

Debt Service & Capital Planning

Section 6

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Debt Service

Borrowing Funds

Several methods are available to finance capital improvement projects and other authorized activities. Onondaga County, like most governmental units, borrows money in order to acquire land and equipment, construct buildings, and make renovations and improvements. The cost of these capital projects are normally financed by the issuance of debt obligations which are then repaid over several years along with the interest incurred on the borrowings. An amount is included in the County's annual operating budget to make these payments, which is defined as "debt service". This policy enables the cost of these capital assets to be borne by the present and future taxpayers receiving the benefit of the capital assets or improvements.

The use of debt, usually through the issuance of bonds, to finance capital projects has several advantages. Primarily, it allows the County to obtain for current use a capital facility that would go beyond its capacity to finance on a pay-as-you-go basis. In addition, the flexibility associated with the repayment of bonds allows the County to smooth out its expenditure pattern over a period of several years. The structure of the principal payments cumulatively effects both interest payments and subsequently the County's operating budget.

In general, the State Legislature has granted the power and defined the procedure for the County to borrow by the enactment of the Local Finance Law. Pursuant to the Local Finance Law, its Charter and the County Law, the County authorizes the issuance of bonds by the adoption of a bond resolution, which must be approved by at least two-thirds of the members of the County Legislature. Through the bond resolution, the County Legislature delegates to the Chief Fiscal Officer the power to authorize and sell bond anticipation notes in anticipation of authorized bonds.

Each bond resolution authorizes the construction, acquisition or installation of the object or purpose to be financed, the plan of financing, the amount of money being borrowed, and the Period of Probable Usefulness (PPU), which ties in with the maximum maturity of the bonds subject to legal restrictions. Within these bonding requirements, the County has considerable flexibility in its borrowing program and can issue two basic forms of debt instruments: Serial Bonds (Bonds) and Bond Anticipation Notes (BANs). BANs, due to their short term (12 months or less), are used to facilitate borrowing for projects that have a PPU of five years or less, or are relatively small in amount or otherwise inappropriate for long-term borrowing. In addition, BANs allow the County the option of conversion to Serial Bonds when interest rates are most beneficial for long-term debt.

Statutory law in New York permits BANs to be renewed each year provided annual principal installments are made prior to the second renewal. If the principal is not paid off after the fourth renewal (five years from the original date of borrowing), the BAN must be converted to a Serial Bond. There is an exception to the four-time renewal limitation on BANs for Special District Borrowing for Water Environment Protection and Water. BANs may be renewed indefinitely for Special Districts as long as they do not violate the assigned PPU.

The Local Finance Law contains provisions providing the County with power to issue certain other short-term general obligation indebtedness, including revenue and tax anticipation notes and budget and capital notes.

Bond Advisors

Bond counsel and our fiscal advisors play an important role in the bond issuing process. They can be influential in reducing borrowing costs by advising the issuing government on how best to structure the issue and when best to go to market. They assist us in the preparation of the County's Official Statement, insuring that it meets the legal requirements and includes the information to present the County's financial status and economic activities and comparisons.

They assist us in the application for bond ratings, which provide investors with a symbol of credit quality that is easily recognized. Through careful fiscal planning and sound financial management, Onondaga County was upgraded to a double A plus (AA+) bond rating in May 2000 by Standard and Poor's and in May 2002 by Fitch Ratings. Moody's Investors Service, Inc. continues its affirmation of the County's double A (Aa2) rating.

Market Factors Affecting Bonds

The market for Bonds and Notes could be affected by a variety of factors, some of which are beyond the County's control. There can be no assurance that adverse events at the State level will not occur which might affect the market price of outstanding Bonds and Notes and the market for additional debt. If a significant default or other financial crisis should occur in the affairs of the State or of any of its agencies or political subdivisions, it could impair the acceptability of obligations issued and bond ratings of borrowers within the State, such as Onondaga County.

The traditional market for our debt has changed over the years, from primarily banks and individual investors, to the major brokerage houses and fund investors. The County looks to market conditions when scheduling its bond sale to optimize savings to the taxpayers.

Debt Management Planning

Onondaga County's debt management planning covers all debt issued by the County, including debt wholly supported by special district fund revenues. The County Executive has formed the Debt Management Committee to implement debt management throughout all the funds, including Water Environment Protection, Water and General. The County Executive's goals are to stabilize debt service and total countywide debt and to provide necessary flexibility in borrowing in order to maintain and improve the County's infrastructure.

In 2000, Onondaga County defeased \$10.7 million of debt using its fund balance. The County Legislature had passed a resolution in November 1999, which established a fund balance target of 10% of General Fund revenues. Any excesses would be used to avoid or reduce debt and provide property tax relief. The defeasance had a benefit to taxpayers of \$11.7 million in 2000-2004. In August 2001, the County participated in a pooled financing with five other New York counties to sell its rights to the tobacco revenues guaranteed under the Master Tobacco Agreement with the four major tobacco companies. This financing provided funds sufficient to defease approximately \$95 million of Onondaga County General Obligation debt, beneficially affecting the years 2002-2021 for a total of \$131.7 million.

Taking advantage of the lowest interest-rate environment in forty years, the County refunded \$18.5 million of 10-year old bonds in 2003, saving \$1.8 million through 2014. In 2005, the County participated in a second pooled tobacco bond sale, which enabled the County to defease \$19.9 million, beneficially affecting the years 2007-2025 for total debt service of \$27.3 million. It is the County's goal to annually review its

outstanding debt for refunding opportunities. In 2007, \$8 million in cash was used to fund capital projects, avoiding debt and maintaining the County's fund balance 10% target.

The County has established the following policies to guide its management of debt (calculations based on 2010 Budget):

1. Debt service costs paid through the General Fund will not exceed 5% of total General Fund revenue.

In 2010, debt service costs are 2.4% of revenues.

2. The County's total net direct indebtedness will not exceed \$500 per capita or 1% of the full valuation of taxable property in the County.

Net general fund indebtedness is \$358 per capita and 0.62% of the County's full valuation. (Population source is 2008 estimate, U. S. Census Bureau)

3. Rapid pay down of debt will continue as a goal of the County's debt management policies, with a target of 65% of outstanding principal scheduled for retirement within 10 years. This goal may be modified to reflect changes in the interest rate environment, which may argue for shorter or longer retirement terms.

Currently, 77% of the County's outstanding general fund debt is scheduled to be retired within 10 years.

4. In addition, the following capital planning and debt management strategies will continue:

Where possible, capital expenditures will be funded through pay-as-you-go programs and alternative financing mechanisms, such as state loan programs and as federal pilot projects;

Reviewing operating cost and revenue implications for all proposed capital projects as a part of the annual six-year capital improvement planning process;

Maintaining an inventory of capital assets and developing plans to reduce maintenance costs and extend the useful life of the County's infrastructure, including the development and implementation of preventive maintenance programs.

Debt Management - Department of Water Environment Protection

A debt reduction/stabilization plan for the Department of Water Environment Protection (WEP) was begun in 1991 and continues through 2009, by paying for sewer breaks on a pay-as-you-go basis.

For 2010, the County Executive is continuing current debt management efforts. Emphasis over the next several years is directed towards further debt avoidance such that the WEP Fund will eventually be paying for recurring capital needs in the operating budget. Other components of the plan call for greater investment in preventive maintenance, quick retirement of current debt and the strategic use of the WEP Reserve for Bonded Debt at \$27.7 million as of 12/31/2008 and designated Fund Balance of \$35.6 million as of that same date. The County has taken advantage of zero-interest short-term notes and subsidized-interest loans with the NYS Environmental Facilities Corp., as well as Federal and State grants. This is

especially true for the Onondaga Lake cleanup projects. Initiated in 1998, 20 projects have been completed, with an additional 3 major projects and various sewer separations underway.

