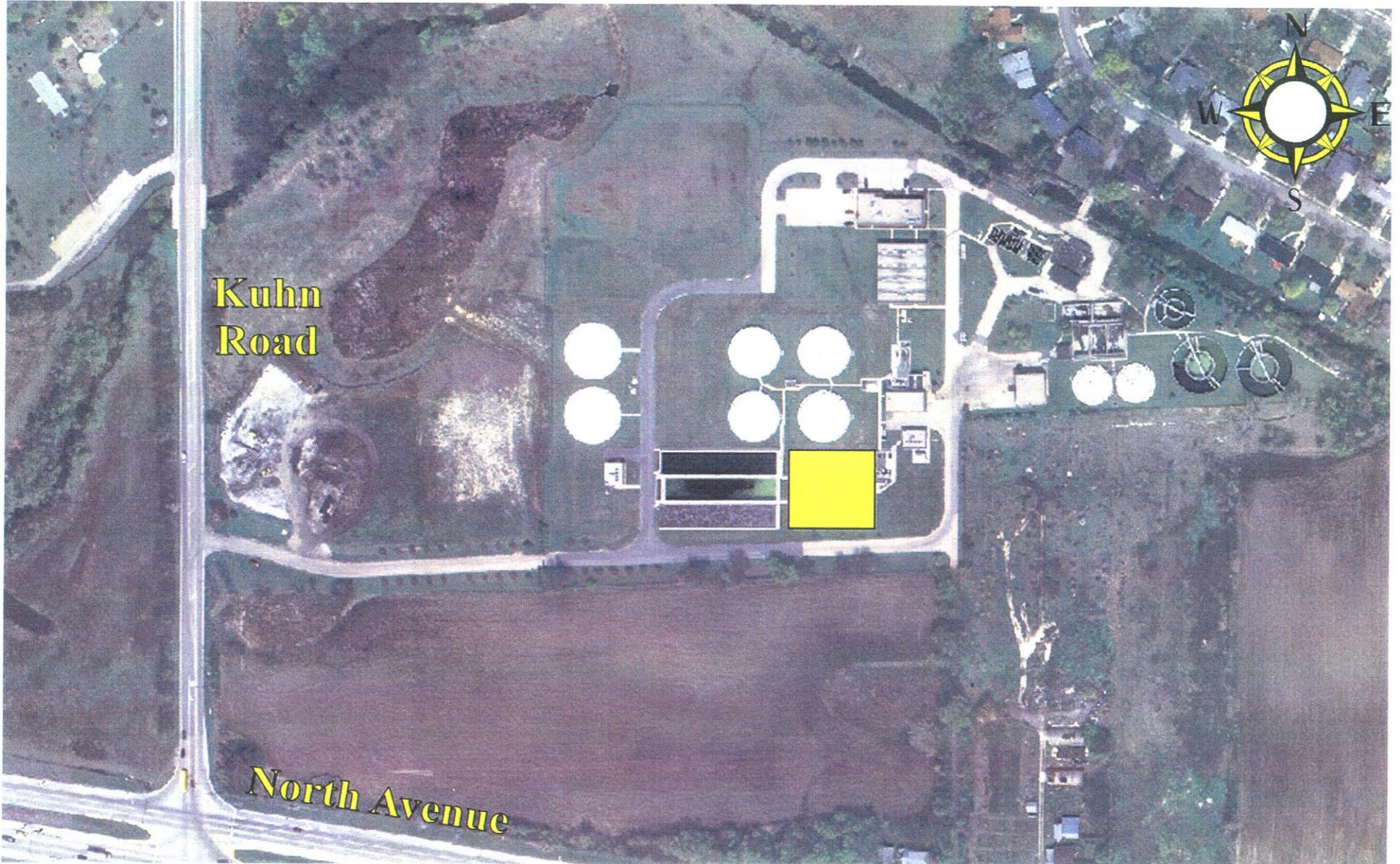
Streetlight Replacement Program Project – Western Trails



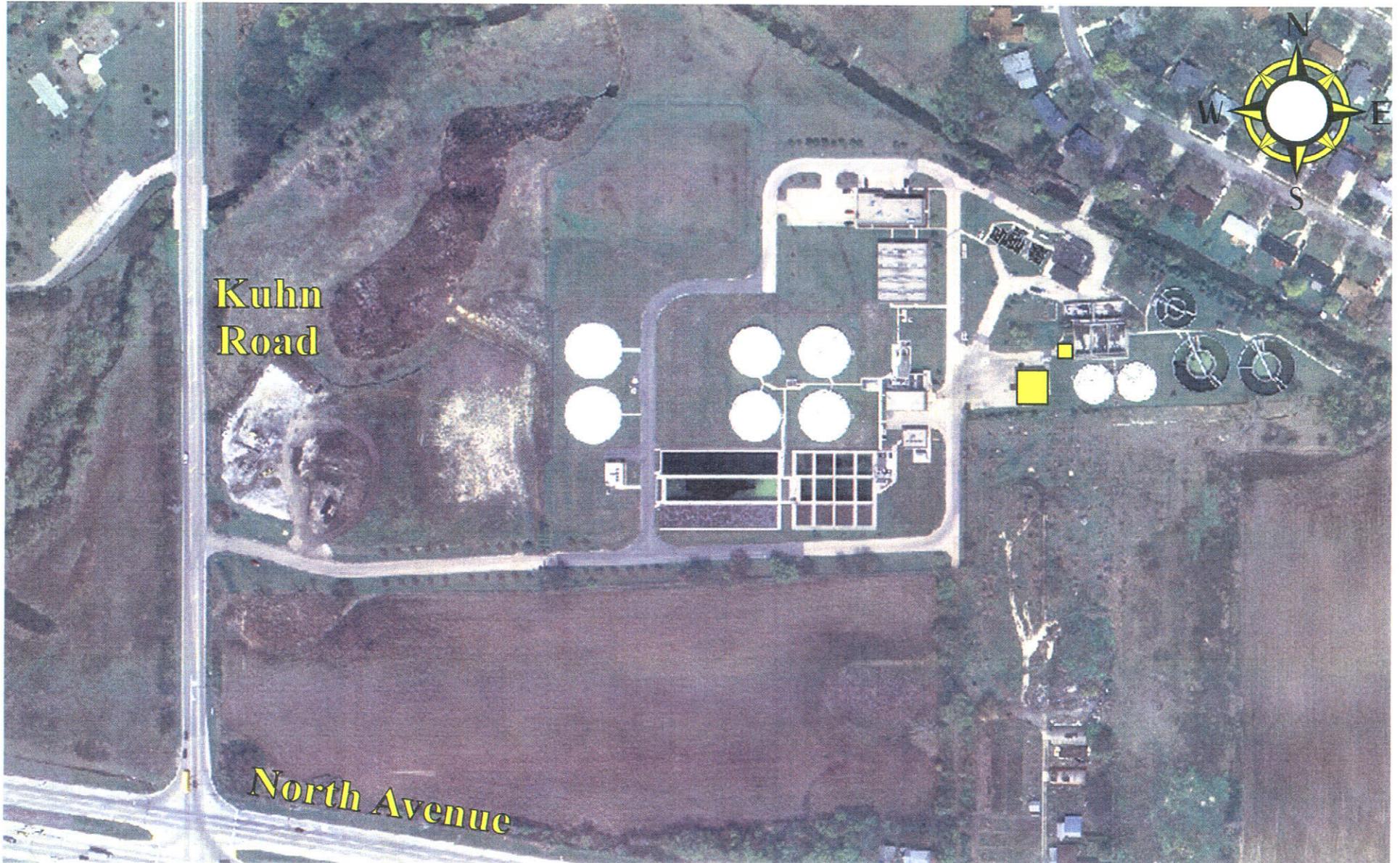
**CAPITAL
IMPROVEMENT
PROGRAM**

**WATER & SEWER
PROJECTS**

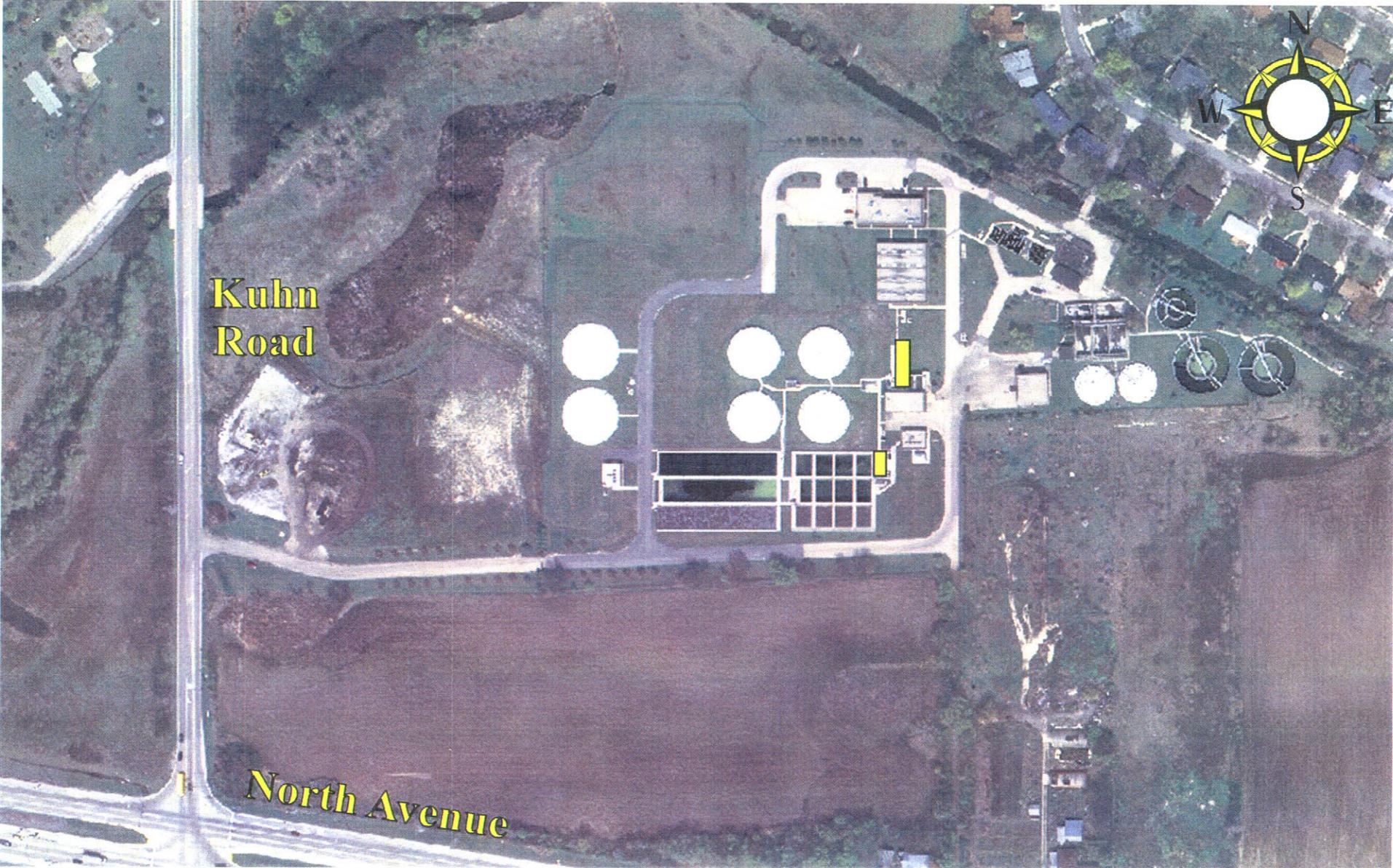
WRC Phase II Aeration System Improvement Project



