

Metropolitan Sewer District of Greater Cincinnati

Capital Budget and Capital Improvement Program Year 2015

DRAFT

Friday, August 15, 2014

**Metropolitan Sewer District of Greater Cincinnati
Capital Budget and Capital Improvement Program
Year 2015**

Table of Contents

	<u>Page</u>
Glossary of Terms	3
2015 CIP Planning/Design/Easement Funding Request	4
2015 CIP Projects	6
Annual CIP Legislation Assumptions	10
2015 WWIP Projects	12
2015 ASSET Projects	50
2016 CIP	99
2017 CIP	104
2018 CIP	108
2019 CIP	111

Glossary of Terms

Abbreviation

Description

APPROPRIATED	Current legislative funding approved for the project
BIORETENTION	BIORETENTION
BOCC	Board of County Commissioners, Hamilton County, OH
CEHRT	Chemically Enhanced High Rate Treatment
CIP	Capital Improvement
CSO	Combined Sewer Overflow; discharge from a combined sewer collection system.
EPA	Environmental Protection Agency
ESP	Early Success Project
FUTURE LEGISLATION	Future and pending legislative requests.
HA	Highly Active SSOs (HASSOs)
HW/DW	High Water, Dry Weather, refers to a specific type of CSO, the condition that occurs when the interceptor sewer floods from area rivers or creeks back-flowing into a CSO structure, resulting in extraneous waters that cause a combined discharge further down the collection system
MGD	Million Gallons per Day
MSD	Metropolitan Sewer District
NPDES	National Pollution Discharge Elimination System; permitting authority overseen by USEPA
O&M	Operations and Maintenance
OEPA	Ohio Environmental Protection Agency
PACKAGE PLANT	Small, remote treatment facility
PS/PUMP STATION	Installation that serves to lift the wastewater from a deep section of the collection system to a level closer to the ground surface
PSO	Pump Station Overflow
RDI/I	Rainfall Derived Infiltration Inflow (IL), extraneous sources of storm ground water into a sanitary sewer system
SBU	Sewer Back Up
SCADA	Supervisory Control and Data Acquisition
SMU	Stormwater Management Utility
SOURCE CONTROL	SOURCE CONTROL
SSO	Sanitary Sewer Overflow; discharge from a separate sanitary sewer
USEPA	United States Environmental Protection Agency
WIB	Water-In-Basement
WWC	Wastewater Collection Division of MSD
WWIP	Wet Weather Improvement Program
WWT	Wastewater Treatment Division of MSD
WWTP	Wastewater Treatment Plant



2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Planning/Design/Easement Funding Request

