

2015 - 2020 Proposed Sewer CIP

Revised 8-04-15 v12	Requesting Division	Project Name	Ord.	Line#	2014 Balance	2015	2016	2017	2018	2019	2020	Total 2014-2020	
CASH FUNDED PROJECTS													
	ENG SERV	Supplemental CCTV Services (may be operational), 50% outsource		1000				1,045,000	1,076,814	1,109,118	1,142,391	4,373,323	
	ENG SERV	Supplemental CCTV Services (may be operational), 100% outsource		1005			500,000	515,000	530,450	546,364	562,754	2,654,568	
	ENG SERV	Interceptor Condition Analysis (Study) +36" Pipe		1020		225,000	275,000	530,450		562,754		1,593,204	
	ENG SERV	Basement Flooding Grant Program		1040			50,000		50,000		50,000	150,000	
	ENVIR. SERV.	Computer Replacements/Network Enhancements/Lab Pretreatment		1060				39,478				39,478	
	ENVIR. SERV.	Safety and Operational Equipment 2009-2020-ES		1080			49,639	26,319	27,371	28,466	29,605	161,400	
	SEWERS	Vactor Lease	156-11			59,208						59,208	
	SEWERS	Safety Equipment - SD		1100	\$50,000							0	
	SEWERS	Heavy Equipment		1120		160,000	846,450	884,540	924,345	965,940	1,009,407	4,790,682	
	UTIL ADM	SAP Enhancements		1140			525,000	45,000	40,000	40,000	40,000	690,000	
	Water Treat	Meters					1,140,000	1,140,000	1,140,000	1,140,000	1,140,000	5,700,000	
	DPU	Vehicle Replacement - Small Vehicles		1180								0	
Page 1	TOTAL CASH FUNDED PROJECTS						444,208	3,386,089	4,225,787	3,788,980	4,392,642	3,974,167	20,211,863

LOAN/Bond FUNDED PROJECTS												
	WATER REC	Secondary Improvement I-44 C&D (Design & Const)		2000		0	4,000,000	4,000,000	1,000,000			9,000,000
	ENG SERV	Remediation of Large Diameter Sewer (In'cld Design), minimum		2020				6,000,000	1,163,900	1,198,817	1,234,782	9,597,499
	ENG SERV	Remediation of Large Diameter Sewer (In'cld Design), 1% of system/year		2025					2,173,300	2,238,499	2,305,654	6,717,453
	ENG SERV	Annual Rehabilitation and Lining - 36" and less, 0.5% of system/year, grout laterals		2040				1,411,100	1,453,433	1,497,036	1,541,947	5,903,516
	ENG SERV	Annual Rehabilitation and Lining - 36" and less, 1% of system/year, line laterals		2045				8,744,700	9,007,041	9,277,252	9,555,570	36,584,563
	ENG SERV	Detroit SSO Elimination Phase 2		2050							9,177,000	9,177,000
	ENG SERV	SSO Elimination Heatherdowns (Design 2015 and Const)		2060			1,000,000	254,000	25,000	25,000		1,304,000
	ENG SERV	SSO Elimination Arlington (Design 2015 and Const)		2080			500,000	257,000		0	662,000	1,419,000
	ENG SERV	Sanitary Sewer Replacement Misc, 0.5% of system/year, assume 5% line		2100			200,000	311,060	320,392	330,004	339,904	1,501,359
	ENG SERV	Sanitary Sewer Replacement Misc, 1% of system/year, assume 5% line		2105				622,120	640,784	660,007	679,807	2,602,718
	WATER REC	Primary Treatment Facility Plan (PTFP)		2120			250,000					250,000
	WATER REC	Chemical Facility Design Engineering & Construction		2140							450,000	450,000
	WATER REC	Solids Handling Renovations I-60A Design & Construction		2160			300,000	4,500,000	1,500,000			6,300,000
	WATER REC	Solids Handling Renovations I-60B Design & Construction		2180				850,000	6,500,000	6,000,000	1,500,000	14,850,000
	WATER REC	Solids Handling Renovations I-60C Design & Construction		2200					1,500,000	10,500,000	12,500,000	24,500,000
	WATER REC	Solids Handling Renovations I-60D Design & Construction		2220							2,500,000	2,500,000
	WATER REC	WPS I-46D, VFD 2 & 3 Replacement		2240				75,000	575,000			650,000
	WATER REC	ESPS Force Main & Pumping Modifications Design & Construction		2260								0
	WATER REC	Sanitary & Storm PS Replacement		2280			200,000	200,000	200,000	200,000	200,000	1,000,000
	WATER REC	Secondary Treatment Facility Plan (STFP)		2300			400,000					400,000
	WATER REC	Disinfection Design & Construction		2320				350,000	3,000,000	500,000		3,850,000
	WATER REC	Nutrient Removal Design & Construction		2340				650,000	2,600,000	5,000,000		8,250,000
	WATER REC	WW Grit Facility Design and Construction		2360					350,000	2,500,000	1,000,000	3,850,000
	WATER REC	WW HRC Facility Electrical Modifications Design & Construction		2380			25,000	250,000				275,000
	WATER REC	Primary Treatment Design Engineering & Construction		2400								0
	WATER REC	Blower Building Renovation, Ventilation Upgrade, I-55B Design & Construct.		2420								0
	WATER REC	Solids Handling Facility Plan (SHFP)		2440			250,000					250,000
	WATER REC	Solids Handling Equipment Upgrades and Replacements		2460			1,500,000	1,000,000	1,000,000	1,000,000	500,000	5,000,000
	WATER REC	BVPS VFD #1 and #6 Replacement, Design Engineering & Construction		2480				75,000	775,000			850,000
	WATER REC	ESPS VFD #1 and #6 Replacement, Design Engineering & Construction		2500				75,000	575,000			650,000
	WATER REC	Plant PLC Upgrade and Replacement		2520			25,000	25,000	25,000	25,000	25,000	125,000
	WATER REC	Plant Telemetry Upgrade and Improvement		2540			25,000	25,000	25,000	25,000	25,000	125,000
	WATER REC	Plant Security System Upgrade and Replacement		2560			50,000					50,000
	WATER REC	Plant Electric Actuator Replacement		2580			200,000	100,000				300,000