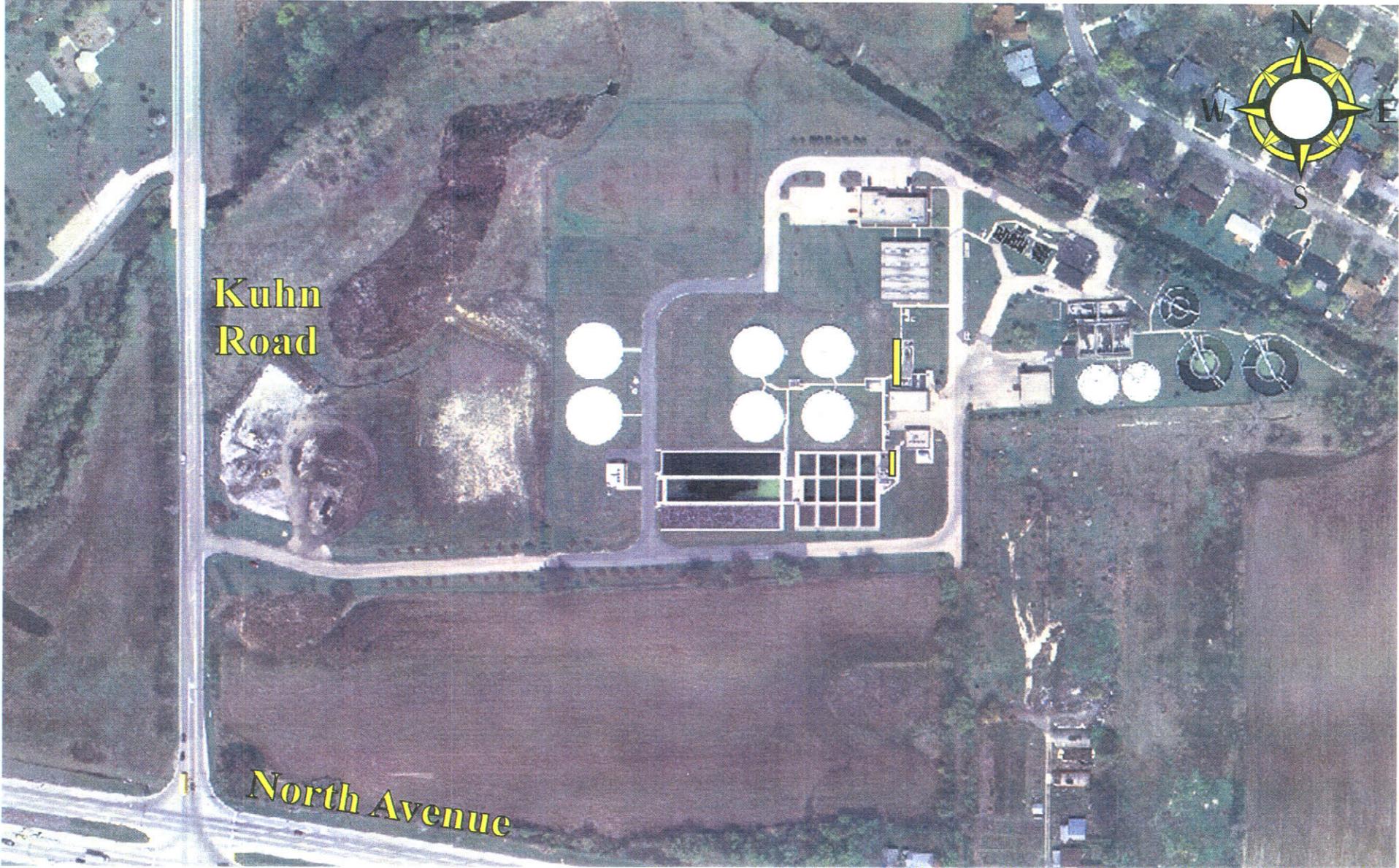
Building Roof Replacement Project - WRC



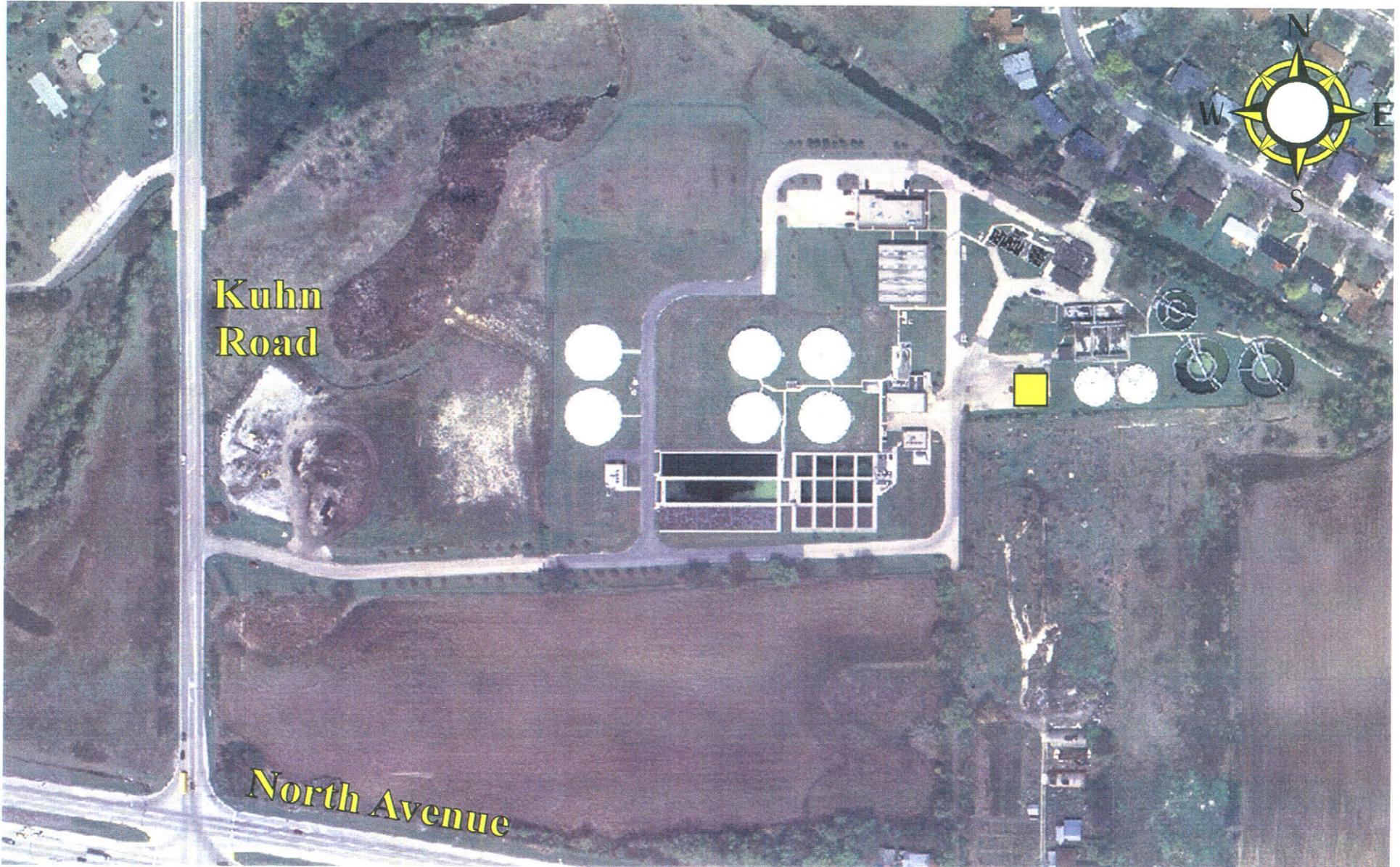
WRC Phase I Pumping Station Improvement Project



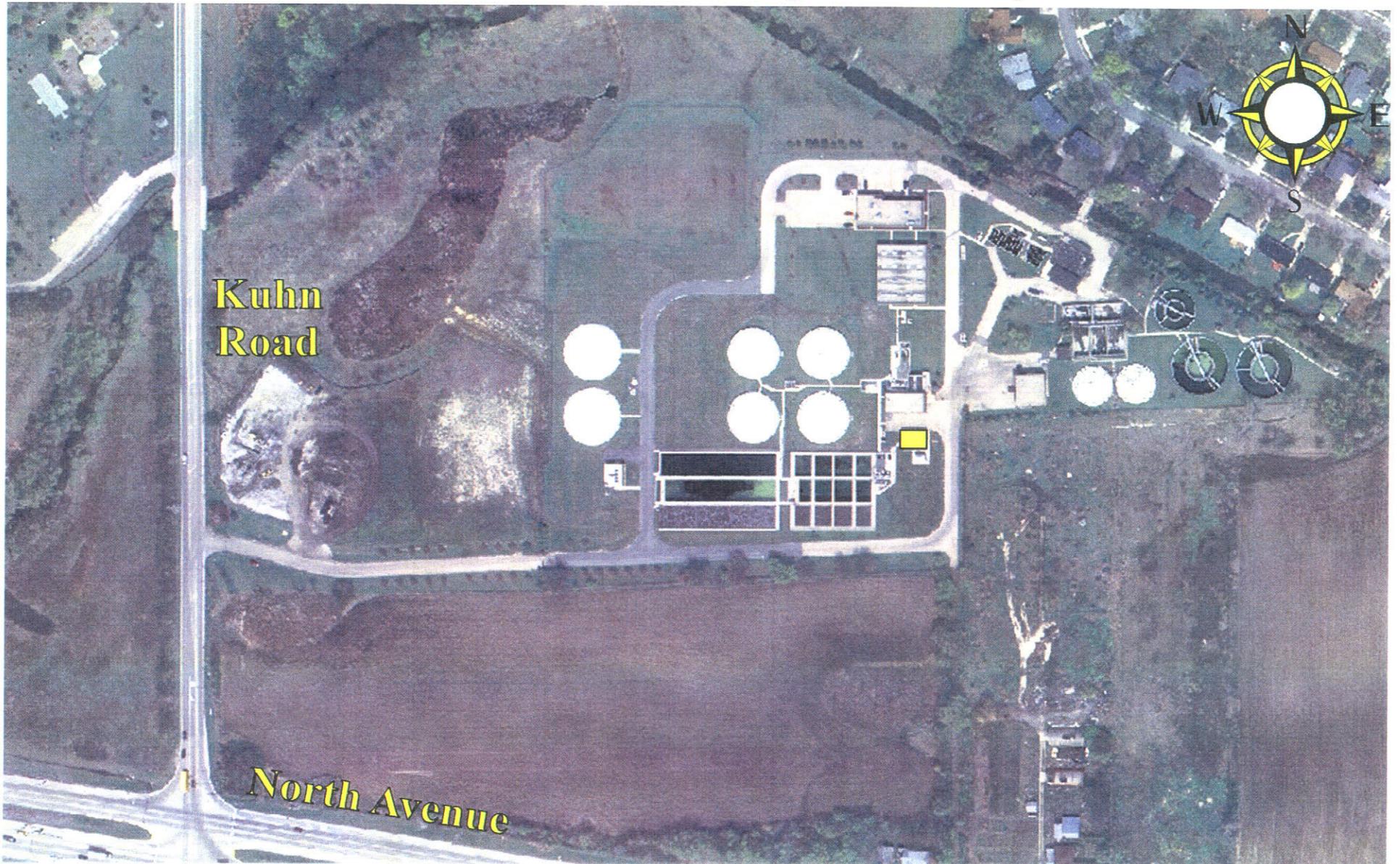
WRC Phase II Pumping Station Improvement Project



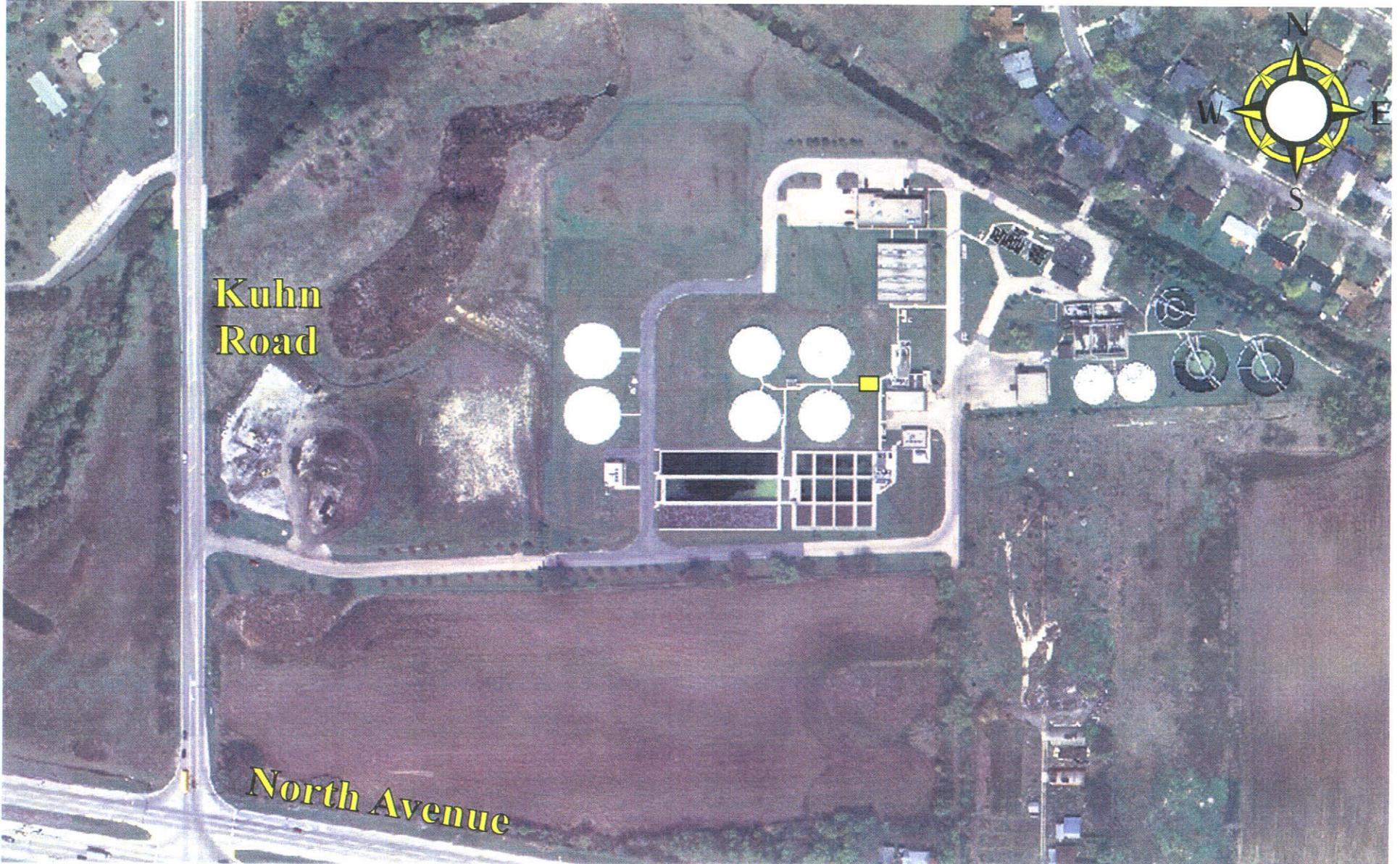
WRC Dewatering System Improvement Project



WRC Blower Motor Drive Replacement Project



WRC WAS Pump Replacement Project



Project Title: GIS Utility System Update & Implementation

Responsible Department: Public Works & Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$140,000	\$0	\$0	\$140,000	\$0	\$0	\$0	\$0

Description & Scope: The first phase would complete the updating and build out of all water, sanitary and storm sewer system mapping features including: pipes, vaults, valves, hydrants and control and storage facilities, manholes, inlets, catch basins, outlets, culverts, best management practices, detention and retention basins, restrictors, pump stations, structures and other appurtenances. An analysis would also be performed to determine how the updated spatial data and existing Public Works databases could be linked. The second phase of the GIS project would complete the link of spatial data and existing data bases for water, storm and sanitary sewer systems.