The use of these strategies is expected to reduce the County's outstanding debt, save tens of millions in interest costs, and provide the county with the ability to borrow for Combined Sewer Overflow and Onondaga Lake related capital projects.

Debt Limits

Local Finance Law prohibits the County from issuing debt in excess of the Debt Limit. The Debt Limit is seven percent of the five-year average full valuation of Taxable Real Property within the County. Total Net Indebtedness is calculated by adding the County's short and long-term debt and subtracting the legal exclusions. As of September 2, 2009 the County will have exhausted 11.13% of its Debt-Contracting Power. This is down significantly from 15.5% in 2000 due to the use of tobacco bond revenues to defease \$115 million of General Fund debt (2001 & 2005). The following table is the calculation of Total Net Indebtedness:

Calculation of Total Net Indebtedness (As of September 2, 2009)

5-Year Average Full Valuation of Taxable Real Property		\$21,764,442,053
Debt Limit (7% of 5-year average)		\$1,523,510,944
Outstanding Indebtedness:		
Bonds	\$ 401,655,373	
Bond Anticipation Notes	\$ 7,722,757	
Outstanding Gross Indebtedness	\$ 409,378,130	
Less Exclusions	\$ (239,824,971)	
Total Net Indebtedness		\$169,553,159
Net Debt-Contracting Margin		\$1,353,957,785
Percentage of Debt-Contracting Power Exhausted		11.13% (1)

(1) The Debt Limit of the County is computed in accordance with the provisions of Article VIII of the State Constitution and Title 9 of Article 2 of the Local Finance Law

Debt Limit and Debt Margin

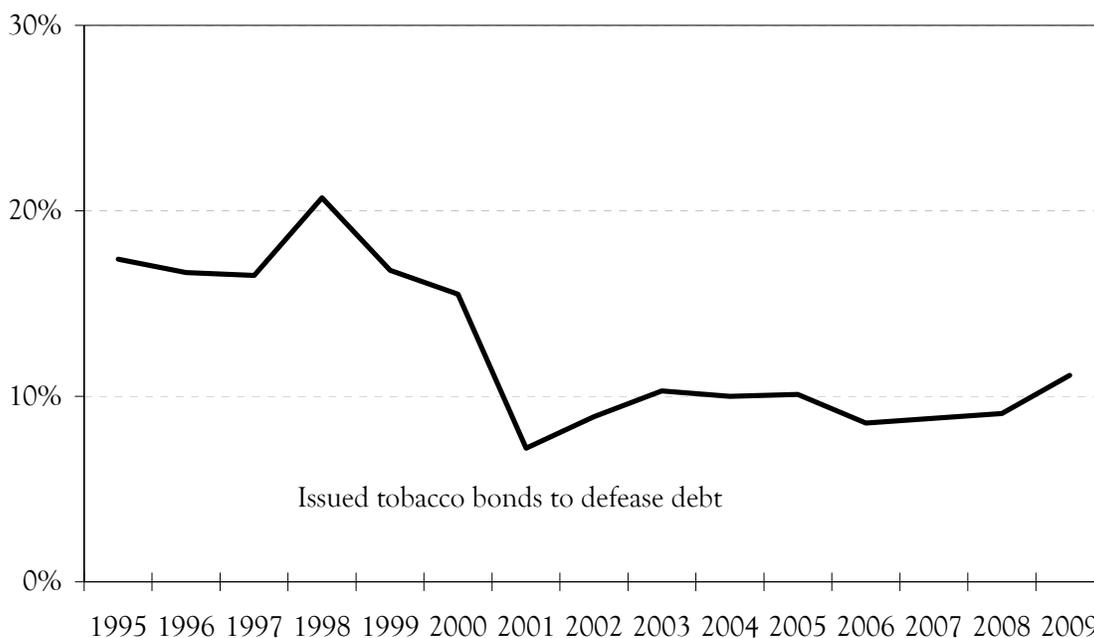
Onondaga County's use of its constitutional debt limit declined dramatically in 2001 when it defeased \$95 million of general fund debt, using proceeds from tobacco revenue bonds. A second tobacco bond sale in 2005 enabled the defeasement of an additional \$20 million in debt. The percent is currently 11.13%, down from 15.5% in 2000 and an average of 17.8% for the years 1994-2000. The debt margin is nearly eight times the total net indebtedness and provides ample flexibility to continue to meet the capital needs of the County.

2010 Debt Limit and Debt Margin (as of September 2, 2009)

Debt Limit	\$1,523,510,944
Total Net Indebtedness	\$169,553,159
Debt Margin	\$1,353,957,785
Percentage of Debt Limit Used	11.13%

Note: The constitutional debt margin is the amount of additional debt, which a municipality may legally assume at a particular time and is calculated by subtracting the total net indebtedness from the debt limit. The debt limit is equal to 7% of the five-year full value of taxable real property while the total net indebtedness equals total outstanding debt minus approved exclusions.

Percentage of Debt Limit Used



Debt Service Summary - All Funds

2010

	Long-Term Debt		NYS EFC*		Estimated NYS EFC*	
	Principal	Interest	Principal	Interest	Principal	Interest
County-wide Tax Levy	11,673,000	8,001,598	0	0	0	0
Water/Ad Valorem Tax	425,000	129,862	0	0	0	0
WEP/Unit Charge	2,552,500	2,068,571	6,485,373	2,971,566	1,100,000	200,000
Total	14,650,500	10,200,031	6,485,373	2,971,566	1,100,000	200,000

	Fiscal Agent Fees	Debt Service Totals	RBD Contribution	Charge to Fund
County-wide Tax Levy	45,500	19,720,098	4,266,250	15,453,848
Water/Ad Valorem Tax	0	554,862	0	554,862
WEP/Unit Charge	321,809	15,699,819	200,000	15,499,819
Total	367,309	35,974,779	4,466,250	31,508,529

Note: WEP - Water Environment Protection

* EFC - Environmental Facilities Corporation, a New York State agency financing environmental projects. EFC interest assumes a 33% - 50% subsidy.

Debt Service Summary - Countywide Debt Service

2010

Department/Fund	Serial Bond Principal	Serial Bond Interest	Fiscal Agent Fees	Debt Service Totals	RBD Contribution	Charge to Operating Fund
General Fund	0	0	5,000	5,000	0	5,000
Community College ¹	592,000	773,068	0	1,365,068	0	1,365,068
Hotel/Oncenter Complex	165,000	612,643	40,000	817,643	612,643	205,000
Facilities Management	4,173,500	2,047,102	0	6,220,602	591,612	5,628,990
Corrections	0	150,378	0	150,378	150,378	0
Sheriff/Jail	1,678,000	360,325	500	2,038,825	360,325	1,678,500
Hillbrook ²	280,000	216,900	0	496,900	0	496,900
Parks & Recreation	625,000	285,042	0	910,042	251,292	658,750
Library	165,000	17,781	0	182,781	0	182,781
Transportation	2,904,500	1,533,551	0	4,438,051	2,300,000	2,138,051
Emergency Communications ³	1,090,000	2,004,808	0	3,094,808	0	3,094,808
TOTALS	11,673,000	8,001,598	45,500	19,720,098	4,266,250	15,453,848

¹ OCC debt service will be fully funded with college chargeback collections

² 50% reimbursement from NYS Office of Children and Family Services will be in department budget

³ \$2,934,786 in surcharge revenues is appropriated in the budget to offset E911 debt service