Project No	CIP Type	Project Type	Project Name	P/D/E Funds Requested
10130020	WWIP	SWR	Muddy Creek Interceptor Rehabilitation (Planning)	\$300,000
10170810	WWIP	TRT	LMWWTP Electrical Feeders (Design)	\$588,800
10170811	WWIP	TRT	LMWWTP Solids Handling Improvements (Design)	\$1,523,100
10190315	WWIP	ALW	Home Sewer Treatment System Extensions 2015 (Planning)	\$200,000
10199015	WWIP	ALW	Wet Weather Program Management and Support Services 2015	\$10,000,000
10330015	WWIP	LOC	Werk Road Local Sewer (HN 5544-5686) (Design)	\$80,000
11142750	WWIP	SUS	Brent Spence Bridge I-75 Reconstruction Coordination (Planning)	\$620,000
11170050	WWIP	SUS	East Duck Creek Watershed Plan (Planning)	\$411,000
11240000	WWIP	SUS	Lick Run Valley Conveyance System (Design)	\$4,170,700
11240130	WWIP	SUS	Queen City Ave Sewer Separation Phase 2 (Design)	\$703,400
11540010	WWIP	SWR	Mt Airy Receiving Sewer Upgrade (Design,Easement)	\$517,900
10200001	ASSET	TRT	Great Miami WWTP (Design)	\$5,000,000
10240151	ASSET	TRT	MCWWTP Administration and Annex Building Modifications (Design)	\$313,000
10240382	ASSET	CSO	CSO 5 (Lick Run RTC) Improvements (Design)	\$25,000
10240460	ASSET	SWR	Fairbanks Avenue Sewer Replacement (Design,Easement)	\$282,500
10240465	ASSET	SWR	Hosea Street Sewer Replacement (Design)	\$397,900
10240495	ASSET	SWR	Wahl Terrace Sewer Replacement (Design,Easement)	\$577,800
10240545	ASSET	SWR	Central Parkway Sewer Replacement (HN 2402) (Design,Easement)	\$129,200
10240560	ASSET	SWR	Schulte Drive Sewer Replacement (Design,Easement)	\$145,100
10240585	ASSET	TRT	MCWWTP Two-Bay Solids Receiving Facility (Design)	\$1,008,100
10240590	ASSET	TRT	MCWWTP Main Substation Improvements (Planning,Design)	\$496,700
10240595	ASSET	TRT	MCWWTP Power Bldg Medium Voltage Switchgear (Planning,Design)	\$148,400
10240645	ASSET	NON	WWC Maintenance Shop Improvements (Design)	\$144,850
10240646	ASSET	NON	WWC Storeroom Driveway Flood Protection (Design)	\$150,000
10250030	ASSET	TRT	Polk Run UV System Post Aeration Improvements (Design)	\$225,000
10250035	ASSET	TRT	Polk Run Non-Potable Water Upgrades (Design)	\$102,000
10270155	ASSET	SWR	Paxton Avenue Sewer Rehabilitation (Design,Easement)	\$332,600
10270170	ASSET	CSO	CSO 83 and 472 Dynamic Underflow Control (Design)	\$400,000
10270175	ASSET	SWR	East Hill Ave Sewer Replacement (Design,Easement)	\$279,700
10280124	ASSET	ALW	CIP Project Planning (Planning)	\$2,500,000
10280235	ASSET	SWR	Hydraulic Modeling 2015 (Planning)	\$1,500,000
10280615	ASSET	ALW	Water Quality Modeling 2015 (Planning)	\$1,000,000
32 Planning/Design/Easement Projects in 2015				\$ 34,272,750



2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Project ID	Project Category	Project Type	Project Name	2015 Total Requested	Total Project Cost
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2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Project ID	Project Category	Project Type	Project Name	2015 Total Requested	Total Project Cost
10130020	WWIP	SWR	Muddy Creek Interceptor Rehabilitation	\$300,000	\$300,000
10130740	WWIP	CSO	Werk & Westbourne EHRT Facility	\$59,141,666	\$66,593,866
10131180	WWIP	TRT	Muddy Creek WWTP Ad New Belt Filter Press	\$5,190,000	\$5,804,600
10131220	WWIP	SWR	Glenview Pump Station Upgrade	\$831,300	\$1,507,800
10143220	WWIP	CSO	CSO 179 Sewer Separation (Construction)	\$1,601,600	\$2,081,797
10170810	WWIP	TRT	LMWWTP Electrical Feeders	\$588,800	\$588,800
10170811	WWIP	TRT	LMWWTP Solids Handling Improvements	\$1,523,100	\$21,099,400
10180115	WWIP	ALW	Sewer Relining Trenchless Technology Program 2015	\$5,200,000	\$5,200,000
10180215	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2015	\$1,000,000	\$1,000,000
10190315	WWIP	ALW	Home Sewer Treatment System Extensions 2015 (Planning)	\$200,000	\$200,000
10199015	WWIP	ALW	Wet Weather Program Management and Support Services 2015	\$10,000,000	\$10,000,000
10320011	WWIP	LOC	West Fork Road Local Sewer (HNs 5311-5472)	\$475,000	\$587,000
10320075	WWIP	LOC	Old Blue Rock Road Local Sewer (HN 5240-5327)	\$238,100	\$426,510
10330015	WWIP	LOC	Werk Road Local Sewer (HN 5544-5686)	\$751,300	\$835,300
10340024	WWIP	LOC	North Bend Road Local Sewer (HNs 504-565)	\$355,500	\$556,940
10370035	WWIP	LOC	State Road Local Sewer (HNs 7737-7849)	\$459,800	\$613,600
10370045	WWIP	LOC	Mt. Carmel Vicbarb Appleblossom Local Sewer	\$1,491,000	\$1,827,000
10420015	WWIP	LAT	Boomer Road Sewer Lateral Assessment	\$30,100	\$30,100
10430030	WWIP	LAT	Werk Road Sewer Lateral Assessment (HN 6052)	\$40,300	\$40,300
10440055	WWIP	LAT	E. Galbraith Road Sewer Lateral Assessment (HN 4454)	\$45,400	\$45,400
10440060	WWIP	LAT	Pottinger Road Sewer Lateral Assessment (HN 10444)	\$40,300	\$40,300
10450016	WWIP	LAT	Enyart Road Sewer Lateral Assessment	\$40,300	\$40,300
10450025	WWIP	LAT	E. Kemper Road Sewer Lateral Assessment (HN 269)	\$25,000	\$25,000