Purpose & Need: The Village does not have an accurate or complete map of its water, sanitary or storm sewer system. These maps are crucial for performing locates, making repairs, performing maintenance, analyzing components and securing the system in emergencies. The information would be available to field staff for use on site as they perform work on the utility system. The data (and maps) would include information such as the location, age or work history of pipes, structures and other appurtenances.

Impact on Future Operating Budget: A complete GIS atlas of the entire Village utility infrastructure will better enable staff to assess, maintain, manage and control the systems. Use of this information would aid workers in more efficiently making repairs and in limiting scope and duration of service interruptions to customers.



Schedule of Activities

Activity	From - To	Amount
Study	5/14 - 4/15	\$140,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$ 70,000
Capital Projects Fund	\$ 70,000

Project Title: *Water System Studies*

Responsible Department: *Engineering Services & Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$97,000	\$0	\$0	\$0	\$97,000	\$0	\$0	\$0

Description & Scope: Two studies will be performed. The Southwest Area Water & Sanitary Sewer Infrastructure Study identified the need for a reservoir, pumping station and connection to DuPage Water Commission’s trunk line along St. Charles Road to provide adequate fire flow to this area of the Village. The first study will determine when it’s most appropriate for the Village to make these improvements through an analysis of the system. The second study involves a comprehensive asset study of the Village’s entire water system including condition assessments and performance evaluations.

Purpose & Need: A study is required to ascertain the impact of additional connections from the Southwest Water Main extension Project on the fire flow demand before the Village undertakes these two previously mentioned expensive projects. The aging system is experiencing more water main breaks and some functional deficiencies have been observed. The last Village wide water system study was performed in 1988. The current Capital Improvement Program includes several water main replacement projects totaling over \$3 million in the next five years. Staff is proposing suspending those projects in favor of the comprehensive water system analysis. A system wide performance study and condition assessment is needed.

Impact on Future Operating Budget: The first study will give the Village a better indicator as to when future improvements are needed in order to provide adequate fire flows in the southwest area of the Village. The second study will provide a comprehensive condition assessment and performance evaluation of the water system that will allow the Village to better prioritize and target infrastructure maintenance programs and replacement and expansion projects for the next ten years.



Schedule of Activities

Activity	From - To	Amount
Water System Analysis & Asset Study	5/15 - 4/16	\$85,000
SW Water System Study Update	5/15 - 4/16	\$12,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$97,000

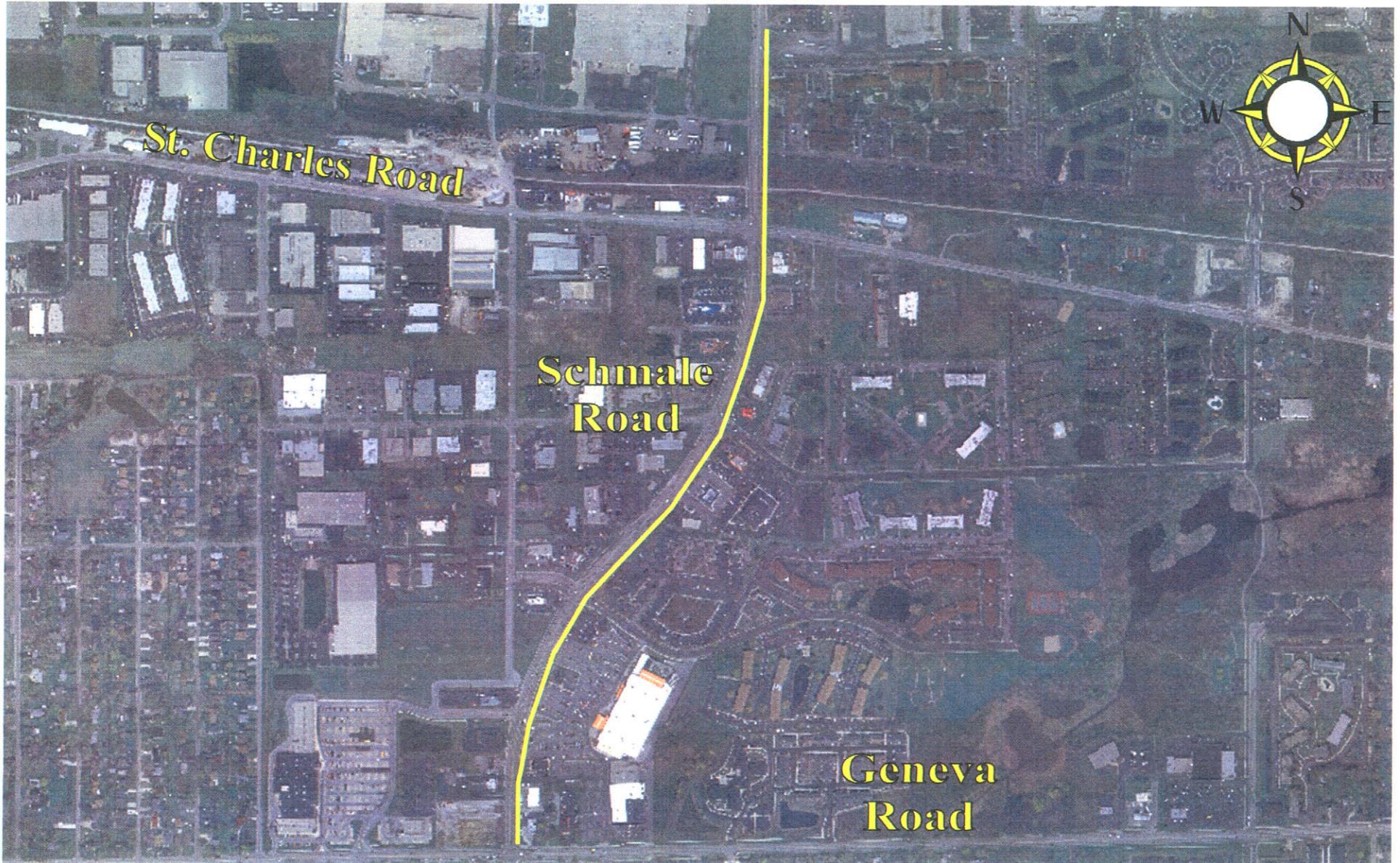
Southwest Reservoir & Pumping Station



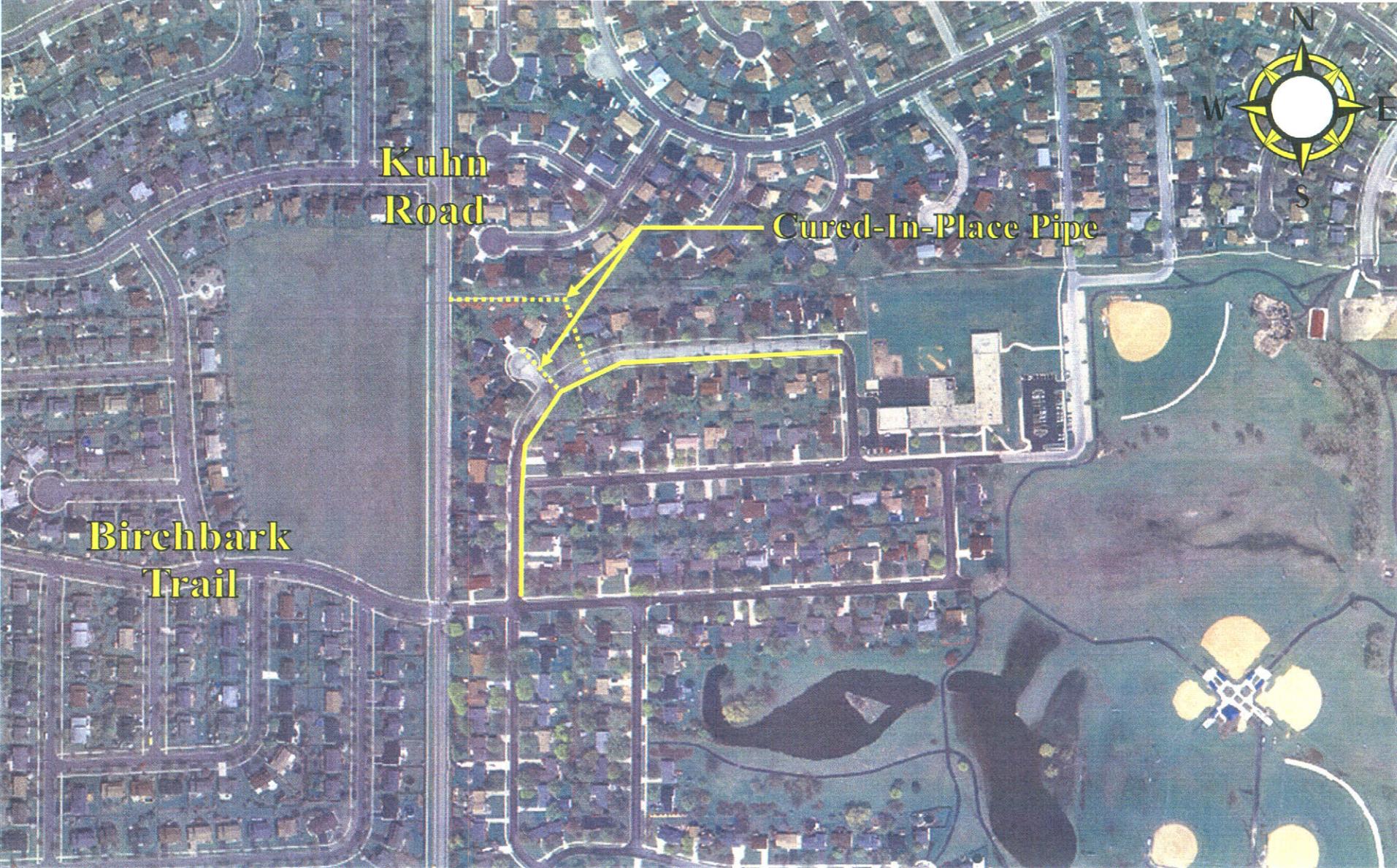
Southwest DuPage Water Commission Connection & Metering Station