Debt Service Summary - Special Districts

2010

	Water District	Consolidated Sanitation District	Meadowbrk Drainage District	Bear Trap District	Bloodybrk Drainage District	Harborbrk Drainage District	Total	Total All Funds Debt
Serial Bond								
Principal	425,000	1,855,500	359,000	100,000	113,000	125,000	2,977,500	14,650,500
Interest	129,862	1,694,859	244,775	14,300	52,730	61,907	2,198,433	10,200,031
EFC - estimated								
Principal	0	1,100,000	0	0	0	0	1,100,000	1,100,000
Interest	0	200,000	0	0	0	0	200,000	200,000
Fiscal Agent Fees								
	0	321,809	0	0	0	0	321,809	367,309
EFC								
Principal	0	6,485,373	0	0	0	0	6,485,373	6,485,373
Interest *	0	2,971,566	0	0	0	0	2,971,566	2,971,566
Debt Service Totals								
	554,862	14,629,107	603,775	114,300	165,730	186,907	16,254,681	35,974,779
RBD Contribution								
	0	200,000	0	0	0	0	200,000	4,466,250
2010 Charge to Operating Fund								
	554,862	14,429,107	603,775	114,300	165,730	186,907	16,054,681	31,508,529

* Assumes interest subsidy, totaling \$2,955,556 for existing EFC debt

2010 Bond Anticipation Notes

as of September 2, 2009

Clinton - EFC \$7,722,756

County Indebtedness Authorized and Unissued

2010

Department	Authorized	Unissued
Hotel/Oncenter Complex	14,339,000	5,864,200
Emergency Communications	34,700,000	4,147,990
Corrections	2,339,100	39,100
Parks & Recreation	10,248,150	9,248,150
Van Duyn	4,893,847	4,893,847
Transportation	27,189,628	26,839,628
Community College	15,932,960	10,910,460
Water Environment Protection	190,970,262	180,338,162
Total	300,612,947	242,281,537

Serial Bonds 2010 Debt Service

Title of Bond	No.	Final Maturity	Interest Rate	Amount Issued	2010 Payments**		Balance
					Principal	Interest	12/31/10**
N.Y.S. E.F.C. Bonds 1991/2002I*	505	2012	4.220%	7,195,000	415,000	31,552	850,000
Public Improvement Bonds 1992**	520	2012	5.875%	55,000,000	932,500	84,674	975,000
General Improvement Bonds 1992**	530	2012	5.700%	50,400,000	770,000	110,110	1,540,000
General Obligation Bonds 1996**	590	2015	5.000%	30,075,000	483,000	73,825	1,235,000
N.Y.S. E.F.C. Bonds 1998*	595	2018	4.850%	6,030,821	310,000	73,050	2,715,000
General Obligation Bonds 1998**	600	2017	5.000%	41,700,000	600,000	254,950	4,750,000
General Obligation Bonds 1999**	610	2019	4.500%	20,450,000	495,000	252,092	4,980,000
N.Y.S. E.F.C. Bonds 2000*	615	2020	5.350%	1,383,178	70,000	22,409	745,000
N.Y.S. E.F.C. Bonds 2001A*	625	2020	4.270%	9,078,380	450,000	128,663	4,935,000
General Obligation Bonds 2001A**	630	2021	5.000%	27,575,000	470,000	293,612	5,535,000
N.Y.S. E.F.C. Bonds 2001B*	635	2021	4.234%	2,195,433	110,000	32,067	1,275,000
N.Y.S. E.F.C. Bonds 2002A*	645	2021	3.932%	1,980,745	100,000	28,543	1,155,000
General Obligation Bonds 2002A **	650	2023	5.000%	41,173,000	1,900,000	1,083,750	20,725,000
N.Y.S. E.F.C. Bonds 2002G*	655	2028	4.425%	14,681,217	525,000	280,462	10,430,000
N.Y.S. E.F.C. Bonds 2003A*	665	2022	3.281%	1,128,465	55,000	15,324	705,000
General Obligation Bonds 2003A	670	2024	3.000%	27,700,000	1,700,000	748,000	17,800,000
General Obligation Bonds 2003B	671	2013	3.800%	5,360,000	100,000	16,350	300,000
Public Improve Refund Bonds 2003C	672	2014	5.000%	18,530,000	1,495,000	309,000	5,670,000
N.Y.S. E.F.C. Bonds 2003F*	675	2023	2.700%	4,657,961	215,000	63,222	3,230,000
N.Y.S. E.F.C. Bonds 2004D*	685	2024	3.381%	9,579,475	445,000	165,541	7,085,000
General Obligation Bonds 2004A	680	2025	3.000%	12,000,000	600,000	343,582	8,250,000
N.Y.S. E.F.C. Bonds 2005A*	695	2024	2.864%	17,469,284	795,000	257,130	12,985,000
N.Y.S. E.F.C. Bonds 2005B*	705	2025	2.919%	5,495,439	245,000	81,477	4,330,000
General Obligation Bonds 2005A **	710	2026	3.750%	28,000,000	1,055,000	486,081	11,070,000
N.Y.S. E.F.C. Bonds 2006C*	715	2036	3.821%	44,610,657	1,285,000	922,912	39,610,000
General Obligation Bonds 2006A	720	2026	3.500%	35,000,000	2,350,000	1,157,062	28,200,000
N.Y.S. E.F.C. Bonds 2007D*	725	2036	3.810%	41,442,558	1,395,000	835,582	36,625,000
General Obligation Bonds 2007A	730	2027	3.750%	25,600,000	1,700,000	1,017,937	22,250,000
N.Y.S. E.F.C. Bonds 2008A&B*	735	2028	4.270%	1,645,373	70,373	33,634	1,505,000
General Obligation Bonds 2009A	740	2029	4.000%	61,725,000	0	3,969,004	61,725,000
TOTAL:				648,861,986	21,135,873	13,171,597	323,185,000

* EFC reflects interest subsidy

** Net of defeased amounts

Serial Bonds 2010 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2010 Serial Bond Payments		
					Principal	Interest	Total
Corrections							
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	150,378	150,378
Total: Correction					0	150,378	150,378
Community College							
General Obligation Bonds, Series A	680	2004	2025	3.000%	140,000	98,529	238,529
General Obligation Bonds, Series A	720	2006	2026	3.500%	205,000	159,150	364,150
General Obligation Bonds, Series A	730	2007	2026	3.750%	247,000	186,419	433,419
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	328,970	328,970
Total: Community College					592,000	773,068	1,365,068
Library							
General Obligation Bonds, Series A	730	2007	2012	3.750%	165,000	17,781	182,781
Total: Library					165,000	17,781	182,781
Convention Center Complex							
General Obligation Bonds, Series A	670	2003	2024	3.000%	65,000	42,233	107,233
General Obligation Bonds, Series B	671	2003	2013	3.350%	100,000	16,350	116,350
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	554,060	554,060
Total: Convention Center Complex					165,000	612,643	777,643
Facilities Management							
Public Improvement Serial Bonds	520	1992	2012	5.875%	842,500	71,455	913,955
General Improvement Bonds	530	1992	2012	5.700%	100,000	14,300	114,300
General Obligation Bonds	600	1998	2017	5.000%	600,000	254,950	854,950
General Obligation Bonds	610	1999	2019	4.375%	216,000	110,654	326,654
General Obligation Bonds	630	2001	2021	5.000%	470,000	293,612	763,612
General Obligation Bonds	650	2002	2023	5.000%	715,000	620,625	1,335,625
General Obligation Bonds, Series A	670	2003	2024	3.000%	245,000	118,307	363,307
General Obligation Bonds, Series A	680	2004	2025	3.000%	15,000	11,478	26,478
General Obligation Bonds, Series A	710	2005	2015	3.625%	525,000	141,719	666,719
General Obligation Bonds, Series A	720	2006	2026	3.500%	365,000	140,475	505,475
General Obligation Bonds, Series A	730	2007	2026	3.750%	80,000	82,925	162,925
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	186,602	186,602
Total: Facilities Management					4,173,500	2,047,102	6,220,602
Sheriff/Jail							
General Improvement Serial Bonds	590	1996	2015	4.800%	183,000	51,325	234,325
Public Improvement Refunding Bonds	672	2003	2014	2.750%	1,495,000	309,000	1,804,000
Total: Sheriff/Jail					1,678,000	360,325	2,038,325