APPROVED.

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Revised 8-04-15 v12	Requesting Division	Project Name	Ord.	Line#	2014 Balance	2015	2016	2017	2018	2019	2020	Total 2014-2020
TOTAL LOAN/BOND FUNDED PROJECTS			Low Range			0	8,925,000	20,408,160	22,587,725	28,800,857	31,655,632	112,377,374
			High Range			0	8,725,000	22,052,820	31,471,125	37,950,758	41,080,031	141,279,734
Page 2 TWI												
	LTCP- B & V	Illicit Discharged Elimination Program		3000			1,500,000					1,500,000
		Subtotal LTCP				0	1,500,000	0	0	0	0	1,500,000
Total Spending CIP			Low Range			\$444,208	\$13,811,089	\$24,633,947	\$26,376,705	\$33,193,498	\$35,629,790	\$134,089,236
			High Range			\$444,208	\$13,611,089	\$26,278,607	\$35,260,105	\$42,343,400	\$45,054,188	\$162,991,597

Funded by Rate increase effective 1/1/15
TWI Debt Funded Projects

LTCP- B & V	Collingwood Green Construction (City Rpr/cm) -- 1	2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
LTCP- B & V	Highland SSES & Sewer Separation Construction	300,000	0	0	0	0	0	0	0	0	0	300,000
LTCP- B & V	Highland SSES & Sewer Separation Construction	0	2,000,000	0	0	0	0	0	0	0	0	2,000,000
LTCP- B & V	Collingwood Green Construction (City Rpr/cm) -- 2	0	74,000	0	0	0	0	0	0	0	0	74,000
LTCP- B & V	Collingwood Green Construction (City Rpr/cm) -- 3	0	0	290,000	0	0	0	0	0	0	0	290,000
LTCP- B & V	Dearborn Storage Basin C/CPS	1,463,944	8,783,664	4,391,832	0	0	0	0	0	0	0	14,639,440
LTCP- B & V	International Park Storage Pipeline DS	400,000	1,221,417	200,000	0	0	0	0	0	0	0	1,821,417
LTCP- B & V	Queen Spencer Construction	0	1,500,000	500,000	0	0	0	0	0	0	0	2,000,000
LTCP- B & V	Downtown Tunnel Sys Storage Basin LA/DS	0	1,894,737	1,894,737	1,894,736	0	0	0	0	0	0	5,684,210
LTCP- B & V	Swan Creek North Storage Tunnel Ext DS	202,036	1,039,954	1,039,954	433,846	0	0	0	0	0	0	2,715,790
LTCP- B & V	Swan Creek South Tunnel In-System Storage DS	0	9,287	27,860	9,287	0	0	0	0	0	0	46,434
LTCP- B & V	Ottawa River South Storage Basin & Conv C/CPS	0	27,532,144	27,532,144	27,532,144	0	0	0	0	0	0	82,596,432
LTCP- B & V	Paine Regulator Modifications DS	0	0	57,886	115,774	57,886	0	0	0	0	0	231,546
LTCP- B & V	International Park Storage Pipeline C/CPS	0	0	6,272,670	12,545,339	6,272,669	0	0	0	0	0	25,090,678