Schmale Road Water Main Replacement Project



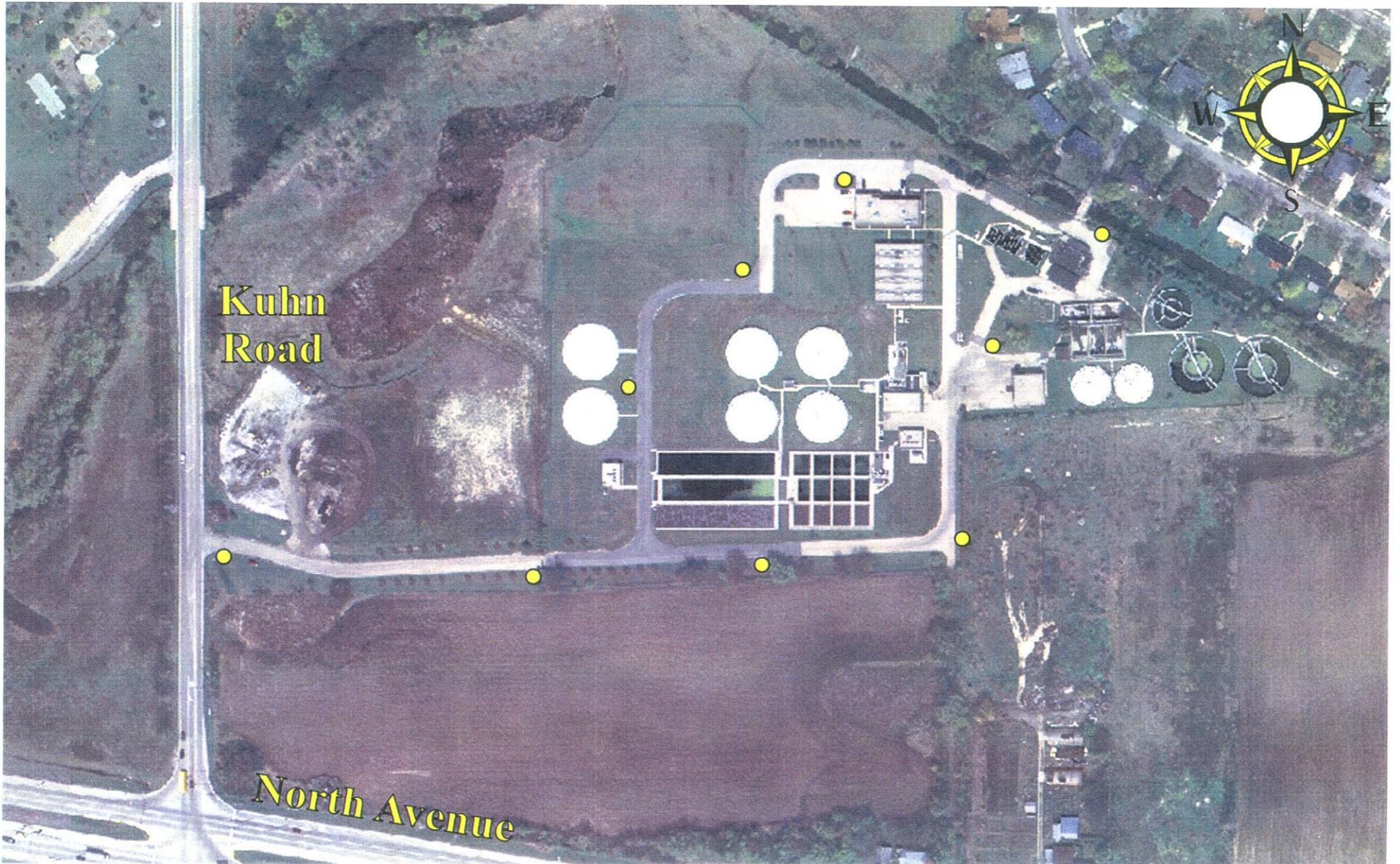
Aztec Drive Sanitary Sewer Replacement Project



Sanitary Sewer I&I Reduction (North Avenue) Project



WRC Streetlight Replacement Project



**CAPITAL
IMPROVEMENT
PROGRAM**

**STORM WATER
PROJECTS**

Klein Creek Flood Plain Structure Phase II Buyout Project



**Kuhn
Road**

**Gary
Avenue**

Southeast Stormwater Study



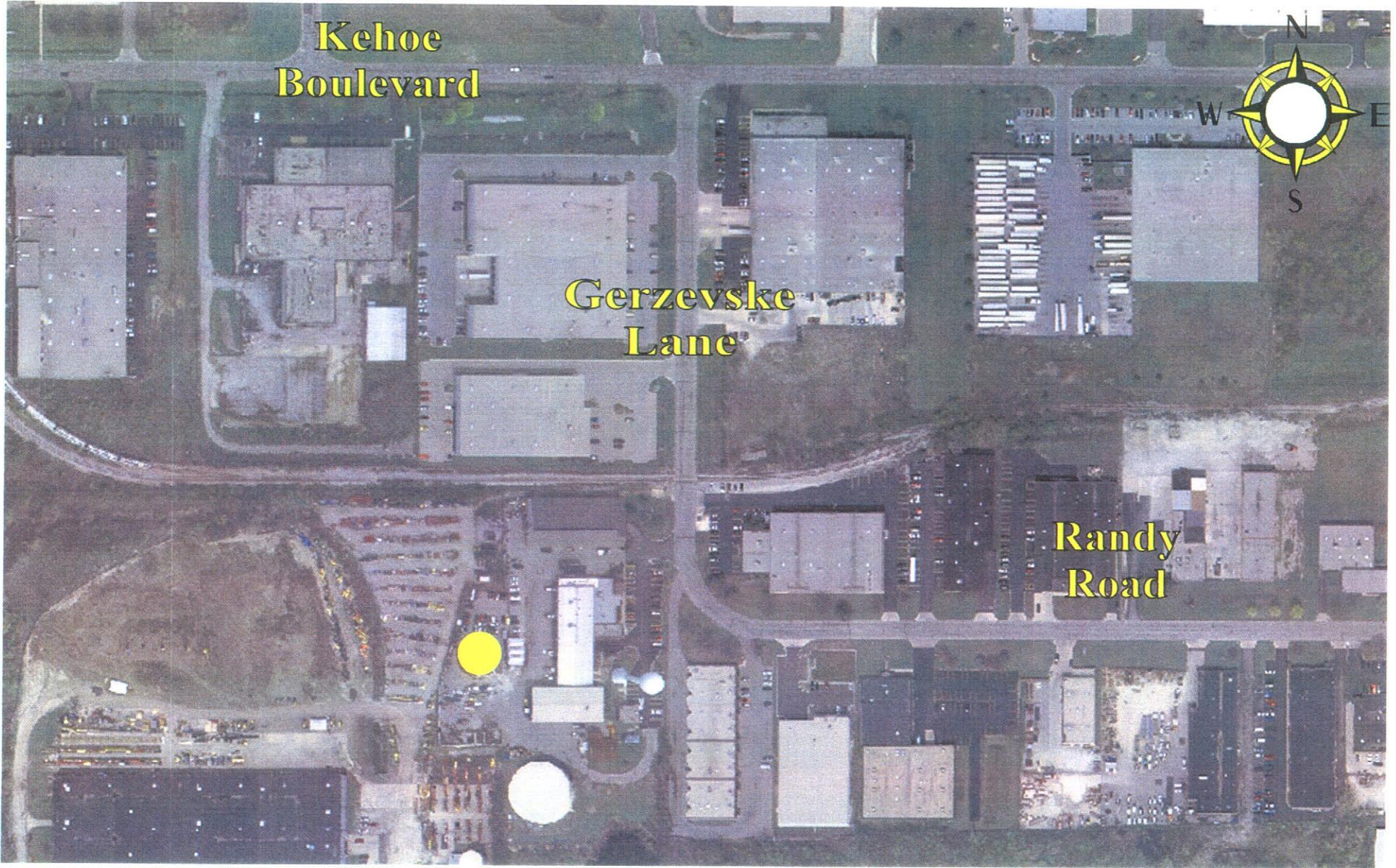
Tubeway & Westgate Stormwater Study



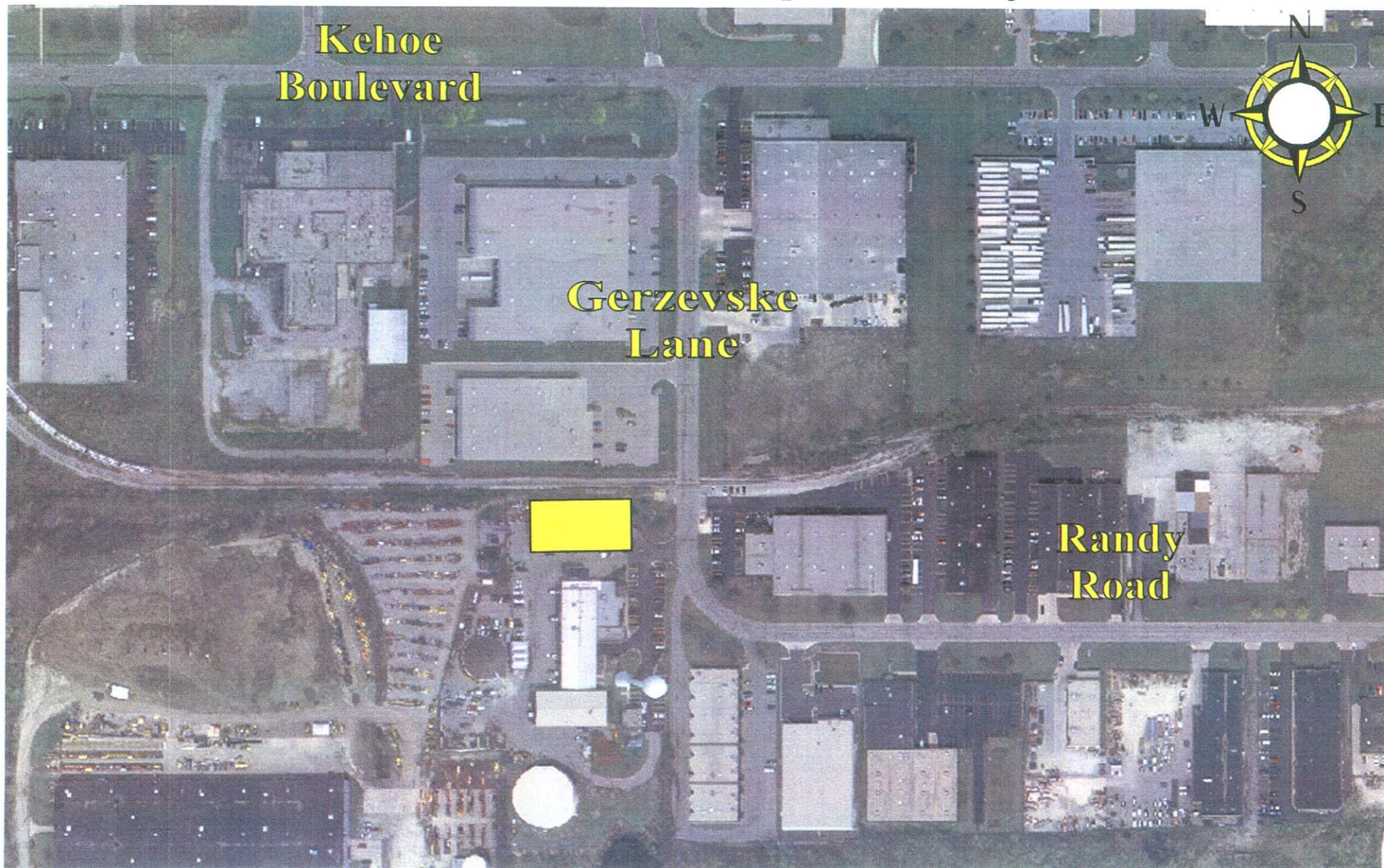
**CAPITAL
IMPROVEMENT
PROGRAM**

**FACILITY
PROJECTS**

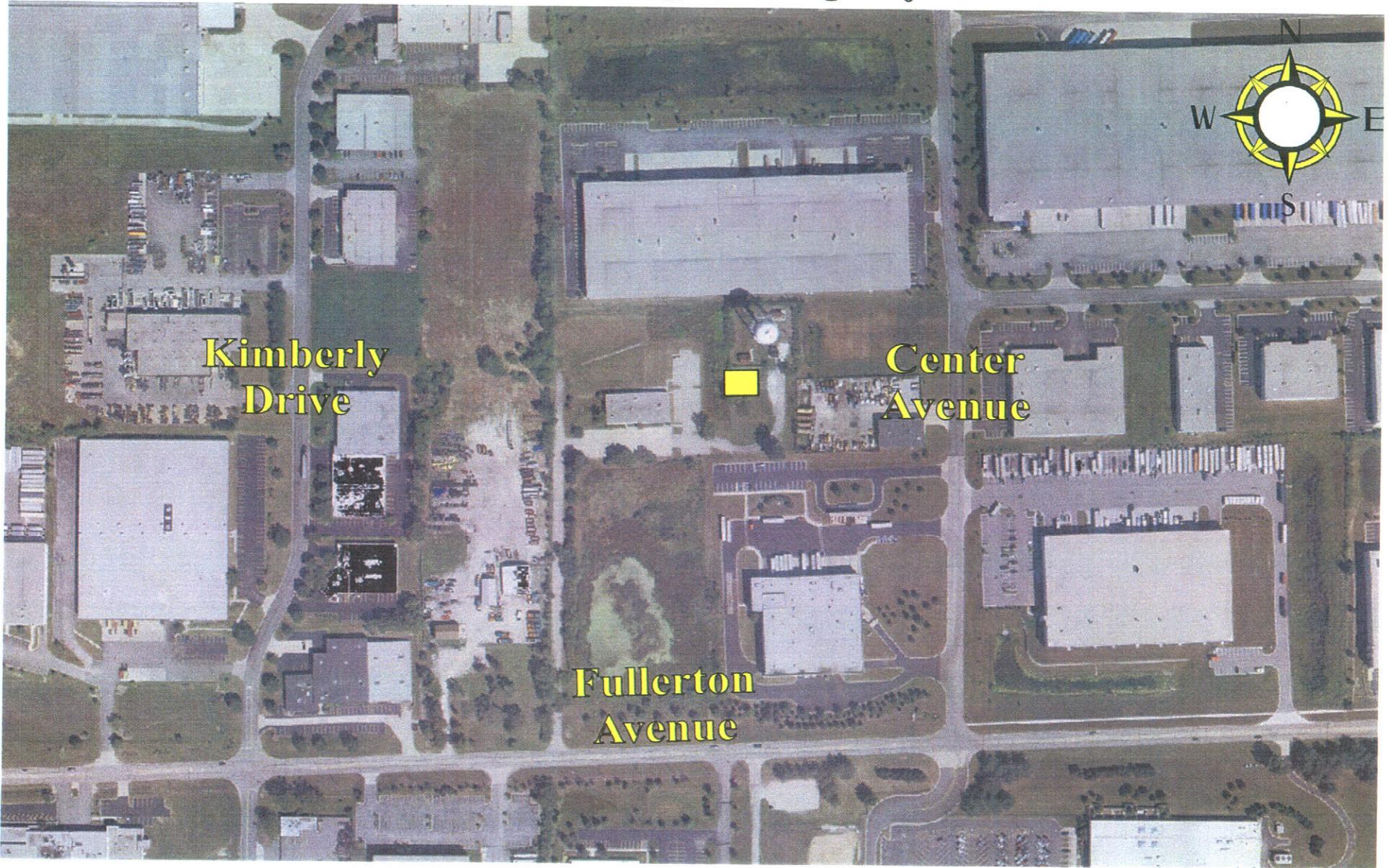
Salt Dome Roof Replacement Project



PWC North Garage Roof Replacement Project



Fullerton Storage Building Project



**REQUESTED
BUT NOT
PROGRAMMED**

**PROJECT
LISTING**

Roadways

Estimated Cost

1. Morton Road Phase I Reconstruction	\$2,040,000
2. Gary Avenue North Bike Path	\$472,000
3. Bus Shelters	\$56,000
4. Morton Road Bike Path	\$2,430,000
5. Kuhn Road North Trail	\$777,000
6. Lies Road East Trail	\$1,261,000
7. Sidewalk Improvements	\$416,000
8. Industrial Park Sidewalks	Yet To Be Determined