Serial Bonds 2010 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2010 Serial Bond Payments		
					Principal	Interest	Total
Hillbrook							
General Obligation Bonds, Series A	720	2006	2026	3.500%	230,000	176,500	406,500
General Obligation Bonds, Series A	730	2007	2026	3.750%	50,000	40,400	90,400
Total: Hillbrook					280,000	216,900	496,900
E - 911							
Public Improvement Serial Bonds	520	1992	2012	5.875%	90,000	13,219	103,219
General Obligation Bonds, Series A	720	2006	2021	3.500%	700,000	168,438	868,438
General Obligation Bonds, Series A	730	2007	2021	3.750%	300,000	66,350	366,350
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	1,756,801	1,756,801
Total: E - 911					1,090,000	2,004,808	3,094,808
Parks And Recreation							
General Obligation Bonds	650	2002	2016	5.000%	500,000	175,000	675,000
General Obligation Bonds, Series A	730	2007	2017	3.750%	125,000	44,531	169,531
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	65,511	65,511
Total: Parks And Recreation					625,000	285,042	910,042
County Road Fund							
General Improvement Bonds	530	1992	2012	5.700%	75,000	10,725	85,725
General Obligation Bonds	650	2002	2022	5.000%	625,000	240,125	865,125
General Obligation Bonds, Series A	670	2003	2023	3.000%	1,272,000	510,728	1,782,728
General Obligation Bonds, Series A	680	2004	2024	3.000%	328,500	151,205	479,705
General Obligation Bonds, Series A	720	2006	2026	3.500%	536,000	269,752	805,752
General Obligation Bonds, Series A	730	2007	2022	3.750%	68,000	49,650	117,650
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	301,366	301,366
Total: County Road Fund					2,904,500	1,533,551	4,438,051
Water Fund							
General Improvement Serial Bonds	590	1996	2011	4.800%	300,000	22,500	322,500
General Obligation Bonds, Series A	710	2005	2026	3.625%	100,000	89,000	189,000
General Obligation Bonds, Series A	720	2006	2026	3.500%	25,000	18,362	43,362
Total: Water Fund					425,000	129,862	554,862
Consolidated Sanitary District							
N.Y.S. E.F.C. 1991d/2001i Bonds*	505	1991	2012	4.020%	415,000	31,552	446,552
General Improvement Bonds	530	1992	2012	5.700%	450,000	64,350	514,350
N.Y.S. E.F.C. 1998 Series B Bonds*	595	1998	2018	4.700%	310,000	73,050	383,050
N.Y.S. E.F.C. 2000 Series A Bonds*	615	2000	2020	5.300%	70,000	22,409	92,409
N.Y.S. E.F.C. 2001 Series A Bonds*	625	2001	2020	4.170%	450,000	128,663	578,663
N.Y.S. E.F.C. 2001 Series B Bonds*	635	2001	2021	4.114%	110,000	32,067	142,067

Serial Bonds 2010 Debt Service by Department

	No.	Year	Final	Interest	2010 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
N.Y.S. E.F.C. 2002 Series A Bonds*	645	2002	2021	3.802%	100,000	28,543	128,543
N.Y.S. E.F.C. 2002 Series G Bonds*	655	2002	2028	4.225%	525,000	280,462	805,462
N.Y.S. E.F.C. 2003 Series A Bonds*	665	2003	2022	3.031%	55,000	15,324	70,324
General Obligation Bonds, Series A	670	2003	2024	3.000%	93,000	60,032	153,032
N.Y.S. E.F.C. 2003 Series F Bonds*	675	2003	2023	2.350%	215,000	63,222	278,222
General Obligation Bonds, Series A	680	2004	2025	3.000%	48,500	36,075	84,575
N.Y.S. E.F.C. 2004 Series D Bonds*	685	2004	2024	3.161%	445,000	165,541	610,541
N.Y.S. E.F.C. 2005 Series A Bonds*	695	2005	2024	2.674%	795,000	257,130	1,052,130
N.Y.S. E.F.C. 2005 Series B Bonds*	705	2005	2025	2.769%	245,000	81,477	326,477
General Obligation Bonds, Series A	710	2005	2026	3.625%	430,000	255,362	685,362
N.Y.S. E.F.C. 2006 Series C Bonds*	715	2006	2036	3.731%	1,285,000	922,912	2,207,912
General Obligation Bonds, Series A	720	2006	2026	3.500%	289,000	224,385	513,385
N.Y.S. E.F.C. 2007 Series D Bonds*	725	2007	2036	3.720%	1,395,000	835,582	2,230,582
General Obligation Bonds, Series A	730	2007	2027	3.750%	545,000	434,406	979,406
N.Y.S. E.F.C. 2008 Series A&B Bonds*	735	2008	2028	4.270%	70,373	33,634	104,007
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	620,247	620,247
Total: Consolidated Sanitary District					8,340,873	4,666,425	13,007,298
Drainage Districts							
General Improvement Bonds	530	1992	2012	5.700%	145,000	20,735	165,735
General Obligation Bonds	610	1999	2019	4.375%	279,000	141,438	420,438
General Obligation Bonds	650	2002	2023	5.000%	60,000	48,000	108,000
General Obligation Bonds, Series A	670	2003	2024	3.000%	25,000	16,700	41,700
General Obligation Bonds, Series A	680	2004	2025	3.000%	68,000	46,295	114,295
General Obligation Bonds, Series A	730	2007	2027	3.750%	120,000	95,475	215,475
General Obligation Bonds, Series A	740	2009	2029	4.000%	0	5,069	5,069
Total: Drainage Districts					697,000	373,712	1,070,712
Total: All Funds					21,135,873	13,171,597	34,307,470

* Interest on EFC reflects an interest subsidy

Capital Planning

The Capital Process

The Capital Improvement Plan (CIP) serves as a mechanism for defining and prioritizing capital projects that are necessary to maintain the high standard of living that County residents have come to expect. Throughout the CIP, three spending priorities emerge: environmental protection, economic development, and building a strong community identity.

Capital planning involves the County Executive, members of the County Legislature, heads of various County departments, and a citizen advisory board in a process, which determines capital needs, alternatives, and priorities. The development of the Capital Improvement Plan takes place over several months, beginning in February of each year, and includes five major phases.

1. In February, department heads begin preparation of project proposals in accordance with executive guidelines.
2. In April, proposals are submitted to the Division of Management and Budget (DMB). The proposals are analyzed by DMB in conjunction with the Syracuse-Onondaga County Planning Agency and the Department of Finance. The Law Department is consulted as needed.
3. By September, a tentative CIP has been approved by the County Executive. It is presented to the Capital Program Committee (a committee made up of legislators and representatives from the executive branch of County government) and the County Planning Board (a citizen advisory group).
4. In September, the Tentative Capital Improvement Plan is presented with the County's Annual Operating Budget to the Ways & Means Committee of the County Legislature and then to the full Legislature in October for approval.
5. From October to February, research on capital planning and management is conducted, and the prior year's process is critiqued. Revisions to forms and instructions are completed.