2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Project ID	Project Category	Project Type	Project Name	2015 Total Requested	Total Project Cost
10450030	WWIP	LAT	E. Kemper Road Sewer Lateral Assessment	\$50,500	\$50,500
10460000	WWIP	LAT	Drake Road Sewer Lateral Assessment (HN 7315)	\$35,200	\$35,200
11142750	WWIP	SUS	Brent Spence Bridge I-75 Reconstruction Coordination	\$620,000	\$620,000
11170050	WWIP	SUS	East Duck Creek Watershed Plan (Planning)	\$411,000	\$411,000
11240000	WWIP	SUS	Lick Run Valley Conveyance System (Design,Construction)	\$104,664,600	\$157,800,800
11240001	WWIP	SUS	Lick Run Property Demolitions (Construction)	\$2,488,600	\$4,029,600
11240130	WWIP	SUS	Queen City Ave Sewer Separation Phase 2	\$10,252,400	\$11,192,800
11240170	WWIP	SUS	Quebec Heights Sewer Separation	\$3,120,000	\$3,682,800
11243140	WWIP	SUS	CSO 217 483 Source Control Phase A	\$3,772,400	\$7,319,300
11530000	WWIP	SWR	Upper Muddy Creek Interceptor Replacement	\$14,306,800	\$17,802,200
11530001	WWIP	SWR	Upper Muddy Creek Interceptor Replacement Contract A	\$939,000	\$939,000
11540010	WWIP	SWR	Mt Airy Receiving Sewer Upgrade	\$517,900	\$3,151,100
13090000	OTHER	PGA	Programmatic Contingency (Design)	\$10,000,000	\$61,630,046
10200001	ASSET	TRT	Great Miami WWTP	\$5,000,000	\$62,673,027
10230130	ASSET	SWR	Dry Weather Channel for SS 937	\$3,485,800	\$3,906,200
10240027	ASSET	SWR	Cora Avenue Sewer Replacement	\$647,100	\$1,137,000
10240029	ASSET	SWR	German Cemetery Sewer Replacement	\$695,000	\$1,025,428
10240144	ASSET	SWR	Millbrook # 2 Pump Station Upgrade	\$870,200	\$1,170,600
10240150	ASSET	SWR	Mt Airy Forest Sewer Replacement	\$5,183,700	\$6,198,500
10240151	ASSET	TRT	MCWWTP Administration and Annex Building Modifications	\$313,000	\$5,729,070
10240291	ASSET	TRT	Mill Creek WWTP Solids Handling Improvements Phase 1	\$12,159,200	\$14,044,200
10240320	ASSET	SWR	Wilder Avenue Sewer Replacement	\$400,200	\$627,600
10240335	ASSET	SWR	3568 Bogart Avenue Sewer Replacement	\$140,500	\$204,516
10240345	ASSET	SWR	Myrtle Avenue Sewer Replacement	\$34,000	\$84,300