Water and Sewer Utilities

Estimated Cost

1. Water Main Replacement Projects	
a. Oswego Drive Water Main	\$1,174,000
b. Kuhn Road Water Main	\$808,000
c. St. Charles Road Water Main	\$838,000
d. Gundersen Drive Water Main	\$1,021,000
e. Thornhill Drive Water Main	\$1,352,000
f. Western Trails Water Main	\$7,871,000
g. Shining Waters Water Main	\$8,973,000
h. Spring Valley Water Main	\$6,399,000
i. Kuhn Road Water – Thunderbird Trail to Munson Drive	\$509,000.
2. Water System Improvements	Yet To Be Determined
3. Wayne Township Water Main Extensions	\$9,000,000
4. Sanitary Sewer I&I Reductions	Yet To Be Determined
5. Sanitary Force Main Replacements	\$414,000

Stormwater Utilities

Estimated Cost

1. Klein Creek Flood Forecast Warning System	\$39,000
2. Carol Stream Venture Flood Control	\$258,000
3. Southeast Storm Water System Improvements	Yet To Be Determined
4. Tubeway Detention Basin Rehabilitation & Improvements	Yet To Be Determined
5. Fullerton & Kimberly Stormwater Study	\$13,000
6. Fullerton & Kimberly Storm Water System Improvements	Yet To Be Determined
7. Flood Plain Structure Buyout Program	\$1,200,000
8. Flood Plain Structure Buyout Lot Enhancement Program	\$786,000
9. Flood Plain Structure Flood Proofing Program	\$2,900,000
10. Stormwater Management Facility (SWMF) Retrofitting Program	\$2M Per Facility
11. TMDL Stream Restoration Program (Klein & Thunderbird Creeks)	\$12,500,000
12. Pond Shoreline Restoration	Yet To Be Determined

Facilities

Estimated Cost

1. Community Park Improvements	Yet To Be Determined
2. Evidence Storage Facility	Yet To Be Determined

**ELEMENT
QUALIFICATION
CRITERIA FOR
PROJECT
INCLUSION**

Element Qualification Criteria for Project Inclusion

The following criteria are to be used for qualifying each infrastructure element for possible inclusion into a project. Only those that meet the criteria, are not correctable by alternative means rather than reconstruction or rehabilitation, may be considered for inclusion.

Drainage Projects

1. Ponding of water or icing four feet or more into the pavement as measured from the pavement edge for a minimum length of five feet twenty-four hours after a significant rainfall event or snow melt.
2. Ponding of water or icing at a sidewalk crosswalk, bus stop, gang mailboxes or other pedestrian paths with a minimum depth of one-half inch or a distance of 5' or greater twenty-four hours after a significant rainfall event or snow melt.
3. Significant water draining across a sidewalk, drive or street, which continues beyond forty-eight hours after a significant rainfall.
4. Overland flow routes that do not function properly.

Sidewalk Projects

1. Joint differential of one inch or more.
2. Those adjacent to curbs requiring depressions.
3. For individual Public works projects any sidewalk spalled (pitted with aggregate showing) cracked or otherwise damaged sidewalk over 50% of the panel. Those adjacent to a street maintenance project will only require 25% of the panel.
4. Generally, any sidewalk humped, dipped or deflected with a change in grade greater than $\pm 10\%$ unless specifically designed for a purpose, i.e. overland flow route drainage.
5. Those sidewalks meeting the drainage requirements as identified above.

Element Qualification Criteria for Project Inclusion

Curb & Gutter Projects

1. Those requiring depressions.
2. For individual Public Works project any curb and gutter spalled (pitted with aggregate showing), cracked or otherwise damaged over 50% of the section. Those adjacent to a street maintenance project will only require 25% of the section.
3. Generally, any curb and gutter humped, dipped or deflected with a change in grade greater than $\pm 10\%$ unless specifically designed for a purpose, i.e. drainage.
4. Curb and gutter sections being rehabilitated that are adjacent to aprons may also require apron removal and replacements. In those instances where apron removal is necessary, the apron shall be removed and replaced to the next closest joint or sawn edge for concrete aprons and an eighteen-inch minimum width required for reconstruction of bituminous aprons. Only broom finished concrete and bituminous aprons or ribbons will be replaced by the Village. All aprons or ribbons constructed with other materials including but not limited to stamped concrete, colored concrete, stamped asphalt, colored asphalt, brick pavers, exposed aggregate or California style finishes.

**REVIEW OF
THE MAJOR
CHANGES
MADE IN
5 YEAR CIP**

MAJOR PLAN CHANGES TO FIVE YEAR CIP

Plan Recommendation Changes

- **Aggressively Reduce the Roadway Backlog**
- **Shift All Road Material & Other Costs From MFT Fund to Operating GCF**
- **Utilize MFT Fund for Only Fiberized Crackfill Project and Flexible Pavement Project When Balance is Sufficient**
- **GIS Utility System Update & Implementation – Delayed 2 Years**
- **Water System Study – Delayed 2 Years**

MAJOR PLAN CHANGES TO FIVE YEAR CIP

Plan Recommendation Changes

- **Aztec Drive Sanitary Sewer Replacement – Delayed 2 Years**
- **Sanitary Sewer I&I Reductions – Delayed 2 Years**
- **Southeast Stormwater Study – Delayed 1 Year**
- **Tubeway & Westgate Stormwater Study – Delayed 1 Year**
- **Add Consultant Project Management Services**

Project Title: *Pavement Preventative Maintenance Program*

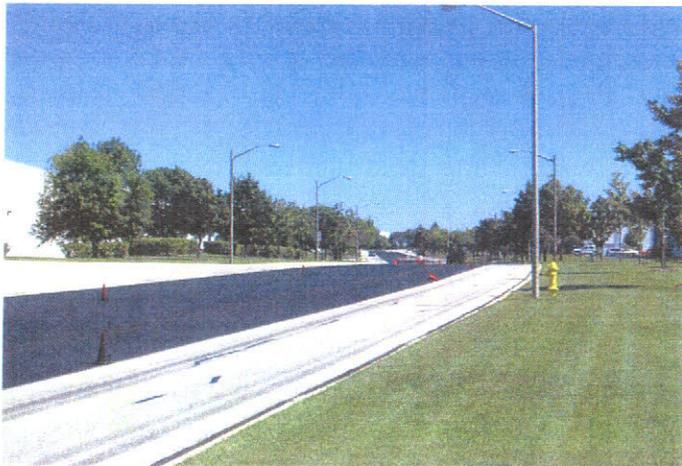
Responsible Department: *Engineering Services & Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,539,000	\$0	\$468,000	\$487,000	\$507,000	\$528,000	\$549,000	\$0

Description & Scope: This Program employs a variety of pavement maintenance methods outside of the scope for the typical full-width milling, resurfacing and reconstruction projects (Flexible Pavement Program). Preventative and restorative sealers with rejuvenating agents will be applied to streets, parking lots and bike paths about every four to five years. A total of \$378,000 has been budgeted for the Pavement Rejuvenation Projects. The Pavement Preventative Maintenance Program also includes the \$60,000 Pavement Patching Project. Based upon annual assessments of streets not scheduled for full-width restoration, this element will provide for partial and full-depth asphalt patching, edge-grinding and resurfacing. The \$30,000 Pavement Marking Project will also be included. Existing faded and deteriorated striping and symbols will be repainted with glass beads.

Purpose & Need: The Flexible Pavement Program addresses large-scale, structural needs through full-width milling and resurfacing. The Pavement Preventative Maintenance Program is designed to extend the life of street surfaces by preserving the pavement integrity through application of preservative and restorative sealers and by delivering structural repairs in small areas where needed. Repainting striping and symbols will provide safer traffic control and warnings for both motorists and pedestrians.

Impact on Future Operating Budget: By arresting small areas of pavement failure and applying rejuvenation materials to extend life, the program will reduce the degree of decline or failure that the annual Flexible Pavement Program must address.



Schedule of Activities

Activity	From - To	Amount
Design	Annually	In House
Construction	5/13 - 4/14	\$468,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$468,000

Project Title: Flexible Pavement Program

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$16,793,000	\$0	\$3,325,000	\$2,452,000	\$3,124,000	\$3,850,000	\$4,042,000	\$0

Description & Scope: This is an annual project that involves either a 2” maintenance overlay (resurfacing), a 2.75” structural overlay or total removal and replacement (pavement reconstruction) of the asphalt pavement section (binder and surface). Curb and gutter, sidewalk and driveway removal and replacement as well as pipe under drainage, street and structure patching are included with these projects if the conditions meet Village criteria. Due to a dwindling CIP balance and no reliable funding source resurfacing, structural overlay and pavement reconstruction projects were reduced 54% during the past two years. This has greatly increased the backlog of streets in fair to poor or failed condition from 22 in 2008 to 95 in 2011. Therefore, it was decided to restore these projects back to their original levels.

Purpose & Need: The Village uses the Roadway Management System (RMS) Study to develop its annual roadway management program. Streets are inventoried and a pavement condition index (PCI) is calculated for each street section. This PCI along with other factors assist engineers in evaluating maintenance/repair strategies and prioritizing street projects. As pavements continue to age they come to a point of deterioration where crackfill and rejuvenation maintenance strategies no longer become effective. At that time they are considered for resurfacing or a structural overlay. When the pavement has deteriorated beyond the point where a resurfacing operation is effective, pavement reconstruction is then considered. This type of operation is typical for severely deteriorated streets.

Impact on Future Operating Budget: These operations will improve the structural integrity of the pavement, its rideability and drainage of the pavement surface as well as extend its useful pavement life. It will also reduce future maintenance repair costs. Normal maintenance operations, preservative sealing and crack filling, will be performed.



Schedule of Activities

Activity	From - To	Amount
Design	Annually	In House
Construction	5/13 - 4/14	\$3,325,000

Means of Financing

Funding Source	Amount
Motor Fuel Tax Fund (FY14)	\$3,325,000
Capital Projects Fund (FY15-18)	

Project Title: Fair Oaks Road Pavement Rehabilitation

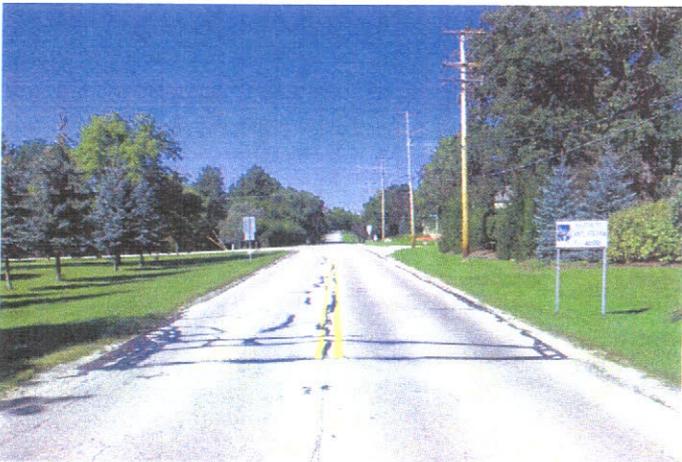
Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$846,000	\$629,000	\$217,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: This project encompasses almost all of Fair Oaks Road from Plum Grove Court to North Avenue. The Village previously totally reconstructed the roadway from Army Trail Road to Plum Grove Court. Total project length is 8,860 feet. Originally the project called for the total reconstruction of 1.18 miles of roadway, the addition of storm sewers, drainage ditches and streetlights as well as grading for a future bike trail. However, due to projected future CIP budget shortfalls the scope of the projected has been modified to save money. The new design will only involve the reconstruction of the pavement section. A new full depth roadway will be constructed with roadside ditches to keep in concert with the existing rural feel. The project will not include curb and gutter, sidewalks, storm sewers, streetlights or the regrading of ditches.