Coordination and interaction among units of government occurs throughout the process, both formally and informally. The heads of County departments are consulted to discuss questions and recommendations regarding particular projects. Some of the major criteria for evaluating proposals are:

- Consistency with the stated goals of the County Executive
- Degree of the overall need for the project
- Fiscal impact, including the County's capacity to borrow
- Non-County funding sources
- Community participation and support

The final product of this process is a six year plan to improve those facilities or components of County infrastructure considered necessary to provide or maintain an adequate level of public service.

Approval by the County Legislature is not a commitment to fund every project in the plan, but rather it is an indication of support for the plan as a whole. Projects, which require borrowing, must be presented to the Legislature individually, in order to secure authorization to borrow funds.

The 2010 Development Guide

In 1991, the Onondaga County Legislature adopted the 2010 Development Guide to outline County policy with respect to infrastructure, land development, the environment and fiscal capacity. The Development Guide profiles Onondaga County in terms of natural resources and land use, population, and our local economy. While the Development Guide serves many purposes, clearly the most important is its role in influencing land development within Onondaga County. The 2010 Development Guide provides the planning framework within which capital-spending decisions will be made.

Project Criteria

As a matter of policy, capital requests are not considered for the Capital Improvement Plan if: 1) the total cost of the project is less than \$250,000; 2) the probable useful life (PPU) is less than five years; 3) the request involves the procurement of light or heavy vehicles. These must be funded through the operating budget and are excluded from the Capital Improvement Plan.

A Brief Summary

In addition to projects, which have been authorized by the County Legislature, the 2010-2015 Capital Improvement Plan (CIP) includes 31 County Wide projects, 3 projects in the Water Fund, 11 projects in the Sewer Fund, and 6 projects in the Van Duyn Enterprise Fund. All 51 projects recommended for inclusion in the six-year plan estimate total spending at \$783,604,000, including \$222,347,000 for Onondaga Lake. Of the Onondaga Lake costs, \$59,772,000 will be funded with Federal and State aid during this six year period. This project alone comprises 28.4% of the entire plan.

County-wide projects total \$327,075,000 for six years. Approximately 52% or \$210,943,000 of the funding of the County-wide projects is County-wide borrowing. The Special Funds projects are expected to cost \$456,529,000 of which \$59,772,000 will be funded with State and Federal aid and \$373,482,000 through borrowing. The rest of funds will come from other sources.

Impact On The Operating Budget

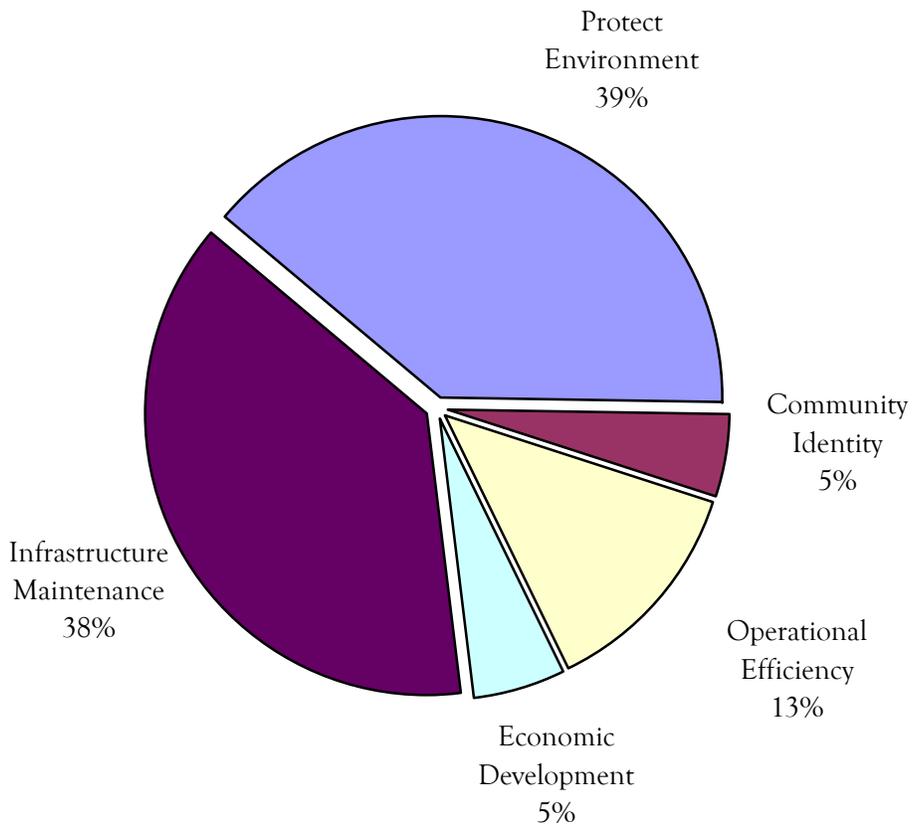
Capital projects can affect the operating budget in several ways. First, when funds are borrowed, annual principal and interest payments to retire the debt must be made. The County's budget to pay scheduled debt payments is presented in the Annual Budget as 10-30 Debt Service (Debt Service Fund). Additionally, scheduled debt service payments are summarized by department and fund, as well as specified by individual borrowing, in the Debt Service Fund section.

As an alternative to assuming debt, some capital projects are funded on a "pay-as-you-go" basis through departmental operating budgets. Most engineering studies are funded in this manner. Finally, operating costs associated with a project, such as utilities and maintenance, may cause a change in departmental budgets. The impact of these anticipated changes is calculated during the operating budget process as well as in the review, analysis and decision-making process for each capital project. A very brief summary of those projects anticipated to be submitted to the Legislature for authorization during the year 2010 is included in this section. Additionally included are:

1. Estimated six year costs for the proposed projects in the CIP,
2. The proposed source of funding for those projects and
3. Summary of the estimated debt service for:
 - a. the currently scheduled debt,
 - b. the debt which has been authorized but not yet issued, and
 - c. the estimated debt service if all of the proposed projects were to be authorized by the County Legislature.

It is important to note that the summary of estimated debt service schedule shows a maximum possible debt obligation through the payoff period.

2010 – 2015 Capital Priorities



CIP Proposed Projects
Six Year Summary of Estimated Expenses

County Wide General Fund (\$ in 000's)		2010 - 2015 Estimated Costs
Department of Corrections		
New	Physical Plant Improvements & Security Updates	\$957
	Subtotal	\$957
 Facilities Management		
	Civic Center Glazing Systems Replacement	\$3,980
	Civic Center Re-roof	\$2,467
	Community Plaza Garage	\$2,730
	Community Plaza and Walks Renovations	\$1,357
	County Office Building Rehab./Renovation	\$7,893
	Elevator Modernization - Public Safety Bldg	\$955
	Courthouse - HVAC Renovations	\$15,330
New	Fire Arms Training Center	\$9,600
	PSB Complex Renovation	\$45,194
	Subtotal	\$89,506
 Information Technology		
New	Voice Over the Internet Protocol (VoIP) System	\$2,054
	Subtotal	\$2,054
 Parks and Recreation Department		
	Onondaga Lake Trail (E-W Link)	\$21,000
	Park Improvements and Maintenance	\$2,850
	Subtotal	\$23,850
 Sheriff Police/Civil		
	Heliport Replacement	\$2,081
	Subtotal	\$2,081
	 General Fund Total	 \$118,448