LTCP- B & V	Fassett Regulator Modifications DS	0	0	69,174	138,347	69,173	0	0	0	0	0	276,694
LTCP- B & V	Swan Creek South Tunnel In-System Storage C/CPS	0	0	0	248,424	372,636	0	0	0	0	0	621,060
LTCP- B & V	Pathogen Study	100,000	100,000	100,000	100,000	100,000	0	0	0	0	0	500,000
LTCP- B & V	Paine Regulator Modifications C/CPS	0	0	0	0	1,122,543	1,122,542	0	0	0	0	2,245,085
LTCP- B & V	Fassett Regualtor Modifications C/CPS	0	0	0	0	1,031,316	1,031,316	0	0	0	0	2,062,632
LTCP- B & V	Program Mgmt General (Black & Veatch) (Contract 153-02/10yr)	715,925	715,925	715,925	715,925	715,925	715,925	715,925	715,925	715,925	715,925	5,011,475
LTCP- B & V	2c - Design Loan	0	791,800	791,800	791,800	791,800	1,563,532	771,732	0	0	0	5,502,463
LTCP- B & V	Downtown Tunnel Sys Storage Basin C/CPS	0	0	0	7,069,807	21,209,422	21,209,422	7,069,807	0	0	0	56,558,458
LTCP- B & V	Swan Creek North Storage Tunnel Ext C/CPS	0	0	0	5,404,473	9,457,827	9,457,826	2,702,237	0	0	0	27,022,363
Total Loan Funded Projects		\$5,681,905	\$45,662,928	\$43,883,982	\$56,999,902	\$41,201,197	\$35,100,563	\$11,259,701	\$35,100,563	\$11,259,701	\$35,100,563	\$239,790,177

Cash Funded Costs		2015	2016	2017	2018	2019	2020	Total	
UTIL ADM-TWI	Consent Decree Prog Oversight (AA, Legal, Eng, PM)	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000	
UTIL ADM-TWI	ORS Loan Fee	350,500						350,500	
UTIL ADM-TWI	LTCP 2C Loan Fee	73,164						73,164	
UTIL ADM-TWI	Queen/Spencer Loan Fee		7,000					7,000	
UTIL ADM-TWI	Queen/Spencer Easements/Land		50,000					50,000	
UTIL ADM-TWI	SCN Tunnel Ext. Loan Fee			94,580				94,580	
UTIL ADM-TWI	SCN Tunnel Ext. Easements/Land			50,000				50,000	
UTIL ADM-TWI	DT Basin Loan Fee			197,960				197,960	
UTIL ADM-TWI	DT Basin Land 20 year lease		125,000	127,500	130,050	132,651	135,304	788,515	
UTIL ADM-TWI	Dearborn Loan Fee	63,285						63,285	
UTIL ADM-TWI	International Park Loan Fee			87,819				87,819	
UTIL ADM-TWI	International Park Easements/Land		50,000					50,000	
UTIL ADM-TWI	Fund Short Fall		2,073,438					2,073,438	
TOTALCASH FUNDED PROJECTS		\$736,949	\$2,555,438	\$807,859	\$380,050	\$382,651	\$385,304	\$388,010	\$5,636,260

Total Loan & Cash Funded Projects \$6,418,854 \$48,218,366 \$44,691,841 \$57,379,952 \$41,583,848 \$35,485,867 \$11,647,711 \$245,426,437