Purpose & Need: The pavement had a PCI of 66, indicating the need for rehabilitation. It was a chip and seal road with a bituminous overlay. It is beyond its useful life and the pavement needs to be reconstructed. Fair Oaks Road has an average daily traffic (ADT) of 5,337 vehicles per day (VPD) and is a Federal Aid Urban System (FAUS) route with sections in both the Village and the Wayne Township Road District (WTRD). The Village has obtained \$611,800 in Local Agency Pavement Preservation (LAPP) funding via the Surface Transportation Program (STP) administered through the Federal Highway Administration (FHWA).

Impact on Future Operating Budget: Reconstruction of the asphalt roadway will economically provide a new pavement structure and will lessen maintenance repair costs. Normal maintenance operations, preservative sealing and crack filling, will be performed.



Schedule of Activities

Activity	From - To	Amount
Design	5/11 - 4/12	\$ 41,000
Construction	5/12 - 4/14	\$805,000

Means of Financing

Funding Source	Amount
Wayne Township Road District	\$143,000
LAPP	\$541,000
Capital Projects Fund	\$162,000

Project Title: Indianwood Drive Pavement Reconstruction

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$204,000	\$0	\$140,000	\$64,000	\$0	\$0	\$0	\$0

Description & Scope: The entire pavement section consisting of a 6” Bituminous Asphalt Material (BAM) course, 2” binder course and 1½” surface course on 1,700 feet of Indianwood Drive for half the pavement width will be totally replaced as a patch in FY14. In FY15 after DuPage County has finished their \$5.12M Armstrong Park Flood Control Reservoir and Siphon Projects the Village will resurface all the streets in this area including Indianwood Drive. Approximately 290 feet of curb and gutter will also be replaced.

Purpose & Need: DuPage County will be constructing a 60” diameter siphon relief sewer along the centerline of Indianwood Drive to drain the new 115 acre-foot flood control facility being built in Armstrong Park. This will require the total removal and replacement of the asphalt pavement for approximately half the street width as well as an overlay in the following year. The overlay will be incorporated into the FY15 Flexible Pavement Program. Per the intergovernmental agreement with DuPage County and the Carol Stream Park District the Village is responsible for the restoration of the asphalt pavement.

Impact on Future Operating Budget: Replacing the entire pavement section with a perpetual pavement design will significantly reduce future maintenance repair costs and greatly extend the pavement life. Normal maintenance operations, preservative sealing and crack filling, will be performed.



Schedule of Activities

Activity	From - To	Amount
Design – In House/DuPage County	5/12 - 10/14	\$ 0
Construction	11/13 - 4/15	\$204,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$204,000

Project Title: *Kuhn Road Pavement Rehabilitation*

Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$1,154,000	\$0	\$52,000	\$62,000	\$1,040,000	\$0	\$0	\$0

Description & Scope: The upper 2 ½” asphalt surface course on 8,900 feet of Kuhn Road will be removed and replaced with asphalt leveling binder and surface courses. Full depth patching will be performed at severely deteriorated locations. The entire pavement surface will receive area reflective crack control treatment prior to placement of the surface course. Deteriorated driveways, storm sewer structures as well as curb and gutter sections will be repaired in accordance with Village criteria. The project limits are from Lies Road to North Avenue.

Purpose & Need: The ADT for Kuhn Road is over 8,600 VPD. This major collector serves a large residential section of Carol Stream. Although currently the two pavement sections have a PCI of 72 and 72, the roadway surface is deteriorating to the point where another structural overlay will be necessary in 5 years. Typically overlays are performed every fifteen years. The pavement has received one structural overlay in 1998. The existing overlay will be fourteen years old when it is replaced in 2012. Replacing the surface course will extend the pavement life, improve rideability and reduce maintenance costs. The Village has obtained \$728,000 in LAPP funding.

Impact on Future Operating Budget: Replacing the wearing surface course will extend the pavement life and reduce maintenance repair costs. Normal maintenance operations, preservative sealing and crack filling, will be performed.



Schedule of Activities

Activity	From - To	Amount
Design	5/13 - 4/14	\$ 52,000
Construction	5/14 - 4/16	\$1,102,000

Means of Financing

Funding Source	Amount
LAPP	\$728,000
Capital Projects Fund	\$426,000

Project Title: *Lies Road Pavement Rehabilitation*

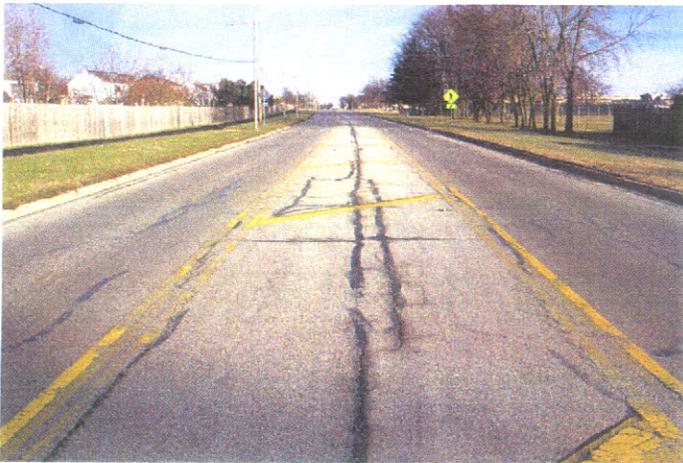
Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$642,000	\$0	\$0	\$29,000	\$35,000	\$578,000	\$0	\$0

Description & Scope: This project involves the 2,850 foot section of Lies Road from Kuhn Road to County Farm Road. As with the Kuhn Road Pavement Rehabilitation Project, the upper 2 ½” asphalt surface course will be removed and replaced with asphalt leveling binder and surface courses. Full depth patching will be performed at severely deteriorated locations. The entire pavement surface will receive area reflective crack control treatment prior to placement of the surface course. Deteriorated driveways, storm sewer structures as well as curb and gutter sections will be repaired in accordance with Village criteria.

Purpose & Need: The current ADT for Kuhn Road is 9,900 VPD with a projected ADT of 11,000 VPD in 2040. This major collector also serves a large residential section of Carol Stream. The PCI is only 12 indicative of a failed condition. However, this rating was based on no crackfill or rejuvenation measures performed on the surface which would’ve increased its rating. Replacing the surface course will extend the pavement life, improve rideability and reduce maintenance costs. Next year the Village will be applying for \$289,000 in LAPP funding. If funding isn’t obtained, the project will be incorporated into the Flexible Pavement Program.

Impact on Future Operating Budget: Replacing the wearing surface course will extend the pavement life and reduce maintenance repair costs. Normal maintenance operations, preservative sealing and crack filling, will be performed.



Schedule of Activities

Activity	From - To	Amount
Design	5/14 - 4/15	\$ 29,000
Construction	5/15 - 4/17	\$613,000

Means of Financing

Funding Source	Amount
LAPP	\$289,000
Capital Projects Fund	\$353,000

Project Title: Illini Drive Bridge Replacement

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$936,000	\$0	\$92,000	\$844,000	\$0	\$0	\$0	\$0

Description & Scope: The project consists of removing the existing roadway, Spancrete bridge deck panels and abutments and installing a new cast-in-place or precast concrete structure. The roadway including the street, sidewalk and railings will also be replaced. The roadway will be totally closed at the structure to shorten the construction schedule. A traffic detour will be provided throughout the project.

Purpose & Need: The original bridge was constructed in 1973. A September 2009 bridge inspection revealed several deck panels have showed signs of seepage and delamination with cracking in the abutments. This type of deterioration is similar to what the Thunderbird Trail bridge experienced before a panel failed forcing a partial road closure. The 2011 bridge inspection has since identified the failure of one deck beam and a failed repair on another deck beam. Erosion is occurring behind each wing wall with seepage between the deck beams and abutments at isolated locations. This year the Illinois Bureau of Bridge and Structures performed a weight limit evaluation which required the Village to impose an 18 ton weight limit restriction on the bridge. Special Feature Inspections must also be performed every six months.

Impact on Future Operating Budget: Replacement of the bridge will reduce future bridge maintenance and repair work. It will also help protect undermining and failure of the roadway. Normal maintenance will be performed as needed and the bridge will be inspected biennially by a certified bridge inspector as required by IDOT.



Schedule of Activities

Activity	From - To	Amount
Design	5/13 - 4/14	\$ 92,000
Construction	5/14 - 4/15	\$844,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$936,000

Project Title: Kuhn Road Trail

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$789,000	\$696,000	\$93,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: A 10-foot wide, 2.3 mile long bituminous shared-use path has been constructed on the west side of Kuhn Road from Lies Road to Barbara O’Rahilly Volunteer Park where it connects into the Park District’s trail that extends south Through Redhawk Park to a connection with the Great Western Trail. The Village has accepted the improvements and is waiting final invoicing from IDOT.

Purpose & Need: The purpose and need for this project is to construct a multi-use facility that will connect local and regional trail systems. This path will enable residents easy access to the Illinois Prairie Path via the Great Western Trail. It will also link to the Lies Road Path that accesses the West Branch Forest Preserve, Simkus Center, 13 parks, 6 schools, 2 churches, a proposed commercial area as well as the Village’s Town Center. The Village has received \$626,000 from the FHWA Surface Transportation Program (STP) Transportation Control Measure (TCM) Program and \$373,000 from the FHWA Congestion Mitigation Air Quality (CMAQ) Program and \$100,000 from a Department of Commerce and Economic Opportunity (DCE)) Legislative Grant.

Impact on Future Operating Budget: This new asphalt path will require minimal maintenance initially. As the path ages and deteriorates more maintenance and rehabilitation will become necessary.



Schedule of Activities

Activity	From - To	Amount
Design Study & Final Engineering	5/08 - 4/12	\$258,000
ROW Acquisition	5/09 - 4/12	\$ 14,000
Construction	5/12 - 4/13	\$517,000

Means of Financing

Funding Source	Amount
FHWA STP-TCM Grant - Construction	\$330,000
FHWA CMAQ Grant – Design & Construction	\$278,000
DCEO Legislative Grant	\$100,000
Carol Stream Park District	\$ 9,000
Capital Projects Fund	\$ 72,000

Project Title: West Branch DuPage River Trail

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,329,000	\$205,000	\$134,000	\$147,000	\$1,411,000	\$432,000	\$0	\$0

Description & Scope: The proposed project includes a 10' wide bituminous path 13,000 feet along the east side of Fair Oaks Road from Oxford Drive to St. Charles Road, west to the West Branch of the DuPage River. It also includes a spur along the north side of St. Charles Road from Fair Oaks Road to Benjamin Middle School. This project now includes the Fair Oaks Road Bike Path Project as well since the Village has received STP-TCM Program and Illinois Transportation Enhancement Program (ITEP) grants that included both sections. It is a jointly funded project involving the Village, WTRD and the Forest Preserve District of DuPage County (FPDDC).

Purpose & Need: Pedestrians, bicyclists and joggers have used the roadway as a path. The FPDDC has constructed a trail head with a parking facility just north of Lies Road on the west side of Fair Oaks Road. They have requested use of Village right-of-way to extend their West Branch Regional Trail System south to St. Charles Road and then west to the River where it will eventually connect with the Great Western Trail and the Illinois Prairie Path. Once constructed, this path will provide access to these trails/paths and other regional systems.

Impact on Future Operating Budget: This new asphalt path will require minimal maintenance initially. As the path ages and deteriorates more maintenance and rehabilitation will become necessary.



Schedule of Activities

Activity	From - To	Amount
Design Study & Final Engineering	5/10 - 4/14	\$ 373,000
Right of Way Acquisition	5/12 - 4/14	\$ 100,000
Construction	5/14 - 4/15	\$1,856,000

Means of Financing

Funding Source	Amount
Forest Preserve District	\$ 246,000
Wayne Township Road District	\$ 174,000
FHWA STP-TCM Grant – Construction	\$1,296,000
IDOT ITEP Grant – Design Study & Final Engineering	\$ 438,000
Capital Projects Fund	\$ 175,000

Project Title: Gary Avenue Improvements

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$117,000	\$0	\$0	\$100,000	\$0	\$17,000	\$0	\$0

Description & Scope: This project is the Village’s contribution towards two DuPage County projects: Gary Avenue Improvement and Gary Avenue Multi-Use Path Projects. The \$6.425M Improvement Project consists of resurfacing and widening Gary Avenue to a five lane section along with the addition of right turn lanes, curbs and gutters, storm sewers, traffic signal modernization and improvements to accommodate the future multi-use path. The Village is contributing \$100,000 towards this project. The \$3.05M Multi-Use Path Project entails the construction of a 10’ wide asphalt multi-use path along the west side of Gary Avenue from the Great Western Trail to Army Trail Road continuing west to Brighton Drive. It also includes the continuation of the existing ten-foot wide asphalt bike path along the north side of Lies Road to the Gary Avenue intersection. The Fountains at Town Center development contributed approximately \$17,000 for these costs. DuPage County received a \$1,875,000 STP-TCM Program grant and has responsibility for the remaining \$1,158,000 as the lead agency.