	Transportation	
	Bituminous Surface Treatment	\$4,153
	Bridges	\$19,521
	Capital Highway Construction	\$29,133
	Cold Mix Bituminous Paving	\$20,967
	Guide Rail	\$2,780
New	Replacement of North Area and Camillus Highway Maintenance Facilities	\$31,000
	Repaving Program (Hot Mix Bituminous)	\$64,303
	Testing, Drainage and Facilities Repair	\$3,240
	Traffic Systems Management	\$849
	County Road Total	\$175,946
	Onondaga County Public Library	
	City Branch Library Improvements	\$2,814
	Library Total	\$2,814
	Onondaga Community College (OCC)	
New	Athletic Fields	\$5,715
	Campus Wide Energy Projects	\$676
	Coulter Library Program Study	\$300
	Green Academic/Administrative Building	\$18,900
New	Site Improvements	\$2,794
New	Technology Improvements	\$1,482
	OCC Total	\$29,867
	County Wide Total	\$327,075
	Special Funds	
	Water Environment Protection	
	Harbor Brook Drainage Improvements	\$5,650
	Baldwinsville Seneca Knolls WWTP Upgrade Project	\$3,950
	Metropolitan Syracuse WWTP Phase II Odor Control	\$3,150
	Onondaga Lake Improvement Project	\$222,347
	Wastewater Transportation System Improvements	\$59,775
	Oak Orchard Facilities Improvement	51700
	Westside Pumping Station Service Area	\$15,850
New	Electronic Park Trunk Sewer Improvements	\$13,600
New	Metro WWTP BAF/HRFS Improvements	\$2,820

New	Metro WWTP Digester Complex Improvements and Rehabilitation	\$2,188
New	Metro WWTP Grit Handling Improvements	\$5,030
	Sewer Total	\$386,060
	Van Duyn Extended Care Division	
	Ceiling Lift Installation	\$1,830
	Foodservice Delivery Renovations Phase II	\$7,754
New	Linen and Chute Project	\$1,819
	Nursing Units and Common Areas Reconfiguration	\$17,731
New	Resident Bathrooms and Bathing Area Renovations	\$5,634
	Window Replacement	\$1,470
	Van Duyn Total	\$36,238
	Metropolitan Water Board	
	Covering Terminal Reservoir	\$26,626
New	Pump Drive Replacement	\$2,355
	Water System Refurbishment/ Replacement	\$5,250
	Water Total	\$34,231
	Special Funds Total	\$456,529
	Grand Total	\$783,604

Source of Proposed Project Funding (\$ in 000's)

County Wide	2010	2011	2012	2013	2014	2015	6yr Total
General Fund							
County Tax Revenues	\$475	\$475	\$475	\$475	\$475	\$475	\$2,850
Borrowing to be Authorized	\$5,950	\$17,440	\$14,312	\$37,541	\$19,330		\$94,573
Federal Aid	\$12,800	\$4,000					\$16,800
State Aid		\$1,000					\$1,000
Other	\$3,210	\$15					\$3,225
Sub Totals	\$22,435	\$22,930	\$14,787	\$38,016	\$19,805	\$475	\$118,448
County Road							
County Tax Revenues	\$550	\$2,101	\$2,888	\$3,800	\$5,301	\$6,308	\$20,948
Borrowing to be Authorized	\$31,650	\$19,660	\$10,407	\$12,410	\$12,618	\$13,491	\$100,236
Federal Aid	\$6,828	\$3,835	\$11,530				\$22,193
State Aid	\$5,888	\$5,539	\$6,898	\$4,748	\$4,748	\$4,748	\$32,569
Sub Totals	\$44,916	\$31,135	\$31,723	\$20,958	\$22,667	\$24,547	\$175,946
Library							
Authorized Borrowing	\$2,250						\$2,250
State Aid	\$364						\$364
Other	\$200						\$200
Sub Totals	\$2,814						\$2,814
Community College							
Borrowing to be Authorized	\$3,150	\$4,547	\$7,067	\$170			\$14,934
State Aid	\$3,150	\$4,547	\$7,066	\$170			\$14,933
Sub Totals	\$6,300	\$9,094	\$14,133	\$340	\$0	\$0	\$29,867
County Wide Totals	\$76,465	\$63,159	\$60,643	\$59,314	\$42,472	\$25,022	\$327,075
Special Funds							
Van Duyn							
Borrowing to be Authorized		\$36,238					\$36,238
Sub Totals	\$0	\$36,238	\$0	\$0	\$0	\$0	\$36,238
Water							
Cash on Hand	\$1,350	\$1,100	\$1,000	\$1,250	\$1,250		\$5,950
Borrowing to be Authorized	\$1,855		\$500	\$7,500	\$7,500	\$10,926	\$28,281
Sub Totals	\$3,205	\$1,100	\$1,500	\$8,750	\$8,750	\$10,926	\$34,231
Sewer							
Cash on Hand	\$4,325	\$2,700	\$2,800	\$2,500	\$2,500	\$2,500	17,325
Authorized Borrowing	\$30,000	\$94,000					124,000
Borrowing to be Authorized	\$57,925	\$61,525	\$38,963	\$16,800	\$7,350	\$2,400	184,963
Federal Aid	\$10,000	\$9,350					19,350
State Aid	\$10,000	\$15,422	\$10,000	\$5,000			40,422
Sub Totals	\$112,250	\$182,997	\$51,763	\$24,300	\$9,850	\$4,900	\$386,060
Special Funds	\$115,455	\$220,335	\$53,263	\$33,050	\$18,600	\$15,826	\$456,529
Grand Total	\$191,920	\$283,494	\$113,906	\$92,364	\$61,072	\$40,848	\$783,604

All Funds
Debt Service Summary

Payments in \$000's	Principal & Interest Scheduled Debt	Estimated Debt Authorized & Unissued	Proposed Future Debt	Total
2010	\$34,307	\$0	\$0	\$34,307
2011	\$36,420	\$1,539	\$6,042	\$44,001
2012	\$35,478	\$5,304	\$19,344	\$60,126
2013	\$32,348	\$7,913	\$28,229	\$68,490
2014	\$31,103	\$9,464	\$35,240	\$75,807
2015	\$29,274	\$9,748	\$40,328	\$79,350
2016	\$28,123	\$9,493	\$42,844	\$80,460
2017	\$26,943	\$9,390	\$42,701	\$79,034
2018	\$25,364	\$9,249	\$41,551	\$76,164
2019	\$23,397	\$9,080	\$40,406	\$72,883
2020	\$19,814	\$8,995	\$39,262	\$68,071
2021	\$18,736	\$7,980	\$38,117	\$64,833
2022	\$17,076	\$7,980	\$36,214	\$61,270
2023	\$16,067	\$7,882	\$34,341	\$58,290
2024	\$14,340	\$7,646	\$32,307	\$54,293
2025	\$10,534	\$7,480	\$30,263	\$48,277
2026	\$9,679	\$6,738	\$28,917	\$45,334
2027	\$6,978	\$6,016	\$27,325	\$40,319
2028	\$5,163	\$5,582	\$25,832	\$36,577
2029	\$4,202	\$5,511	\$24,318	\$34,031
2030	\$2,970	\$5,439	\$22,698	\$31,107
2031	\$2,939	\$4,740	\$21,111	\$28,790
2032	\$2,911	\$4,324	\$15,201	\$22,436
2033	\$2,878	\$1,674	\$8,395	\$12,947
2034	\$2,839	\$1,670	\$5,413	\$9,922
2035	\$2,810	\$1,679	\$2,513	\$7,002
Total	\$442,693	\$162,516	\$688,912	\$1,294,121