2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Project ID	Project Category	Project Type	Project Name	2015 Total Requested	Total Project Cost
10240350	ASSET	SWR	McKeone Avenue Sewer Replacement	\$103,000	\$155,950
10240380	ASSET	CSO	CSO 005 Water Connection	\$71,000	\$97,400
10240382	ASSET	CSO	CSO 5 (Lick Run RTC) Improvements	\$200,000	\$200,000
10240410	ASSET	SWR	Sharp Alley Sewer Replacement	\$502,700	\$615,900
10240430	ASSET	SWR	Berkley Avenue Sewer Replacement	\$583,300	\$734,900
10240435	ASSET	SWR	Pleasant Run Central Force Main Repairs (Construction)	\$1,068,000	\$1,244,600
10240460	ASSET	SWR	Fairbanks Avenue Sewer Replacement	\$282,500	\$742,000
10240465	ASSET	SWR	Hosea Street Sewer Replacement	\$397,900	\$2,595,100
10240495	ASSET	SWR	Wahl Terrace Sewer Replacement	\$577,800	\$1,361,300
10240535	ASSET	SWR	Stout Avenue Sewer Improvements	\$707,600	\$841,600
10240545	ASSET	SWR	Central Parkway Sewer Replacement (HN 2402)	\$129,200	\$471,500
10240560	ASSET	SWR	Schulte Drive Sewer Replacement	\$145,100	\$554,200
10240565	ASSET	NON	Overflow Parking lot for MSDGC Engineering and Administration Buildings (Construction)	\$475,000	\$475,000
10240585	ASSET	TRT	MCWWTP Two-Bay Solids Receiving Facility (Design,Construction)	\$1,008,100	\$12,807,100
10240590	ASSET	TRT	MCWWTP Main Substation Improvements (Planning,Design,Construction)	\$496,700	\$2,988,700
10240595	ASSET	TRT	MCWWTP Power Bldg Medium Voltage Switchgear (Planning,Design,Construction)	\$517,400	\$517,400
10240645	ASSET	NON	WWC Maintenance Shop Improvements	\$144,850	\$1,163,340
10240646	ASSET	NON	WWC Storeroom Driveway Flood Protection	\$150,000	\$700,000
10241820	ASSET	TRT	SSO 700 Facility Improvements	\$8,509,500	\$8,880,500
10250030	ASSET	TRT	Polk Run UV System Post Aeration Improvements	\$225,000	\$1,735,000
10250035	ASSET	TRT	Polk Run Non-Potable Water Upgrades	\$102,000	\$357,000
10270007	ASSET	SWR	Dry Run Area Sewers Phase 2 Contract RB	\$7,181,100	\$7,181,100



2015 CIP Projects

Metropolitan Sewer District of Greater Cincinnati

Project ID	Project Category	Project Type	Project Name	2015 Total Requested	Total Project Cost
10270120	ASSET	SWR	Cath Calvary Cemetery Sewer Replacement	\$168,700	\$258,300
10270140	ASSET	SWR	Grove Avenue Sewer Replacement	\$211,000	\$287,900
10270145	ASSET	SWR	Columbia Parkway at Delta Sewer Replacement	\$299,000	\$395,500
10270155	ASSET	SWR	Paxton Avenue Sewer Rehabilitation	\$332,600	\$2,066,800
10270170	ASSET	CSO	CSO 83 and 472 Dynamic Underflow Control	\$400,000	\$2,835,810
10270175	ASSET	SWR	East Hill Ave Sewer Replacement	\$279,700	\$1,745,200
10270176	ASSET	SWR	Stanley Ave Lateral Relocations	\$184,800	\$261,800
10280124	ASSET	ALW	CIP Project Planning (Planning)	\$2,500,000	\$21,426,964
10280185	ASSET	ALW	WWT System Asset Renewal 2015 (Construction)	\$5,000,000	\$5,000,000
10280235	ASSET	SWR	Hydraulic Modeling 2015 (Planning)	\$1,500,000	\$1,500,000
10280315	ASSET	ALW	Emergency Sewer Repairs 2015 (Construction)	\$8,500,000	\$8,500,000
10280340	ASSET	SWR	System-Wide Sensor Installation	\$750,000	\$750,000
10280515	ASSET	ALW	High Risk Asset Renewal 2015 (Construction)	\$4,500,000	\$4,500,000
10280615	ASSET	ALW	Water Quality Modeling 2015 (Planning)	\$1,000,000	\$1,000,000
83 CIP Projects for 2015				\$318,879,216	\$581,856,664

ANNUAL CIP LEGISLATION ASSUMPTIONS

The purpose of this page is to provide readers with very broad and high-level assumptions pertaining to the MSD annual CIP legislation. For all in-depth assumptions the reader should refer to the MSD Financial Analysis Manual.