Purpose & Need: Numerous pedestrians and bicyclists have been observed traveling along Gary Avenue with an existing ADT of 19,700 to 27,700 VPD. There are also numerous destinations that exist along the Gary Avenue corridor such as the Village Hall, Town Center, proposed Park District Recreation Center, offices, businesses and residential neighborhoods. Future extensions are planned to bring the path north to Stratford Square Mall and eventually connecting into paths to the North DuPage Regional Trail.

Impact on Future Operating Budget: This new asphalt path will be the Village’s responsibility to maintain, but will require minimal maintenance initially. As the path ages and deteriorates more maintenance and rehabilitation will become necessary.



Schedule of Activities

Activity	From - To	Amount
Gary Avenue Construction	5/14 - 4/15	\$100,000
Multi-Use Path Construction	5/16 - 4/17	\$ 17,000

Means of Financing

Funding Source	Amount
Developer Contributions	\$ 17,000
Capital Projects Fund	\$100,000

Project Title: *Streetlight Replacement Program*

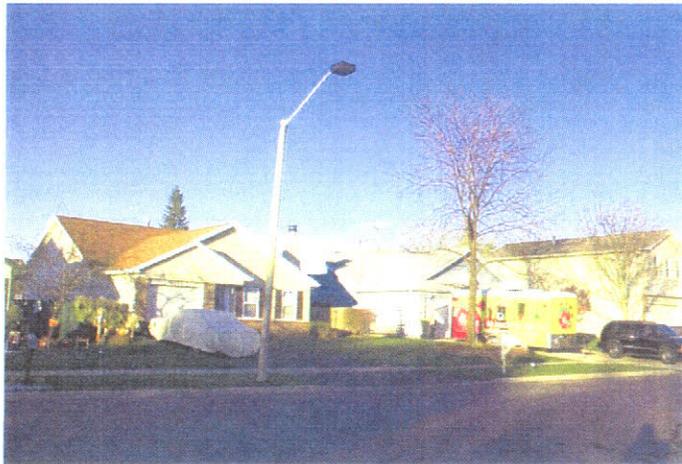
Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$325,000	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: The project involves the replacement of approximately 50 to 60 deteriorated concrete streetlight poles with standard aluminum poles with screw-in bases and LED light fixtures, along with the complete replacement of conduit, cabling and controllers.

Purpose & Need: The Village has over 1,000 concrete poles in inventory, many of which are exhibiting signs of deterioration. In addition, other elements are in need of repair such as deteriorated wiring, inadequate controls, photoelectric components and pole anchors. The LED light fixtures will also provide better, cleaner lighting.

Impact on Future Operating Budget: Replacing the deteriorated concrete poles will reduce potential liability due to structural failure. In addition, the LED fixtures will last considerably longer than existing fixtures, reducing maintenance and replacement intervals, as well as reducing electrical consumption. Finally, the new products selected for cabling, conduit and controllers will require less maintenance, reduce underground failures, and allow for isolation of outages so that total street blackouts are less likely.



Schedule of Activities

Activity	From - To	Amount
Construction	5/13 - 4/14	\$325,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$325,000

Project Title: *WRC Phase II Aeration System Improvement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$825,000	\$0	\$825,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: Installation of advanced instrumentation that will improve control of the aeration system through process probes and blower speed controls.

Purpose & Need: The purpose of the project is to improve the efficiency of generating the needed air for digester aeration, improve control of air delivery to the digesters and to establish control of air delivery to the upstream aeration tank in the operating train. This project has been rated as the number two priority in the Facility Inspection Report completed by Baxter & Woodman in late 2010.

Impact on Future Operating Budget: Improved ability to control air delivery will allow for more efficient use of blowers, which will help reduce electrical costs.



Schedule of Activities

Activity	From - To	Amount
Design	5/13 - 9/13	\$170,000
Construction	10/13 - 4/14	\$655,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$825,000

Project Title: *Building Roof Replacement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$195,000	\$0	\$50,000	\$65,000	\$80,000	\$0	\$0	\$0

Description & Scope: Replacement of roofs on various buildings at the WRC including: 23 year old sludge return building roof (FY14), 7 to 20 year old administration building roof (FY15), 19 year old blower building #1 roof (FY15) and 18 year old grit/screening building roof (FY16),

Purpose & Need: These building roofs were identified in a comprehensive analysis of roof conditions of all public works facilities performed in 2005.

Impact on Future Operating Budget: Failure to replace roofs can cause additional damage to building structure and contents and require additional maintenance costs.



Schedule of Activities

Activity	From - To	Amount
Construction	5/13 - 4/14	\$50,000
Construction	5/14 - 4/15	\$65,000
Construction	5/15 - 4/16	\$80,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$195,000

Project Title: *WRC Phase I Pumping Station Improvement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$1,250,000	\$0	\$0	\$1,250,000	\$0	\$0	\$0	\$0

Description & Scope: Rehabilitation of the impeller, splash plate, motor, drive, gearbox and grease pump for Primary Pumps 1 & 2 and Second Stage Pumps 1 & 2.

Purpose & Need: The pumping equipment moves the sewage through the various treatment processes. The equipment is aging and has been rated the number three (3) priority in the Baxter & Woodman Facility Inspection Report completed in late 2010.

Impact on Future Operating Budget: Replacement of equipment with newer, more energy efficient gear will offer some benefit to energy costs.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Design	5/14 - 11/14	\$ 250,000
Design & Construction	12/14 - 4/15	\$1,000,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Water & Sewer Fund	\$1,250,000

Project Title: *WRC Phase II Pumping Station Improvement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$650,000	\$0	\$0	\$0	\$650,000	\$0	\$0	\$0

Description & Scope: Rehabilitation of the impeller, splash plate, motor, drive, gearbox and grease pumps for Primary Pump #3 and Second Stage Pump #3.

Purpose & Need: The equipment is requiring increasing levels of maintenance and will have reached its useful life by the scheduled replacement date. This project has been rated as the number four priority in the Facility Inspection Report completed by Baxter & Woodman in late 2010.

Impact on Future Operating Budget: This is a replacement of aging equipment that is critical to the operation of the facility. Without the project, operating costs will continue to rise to keep up with failing equipment. Replacement of equipment with newer, more energy efficient gear may offer some benefit to energy costs.



Schedule of Activities

Activity	From - To	Amount
Design	5/15 - 9/15	\$ 80,000
Construction	9/15 - 4/16	\$570,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$650,000

Project Title: *WRC Dewatering System Improvement*

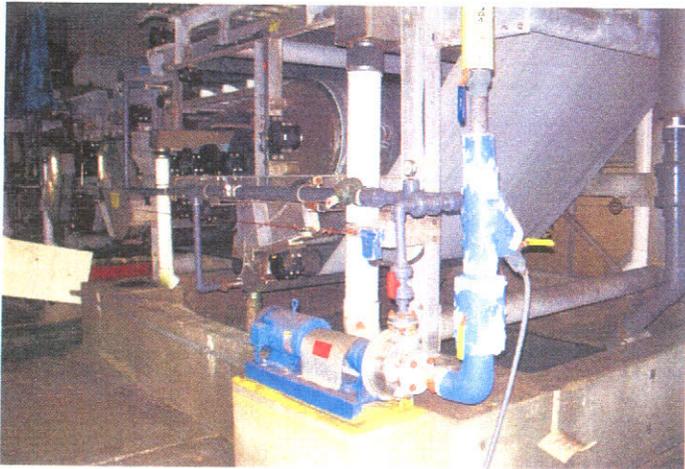
Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,050,000	\$0	\$0	\$0	\$410,000	\$1,640,000	\$0	\$0

Description & Scope: Replacement of the belt filter presses with similar equipment. Replacement of the belt press, sludge de-watering pump, polymer feed system and all accompanying equipment.

Purpose & Need: The two existing belt presses are original equipment and other related equipment is aging and should be replaced as scheduled. This project has been rated as the number five priority in the Facility Inspection Report completed by Baxter & Woodman in late 2010.

Impact on Future Operating Budget: Sludge dewatering lowers hauling costs by lowering the water content of the sludge and thus the overall volume.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Design	5/15 - 4/16	\$ 410,000
Construction	5/16 - 4/17	\$1,640,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Water & Sewer Fund	\$2,050,000

Project Title: *WRC Blower Motor Drive Replacement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$110,000	\$0	\$0	\$0	\$0	\$0	\$110,000	\$0

Description & Scope: Rehabilitation of the motor and drive system for Blower Nos. 9 – 12.

Purpose & Need: Equipment will have reached the end of its useful life.

Impact on Future Operating Budget: More efficient motors and more control over deliver of air will reduce electric costs.



Schedule of Activities

Activity	From - To	Amount
Design & Construction	5/16 - 4/17	\$110,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$110,000

Project Title: *WRC WAS Pump Replacement*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0

Description & Scope: Replacement of the existing Waste Activated Sludge (WAS) pumps with similar equipment at current capacity.

Purpose & Need: Equipment will have reached the end of its useful life.

Impact on Future Operating Budget: Replacement will help keep maintenance costs low.



Schedule of Activities

Activity	From - To	Amount
Design & Construction	5/16 - 4/17	\$40,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$40,000

Project Title: *GIS Utility System Update & Implementation*

Responsible Department: *Public Works & Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$140,000	\$0	\$0	\$140,000	\$0	\$0	\$0	\$0

Description & Scope: The first phase would complete the updating and build out of all water, sanitary and storm sewer system mapping features including: pipes, vaults, valves, hydrants and control and storage facilities, manholes, inlets, catch basins, outlets, culverts, best management practices, detention and retention basins, restrictors, pump stations, structures and other appurtenances. An analysis would also be performed to determine how the updated spatial data and existing Public Works databases could be linked. The second phase of the GIS project would complete the link of spatial data and existing data bases for water, storm and sanitary sewer systems.

Purpose & Need: The Village does not have an accurate or complete map of its water, sanitary or storm sewer system. These maps are crucial for performing locates, making repairs, performing maintenance, analyzing components and securing the system in emergencies. The information would be available to field staff for use on site as they perform work on the utility system. The data (and maps) would include information such as the location, age or work history of pipes, structures and other appurtenances.

Impact on Future Operating Budget: A complete GIS atlas of the entire Village utility infrastructure will better enable staff to assess, maintain, manage and control the systems. Use of this information would aid workers in more efficiently making repairs and in limiting scope and duration of service interruptions to customers.



Schedule of Activities

Activity	From - To	Amount
Study	5/14 - 4/15	\$140,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$ 70,000
Capital Projects Fund	\$ 70,000

Project Title: *Water System Studies*

Responsible Department: *Engineering Services & Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$97,000	\$0	\$0	\$0	\$97,000	\$0	\$0	\$0

Description & Scope: Two studies will be performed. The Southwest Area Water & Sanitary Sewer Infrastructure Study identified the need for a reservoir, pumping station and connection to DuPage Water Commission’s trunk line along St. Charles Road to provide adequate fire flow to this area of the Village. The first study will determine when it’s most appropriate for the Village to make these improvements through an analysis of the system. The second study involves a comprehensive asset study of the Village’s entire water system including condition assessments and performance evaluations.

Purpose & Need: A study is required to ascertain the impact of additional connections from the Southwest Water Main extension Project on the fire flow demand before the Village undertakes these two previously mentioned expensive projects. The aging system is experiencing more water main breaks and some functional deficiencies have been observed. The last Village wide water system study was performed in 1988. The current Capital Improvement Program includes several water main replacement projects totaling over \$3 million in the next five years. Staff is proposing suspending those projects in favor of the comprehensive water system analysis. A system wide performance study and condition assessment is needed.

Impact on Future Operating Budget: The first study will give the Village a better indicator as to when future improvements are needed in order to provide adequate fire flows in the southwest area of the Village. The second study will provide a comprehensive condition assessment and performance evaluation of the water system that will allow the Village to better prioritize and target infrastructure maintenance programs and replacement and expansion projects for the next ten years.



Schedule of Activities

Activity	From - To	Amount
Water System Analysis & Asset Study	5/15 - 4/16	\$85,000
SW Water System Study Update	5/15 - 4/16	\$12,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$97,000

Project Title: Southwest Reservoir & Pumping Station

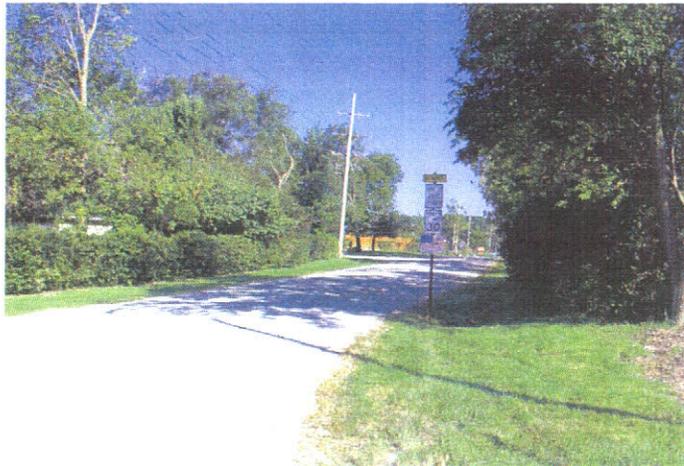
Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$4,094,000	\$0	\$0	\$0	\$949,000	\$3,145,000	\$0	\$0

Description & Scope: This project involves the construction of a ground level reservoir and pumping station to serve the southwest area of the Village as well as the unincorporated areas with clean reliable potable water. Land acquisition will also be necessary to site the facilities.