CIP Proposed Projects
Summary of 2010 Estimated Expenses

Department/Project General Funds	2010 Costs Only (\$ in 000's)
General Fund	
Department of Corrections	
New Physical Plant Improvements & Security Updates	\$472
Facilities Management	
Community Plaza Garage	\$2,730
Elevator Modernization - Public Safety Building	\$510
Information Technology	
New Voice Over Internet Protocol (VoIP) System	\$2,054
Parks and Recreations	
Onondaga Lake Trail (E-W Link)	\$16,000
Parks Improvements and Maintenance	\$475
Alliance Bank Stadium Scoreboard Replacement Project	\$1,284
Sheriff Police/Civil	
Heliport Replacement	\$194
Transportaion	
Bituminous Surface Treatment	\$635
Bridges	\$1,699
Capital Highway Construction	\$9,219
Cold Mix Bituminous Paving	\$2,625
Guide Rail	\$410
New Rehabilitate North Area and Camillus Highway Maintenance Facilites	\$21,000
Repaving Program (Hot Mix Bituminous)	\$8,738
Testing, Drainage and Facilities Repair	\$480
Traffic Systems Management	\$110
General Fund Total	\$68,635
Onondaga County Public Library	
City Branch Library Improvements	\$2,814
Library Total	\$2,814

Onondaga Community College		
	Green Academic/Administrative Building	\$6,300
	Onondaga Community College Total	\$6,300
 County Wide Total		 \$77,749
 Special Funds		
Water Environment Protection		
	Harbor Brook Drainage Improvements	\$1,150
	Baldwinsville Seneca Knolls WWTP Upgrade Project	\$350
	Onondaga Lake Improvement Project*	\$88,575
	Wastewater Transportation System Improvements	\$8,025
	Oak Orchard Facilities Improvement	\$2,100
	Westside Pumping Station Service Area	\$900
New	Electronic Park Trunk Sewer Improvements	\$7,100
New	Metro WWTP BAF/HRFS Improvements	\$1,820
New	Metro WWTP Digester Complex Improvements and Rehabilitation	\$700
New	Metro WWTP Grit Handling Improvements	\$1,530
	Sewer Total	\$112,250
 Metropolitan Water Board		
	Water System Refurbishment/Replacement	\$750
	Cover Terminal Reservoir	\$100
New	Pump Drive Replacement	\$2,355
	Metropolitan Water Board Total	\$750
 Special Funds Total		 \$115,455
 Grand Total		 \$193,204

* The approach to several major components of this project are presently being evaluated and this could result in significant changes in technology and cost

Proposed Capital Improvement Projects For 2010

The following is a listing with a very brief description of the capital projects that are projected for presentation to the County Legislature for authorization during the year 2010. More detail can be found in the County's 2010-2015 Capital Improvement Plan.

Department of Corrections

Project:	Physical Plant Improvements & Security Updates
Purpose:	Public/Employee Safety/Health, Reduce Operating Costs/Efficiency
Level of Development:	Intermediate
Budget Impact:	\$0
Project Description:	This project provides for additional security cameras throughout the facility, the phased replacement of officer radios and touch screen control panels to be used in housing units. It also includes a chiller and air-handling unit for the main building, the resurfacing of roadways and parking lots of the facility and replacement of aging hot water heaters, laundry equipment and boiler used for laundry.

Facilities Management

Project:	Community Plaza Garage
Purpose:	Maintain Existing Investment
Level of Development:	Preliminary
Budget Impact:	\$0
Project Description:	The floor of the Community Plaza parking garage has continued to delaminate as a result of chloride contamination of the steel reinforcing bars in the upper level of the slab. The floor of the garage is, in fact, the foundation for the entire structure including the plaza above. This project is intended to offer a long-term solution to prolong the life of the garage.

Project:	Elevator Modernization - Public Safety Building
Purpose:	Maintain Existing Investment
Level of Development:	Preliminary
Budget Impact:	(\$5,000)

Project Description: Modernization/remediation of one freight and four passenger elevators in the Public Safety Building. One elevator will be decommissioned. These six elevators, original equipment circa 1961, have reached the end of their useful lives, and are increasingly difficult to properly maintain.

Onondaga County Public Library

Project: **City Branch Library Improvements**
Purpose: Reduce Operating Costs/Efficiency, Maintain Existing Investment, Community/Economic Development
Level of Development: Intermediate
Budget Impact: NA
Project Description: Address and improve the infrastructure needs of the eight branch libraries located throughout the City of Syracuse

Information Technology

Project: **Voice Over Internet Protocol (VoIP) System (NEW)**
Purpose: Reduce Operating Costs/Efficiency, Maintain Existing Investment
Level of Development: Preliminary
Budget Impact: (\$654,000)
Project Description: The Department of Information Technology is considering telephony alternatives to the current phone system environment. Voice Over Internet Protocol (VOIP) is a technology that would allow County employees to access voice phone calls using a broadband internet connection instead of a regular phone line. While not all phone lines would be replaced for safety and security reasons, VOIP offers an opportunity to reduce operational costs and provide enhanced features and functions not currently available.

Parks and Recreations

Project: Onondaga Lake Trail (E-W Link)
Purpose: Community/Economic Development
Level of Development: Preliminary
Budget Impact: \$102,945

Project Description: Construction of eight miles of Class 1 biking trails to link the Onondaga Lake Park East Shore and West Shore Bikeways. Sponsorship of Erie Canal Trail connecting Dewitt west to the park and the park east to the Canal Trail in Jordan.

Project: **Parks Improvements and Maintenance**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment, Community/Economic Development, Maximize Outside Funding, Addition Capacity

Level of Development: Preliminary
Budget Impact: NA
Project Description: This project is a continuation of the previously funded Infrastructure, Preventative Maintenance and Parks for Tomorrow projects This project allows a sustained investment in capital maintenance projects throughout the parks system

Project: **Alliance Bank Stadium Scoreboard Replacement Project**
Purpose: Maintain Existing Investment, Community/Economic Development

Level of Development: Preliminary
Budget Impact: \$0
Project Description: Replacement of the scoreboard including related electronic hardware and software.

Sheriff Police/Civil

Project: **Heliport Replacement**
Purpose: Maintain Existing Investment, Addition Capacity
Level of Development: Intermediate
Budget Impact: \$0
Project Description: This project will renovate the Sheriff's heliport building that houses the Sheriff's Office Special Enforcement Section. This section is made up of Aviation, Navigation, K-9, Snowmobile, Underwater Search & Recovery, Hazardous Device Disposal, SWAT, Firearms Training and the Armorer. The building serves as the base of operation for these units and houses a variety of Sheriff's Office vehicles and equipment.

Transportation

Project: **Bituminous Surface Treatment**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment
Level of Development: Ongoing
Budget Impact: \$0
Project Description: The treatment of County highways with a bituminous surface treatment to prolong the life of the wearing surface.

Project: **Bridges**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment, Federal/State Mandate, Community/Economic Development
Level of Development: Ongoing
Budget Impact: \$0
Project Description: Maintenance and repair of bridges within the County highway system.

Project: **Capital Highway Construction**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment, Community/Economic Development
Level of Development: Ongoing
Budget Impact: \$0
Project Description: Construction of major highway improvements.

Project: **Cold Mix Bituminous Paving**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment
Level of Development: Ongoing
Budget Impact: \$0
Project Description: Repaving of the 375 miles of secondary County roads on a rotating basis.