Purpose & Need: Upon the completion of the Southwest Water Main Extension Project and as users connect onto the system a reservoir and pumping station will be necessary to provide adequate pressure and flow. The Southwest Area Water & Sanitary Sewer Infrastructure Study identified this need in the final report. It's anticipated this need will be realized by FY15 although it may occur sooner depending on the demand for connections and for flow.

Impact on Future Operating Budget: The new reservoir will require annual inspections and routine maintenance of the pumps, motors and valves. Periodic maintenance involving painting of the structures will also be necessary.



Schedule of Activities

Activity	From - To	Amount
Land Acquisition	5/15 - 4/16	\$ 658,000
Design	5/15 - 4/16	\$ 291,000
Construction	5/16 - 4/17	\$3,145,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$4,094,000

Project Title: Southwest DPWC Connection & Metering Station

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,933,000	\$0	\$0	\$0	\$249,000	\$2,684,000	\$0	\$0

Description & Scope: A connection to the DuPage Water Commission’s 48 inch diameter trunk line will be needed to properly supply water for the ground level reservoir and pumping station. These improvements will serve the Village and unincorporated residents with clean reliable water for potable use and fire suppression. Land acquisition will be required to site the facilities, but is assumed to have occurred with the reservoir and pumping station project.

Purpose & Need: As more users connect onto the system the connection and metering station will be necessary to provide adequate pressure and flow. This need was identified in the Southwest Area Water & Sanitary Sewer Infrastructure Study. As with the reservoir and pumping station, these improvements are anticipated to be needed by FY15. However, depending on the demand for connections this projected construction date may change.

Impact on Future Operating Budget: The new connection and metering station will require annual inspections and routine maintenance of the pumps, motors and valves. Periodic maintenance involving painting of the structures will also be necessary.



Schedule of Activities

Activity	From - To	Amount
Design	5/15 - 4/16	\$ 249,000
Construction	5/16 - 4/17	\$2,684,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$2,933,000

Project Title: *Schmale Road Water Main Replacement*

Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$2,126,000	\$0	\$167,000	\$309,000	\$1,650,000	\$0	\$0	\$0

Description & Scope: The project consists of replacing and/or upsizing 4,800 feet of 10” and 12” cast iron pipe (CIP) with DIP along Schmale Road. The limits of the project begin south of North Avenue and extend to Geneva Road. The water main would be relocated out from under the pavement.

Purpose & Need: Cast iron water mains were installed early in the Village’s life and have had more frequent breaks and required more maintenance. Public Works identified recent water main breaks in this system.

Impact on Future Operating Budget: Relocating water main out from under the pavement will greatly lessen repair costs. Replacing CIP with DIP will give the system more uniform pressure with less maintenance, far superior reliability and significantly less repair costs. Addition of new water main will require routine maintenance involving hydrant flushing, valve exercising and hydrant painting.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Concept Plan	5/13 - 4/14	\$ 8,000
Easement Acquisitions	5/13 - 4/15	\$ 318,000
Design	5/13 - 4/15	\$ 150,000
Construction	5/15 - 4/16	\$1,650,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Water & Sewer Fund	\$2,126,000

Project Title: *Aztec Drive Sanitary Sewer Replacement*

Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$623,000	\$0	\$0	\$0	\$52,000	\$571,000	\$0	\$0

Description & Scope: This project will replace 1,400 feet of vitrified clay pipe (VCP) with new polyvinyl chloride (PVC) pipe that has far better and fewer joints. This replacement project will also reduce infiltration into the system.

Purpose & Need: The sanitary sewer line on Aztec Drive from Ute Lane to Chippewa Trail is constructed out of VCP. It is severely prone to root intrusions causing back-ups to connecting home services. Through the Village’s Sanitary Sewer Digital Televising Program cracks, sags and offset joints have been identified. These deteriorations have lead to pipe failures, infiltration and sewer backups. This project is designed to help alleviate those issues and to maintain the Village’s sanitary sewer system in a safe and reliable operating condition.

Impact on Future Operating Budget: Replacing or rehabilitating the deteriorated sewer sections will reduce the likelihood of pipe failures and sewer backup exposure while also reducing calls for maintenance and repair.



Schedule of Activities

Activity	From - To	Amount
Design	5/15 - 4/16	\$ 52,000
Construction	5/16 - 4/17	\$571,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$623,000

Project Title: Sanitary Sewer I&I Reduction Program

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$2,700,00

Description & Scope: This Program will involve a series of projects that will rehabilitate deteriorated sanitary sewers that have been identified in the Sanitary Sewer System Evaluation Studies for I&I reduction. Various rehabilitation alternatives, such as relining, replacement and boring will be considered during the design phase of each project.

Purpose & Need: The Village has approximately 100 miles of sanitary sewers. As the sewers age some areas develop sags and cracks which can lead to pipe failures, inflow, infiltration and possible sewer backups. This rehabilitation / replacement program is designed to address those issues and to maintain the Village's sanitary sewer system in a safe and reliable operating condition.

Impact on Future Operating Budget: Replacing or rehabilitating the deteriorated sewer sections will reduce the likelihood of pipe failures and sewer backup exposure. Other repairs will restore the sanitary sewer system to a safe and reliable operating state.



Schedule of Activities

Activity	From - To	Amount
Design Study & Final Engineering	5/17 - 4/18	\$ 50,000
Construction	5/18 - 4/19	\$550,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$50,000

Project Title: WRC Streetlight Replacement

Responsible Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$30,000	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: Installation of up to 9 new poles and LED light heads on the grounds of the Water Reclamation Center.

Purpose & Need: The existing poles are deteriorating and the existing light heads are old, less efficient technology.

Impact on Future Operating Budget: Installation of light heads are projected to decrease related electrical costs by up to forty percent.



Schedule of Activities

Activity	From - To	Amount
Design & Construction	5/13 - 4/14	\$30,000

Means of Financing

Funding Source	Amount
Water & Sewer Fund	\$30,000

Project Title: Klein Creek Flood Plain Structure Phase II Buyout

Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$301,285	\$264,285	37,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: The project entails the purchase of four properties that have experienced repetitive flood damages. The structures would be demolished and the vacant land returned to open space per FEMA and Hazard Mitigation Grant Program (HMGP) requirements. Three of the four homes (Phase I) were already purchased and demolished in FY12. The fourth home (Phase II) was purchased in FY13 with demolition and restoration to occur in FY14.

Purpose & Need: The Village of Carol Stream has received funding for the acquisition of four flood-prone properties within our jurisdiction. Each of the four properties contains a single-family home located in the Klein Creek 1% floodplain. The homes (as well as other homes in their neighborhood) all sustained thousands of dollars in damages from the September 2008 and 2010 floods, and have been repeatedly subject to flood damage over the past forty plus years. All four properties received IEMA HMGP funding and three of the four received DuPage County funding. The Village obtained \$304,851 in DCEO CDBG funding for the fourth home. The owners of all four properties have volunteered to participate in these buy-out programs.

Impact on Future Operating Budget: The project will permanently eliminate the exposure of four properties (and families) to floods. It is additionally hoped that a successful buyout program for these properties will become an impetus for additional mitigation buyouts of similarly threatened properties within our community. There will also be fewer requests for flood damage assistance.



Schedule of Activities

Activity	From - To	Amount
Demolition & Restoration	5/13 - 10/13	\$ 37,000

Means of Financing

Funding Source	Amount
DCEO CDBG	\$301,285

Project Title: *Southeast Stormwater Study*

Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$84,000	\$0	\$84,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: A storm water study will be performed analyzing the watershed’s existing storm water management facilities and identify improvements to reduce street and parking lot flooding, flood damages and road closures.

Purpose & Need: The southeast area of the Village from Main Street and Gundersen Drive to Northland Mall on Geneva Road has experienced flooding on repeated occasions. Parking lots, streets and buildings have flooded with cars and stores being damaged. The drainage area extends north all the way up to North Avenue with several developments with ineffective or no detention at all.

Impact on Future Operating Budget: There will be fewer responses for road closures improving traffic flow. There will also be fewer requests for flood damage assistance.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Study	5/12 - 4/14	\$84,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Capital Projects Fund	\$84,000

Project Title: *Tubeway & Westgate Stormwater Study*

Responsible Department: *Engineering Services*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$40,000	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0

Description & Scope: A watershed and storm water management facility study will be undertaken to identify improvements to reduce flooding in the Rothbart Subdivision and to rehabilitate the existing detention basin.

Purpose & Need: The existing detention basin has become overgrown with undergrowth, trees, non-native and invasive species. The bottom has two to three feet of sedimentation that has built up over the years clogging outfall pipes and reducing the efficiency of the lift station pumps. The overgrowth and sedimentation has also reduced the storage capacity of the detention basin. The pond has overtopped causing street, parking lot and truck dock flooding.

Impact on Future Operating Budget: Reducing overflows and street flooding will prolong pavement life and lessen the amount of time spent on road closures.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Study	5/14 - 4/15	\$40,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Capital Projects Fund	\$40,000

Project Title: Salt Dome Roof Replacement

Responsible Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$60,000	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: The project involves removal and replacement on existing salt dome structure. The roof was installed new in 1995 when the dome was constructed; it is made of plywood decking with asphalt shingle water shedding roof system.

Purpose & Need: This project was identified as part of a comprehensive analysis of roofs throughout all public works facilities conducted in 1995. The roof has required typical maintenance since installation but has recently shown signs of accelerating deterioration. Protection of salt dome contents is critical for protecting large investment in salt.

Impact on Future Operating Budget: Failure to replace the roof will increase likelihood of loss of salt inventory and increase on-going maintenance costs.



Schedule of Activities

Activity	From - To	Amount
Construction	5/13 - 7/13	\$60,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$60,000

Project Title: *PWC North Garage Roof Replacement Project*

Responsible Department: *Public Works*

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$330,000	\$0	\$330,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: The project involves the replacement of roof on the north vehicle/equipment storage garage at the Public Works Center.

Purpose & Need: During an inspection in the past year it was discovered that the roof was deteriorating faster than anticipated, with specific concern at the many points where the roof is secured to the building frame.

Impact on Future Operating Budget: Failure to replace rook will result in continuing maintenance costs and potential loss of building use and/or stored equipment should roof structure fail.



Schedule of Activities

<u>Activity</u>	<u>From - To</u>	<u>Amount</u>
Construction	5/13 - 4/14	\$330,000

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Capital Projects Fund	\$330,000

Project Title: Fullerton Storage Building

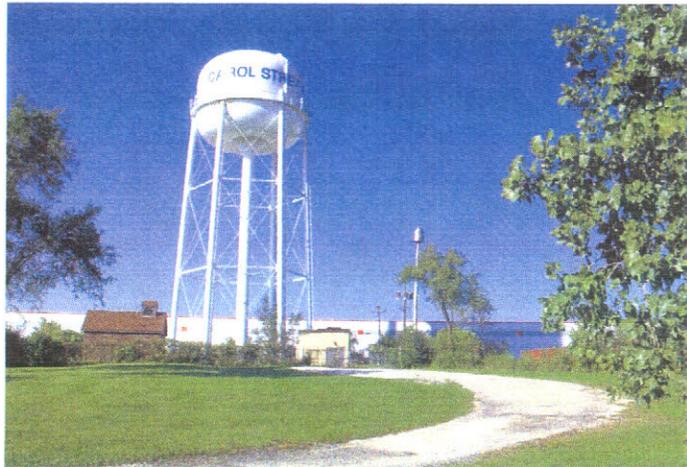
Responsible Department: Engineering Services

Total Project Cost	Total Expended To Date	Budget Year 1 2013-14	Unappropriated Subsequent Years				Future Funding Requirements
			Year 2 2014-15	Year 3 2015-16	Year 4 2016-17	Year 5 2017-18	
\$314,000	\$0	\$314,000	\$0	\$0	\$0	\$0	\$0

Description & Scope: A new storage facility approximately 2,300 square feet in size will be constructed at the Village's Well No. 3 and Elevated Water Tank site located off Fullerton Avenue. The structure will include a fire suppression system, HVAC, fencing and gates, paved access, water, electrical and gas services, lighting, second floor attic storage with stairs, drainage improvements, landscaping and rodent control.

Purpose & Need: The Village Hall lacks ample space for the storage of materials, equipment and records. The facility will allow secure storage of these items in a climate controlled structure.

Impact on Future Operating Budget: Normal operating expenses (electric, heating, A/C and rodent control) will be necessary. All exterior materials will be maintenance free or low maintenance. Eventually the roof will need to be re-shingled.



Schedule of Activities

Activity	From - To	Amount
Design	5/13 - 7/13	\$ 14,000
Construction	7/13 - 4/14	\$300,000

Means of Financing

Funding Source	Amount
Capital Projects Fund	\$314,000