Project: **Guide Rail**
Purpose: Public/Employee Safety/Health, Maintain Existing Investment
Level of Development: Ongoing

Budget Impact:	\$0
Project Description:	Install guide rail at various locations on County highways.
Project:	Replacement of North Area and Camillus Highway Maintenance Facilities (NEW)
Purpose:	Public/Employee Safety/Health, Reduce Operating Costs/Efficiency
Level of Development:	Preliminary
Budget Impact:	\$206,522
Project Description:	Replacement of the Department of Transportation's aging North Area and Camillus maintenance facilities with a new, single high performance facility, centrally located in the northern half of Onondaga County.
Project:	Repaving Program (Hot Mix Bituminous)
Purpose:	Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment
Level of Development:	Ongoing
Budget Impact:	\$0
Project Description:	Repaving of major, high volume County roads to maintain our investment in the transportation system.
Project:	Testing, Drainage and Facilities Repair
Purpose:	Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investments
Level of Development:	Ongoing
Budget Impact:	\$0
Project Description:	Support programs for our Annual Work plan
Project:	Traffic Systems Management
Purpose:	Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investments
Level of Development:	Ongoing
Budget Impact:	NA
Project Description:	Traffic System improvements on County highways.

Onondaga Community College

Project:	Green Academic / Administrative Building
Purpose:	Reduce Operating Costs/Efficiency, Addition Capacity

Level of Development: Intermediate
Budget Impact: \$0
Project Description: Provide additional classroom space for academic and training programs and provide administrative office space.

Metropolitan Water Board

Project: **Water System Refurbishment/ Replacement**
Purpose: Maintain Existing Investment
Level of Development: Ongoing
Budget Impact: \$0
Project Description: This project consists of several subprojects identified in a report entitled Facilities Conditions Assessment (3/2002), which need to be addressed to refurbish, renew, replace or upgrade existing system capital improvements. It is an ongoing effort to maintain or replace aging, outdated or deteriorated components of Onondaga County's Lake Ontario water supply system that meet the criteria of capital improvements. These subprojects generally exceed the cost of maintenance projects addressed in the department annual operating budget maintenance & repair account.

Project: **Cover Terminal Reservoir**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment, Federal/State Mandate, Community/Economic Development

Level of Development: Intermediate
Budget Impact: (\$27,500)
Project Description: This project involves covering 30 million gallons of filtered drinking water that is presently stored in an open reservoir at this location.

Project: **Pump Drive Replacement (NEW)**
Purpose: Reduce Operating Costs/Efficiency
Level of Development: Advanced
Budget Impact: (\$179,000)
Project Description: This project consists of replacing original equipment alternating current motors with variable frequency units to improve operating efficiency and save energy. At the raw water pump station two 1,500 hp motors will be replaced and at the Farrell pump station two 800 hp motors will be replaced.

Water Environment Protection

Project: **Baldwinsville Seneca Knolls WWTP Upgrade Project**
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Federal/State Mandate, Community/Economic Development, Addition Capacity

Level of Development: Preliminary

Budget Impact: NA

Project Description: Evaluate the overall infrastructure condition of the Baldwinsville-Seneca Knolls WWTP, with specific focus on evaluation of the energy supply system, pumping system, oxygen generation system (Pressure Swing Adsorption), and chemical tanks. Evaluation to include analysis of flow processing capabilities and sludge processing systems.

Project: **Electronics Park Trunk Sewer Improvements (NEW)**

Purpose: Public/Employee Safety/Health, Federal/State Mandate

Level of Development: Intermediate

Budget Impact: \$0

Project Description: Project proposed to mitigate wet weather sanitary sewer overflow in the Electronics Park Trunk Sewer System. Onondaga County is under an Order on Consent to eliminate the wet weather sanitary sewer overflows from subject sewers.

Project: **Metro WWTP BAF/HRFS Improvements (NEW)**

Purpose: Reduce Operating Costs/Efficiency, Maintain Existing Investment

Level of Development: Preliminary

Budget Impact: \$0

Project Description: Project is for various modifications, upgrades, and improvements to Metro WWTP Biological Aerated Filter (BAF) and High-Rate Flocculated Settling (HRFS) systems so as to enhance and maximize system performance. The BAF and HRFS systems are those unit processes used at Metro to remove ammonia and phosphorus, respectively, in accordance with NYSDEC SPDES permit mandates.

Project: **Metro WWTP Digester Complex Improvements and Rehabilitation (NEW)**

Purpose: Maintain Existing Investment

Level of Development: Preliminary
Budget Impact: \$0
Project Description: Project includes the cleaning and evaluation of Metro WWTP's (four) digesters, digester complex, and digester control house. Rehabilitation of Digester Control Building and #4 Digester - including gas holder cover, heat exchangers, gas compressors, valving (sludge, gas, steam, and hot water), instrumentation, waste gas burners, and associated structural elements on an as needed basis.

Project: **Metro WWTP Grit Handling Improvements (NEW)**
Purpose: Reduce Operating Costs/Efficiency, Maintain Existing Investment

Level of Development: Preliminary
Budget Impact: \$0
Project Description: Project consists of several improvements to grit handling operations in Metro WWTP's New Screen and Grit Building. Operational deficiencies and concerns with existing system negatively influences other aspects of plant operations, including increased wear and tear on other equipment such as primary pumps and other processing equipment.

Project: Harbor Brook Drainage Improvements
Purpose: Public/Employee Safety/Health, Maintain Existing Investment, Addition Capacity

Level of Development: Preliminary
Budget Impact: \$0
Project Description: Design and construction of improvements in the Harbor Brook Drainage District, particularly in the covered reach between Delaware Street and State Fair Boulevard. Main project elements to include culvert repair and replacement and channel reconstruction. Added elements include inspection of the Harbor Brook dam and repair of deficiencies.

Project: **Oak Orchard Facilities Improvement (Collection System and Plant Phase II)**

Purpose: Reduce Operating Costs/Efficiency, Maintain Existing Investment, Community/Economic Development, Addition Capacity

Level of Development: Preliminary

Budget Impact: NA
Project Description: Perform a comprehensive study to evaluate and recommend corrective measures for the operational deficiencies and problems at the Oak Orchard WWTP. The study will also serve to identify the future additional capacity that will be needed at the treatment plant. In conjunction with that work, the tributary sewer convenience system will be evaluated. Construction will be done based on this study.

Project: **Onondaga Lake Improvement Project**
Purpose: Public/Employee Safety/Health, Maintain Existing Investment, Federal/State Mandate, Addition Capacity

Level of Development: Ongoing

Budget Impact: \$0

Project Description: This project consists of several categories of projects including interim improvements at METRO; interim CSO abatement facilities; demonstration and full-scale ammonia and phosphorus removal facilities; three major CSO capture/conveyance and treatment facilities; and separation of combined sewers in specified areas. As of now the approach to several major components of this project and the current court ordered agreement (ACJ) are being evaluated and this could result in significant changes in technology, cost and schedule and will include required implementation of green infrastructure technologies.

Project: Wastewater Transportation System Improvements
Purpose: Public/Employee Safety/Health, Reduce Operating Costs/Efficiency, Maintain Existing Investment, Federal/State Mandate

Level of Development: Ongoing

Budget Impact: \$0

Project Description: This project consists of three primary or categorical elements: pump station improvements, trunk sewer improvements, and facility maintenance improvements (i.e., paving, roofing, larger-scale maintenance activities).

Project: **Westside Pumping Station Service Area**
Purpose: Public/Employee Safety/Health, Maintain Existing Investment, Community/Economic Development, Addition Capacity

Level of Development: Preliminary

Budget Impact:

\$0

Project Description:

Implement recommendations from Westside Service Area Sewer System Evaluation Survey (SSES); improvements to potentially include sewer rehabilitation, sewer system capacity enhancements, and pump station improvements.