Escalation, Inflation, and Labor Inflation

Per MSD's Financial Analysis Manual (which is updated annually):

- a. Escalation = 3.5%
- b. Inflation = 3.5%
- c. Labor inflation = 3.0%

Planning / Study

The cost for planning or study, during any stage of the planning phase, by MSD personnel or by consultant contract.

Design

The cost for design during the design phase by MSD personnel or by consultant contract.

Pre Construction Services

The cost of project manager and other personnel costs performing support functions during the planning and design phases. Support functions that will likely be charged to this item include Legislation, Invoice Review, Contract Administration.

Miscellaneous Expense

The cost of all permit fees paid directly by MSD, including, PTI, street opening permit, building permits, 401 permits, and other permit fees. Includes utility relocations if not handled during construction.

This is for the design phase only. The basis for this number is found in the MSD's Financial Analysis Manual.

Right of Way

The cost of easement acquisition by City Real Estate personnel, professional services, for appraisal and title opinions, appropriation costs, court costs, and compensation paid to property owners for easements.

Construction

The bid cost to construct the project as estimated by the engineer including startup and commissioning if required for project.

Contingency

The cost for contingency is unforeseen construction costs identified after construction starts and for bids above the amount legislated for construction.

This is calculated based on assumptions in MSD's Financial Analysis Manual.

Construction Services

The cost of project management, construction management, construction inspection, field engineering and other personnel costs performing support function during the construction phase. Support functions that will likely be charged to this item include Legislation, Invoice Review, Contract Administration.

Interest/Financing

The cost to finance the project

This is calculated using a formula in MSD's Financial Analysis Manual.

Rounding of Estimates

All estimates are rounded to the nearest hundred dollar.

2015 WWIP Projects



2015 Projects

Metropolitan Sewer District of Greater Cincinnati

WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total	Page
10130020	WWIP	SWR	Muddy Creek Interceptor Rehabilitation	\$300,000	\$0	\$300,000	14
10130740	WWIP	CSO	Werk & Westbourne EHRT Facility	\$59,141,666	\$0	\$59,141,666	15
10131180	WWIP	TRT	Muddy Creek WWTP Ad New Belt Filter Press	\$5,190,000	\$0	\$5,190,000	16
10131220	WWIP	SWR	Glenview Pump Station Upgrade	\$831,300	\$0	\$831,300	17
10143220	WWIP	CSO	CSO 179 Sewer Separation (Construction)	\$1,601,600	\$0	\$1,601,600	18
10170810	WWIP	TRT	LMWWTP Electrical Feeders	\$588,800	\$0	\$588,800	19
10170811	WWIP	TRT	LMWWTP Solids Handling Improvements	\$1,523,100	\$0	\$1,523,100	20
10180115	WWIP	ALW	Sewer Relining Trenchless Technology Program 2015	\$5,200,000	\$0	\$5,200,000	21
10180215	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2015	\$1,000,000	\$0	\$1,000,000	22
10190315	WWIP	ALW	Home Sewer Treatment System Extensions 2015 (Planning)	\$200,000	\$0	\$200,000	23
10199015	WWIP	ALW	Wet Weather Program Management and Support Services 2015	\$10,000,000	\$0	\$10,000,000	24
10320011	WWIP	LOC	West Fork Road Local Sewer (HNs 5311-5472)	\$475,000	\$0	\$475,000	25
10320075	WWIP	LOC	Old Blue Rock Road Local Sewer (HN 5240-5327)	\$238,100	\$0	\$238,100	26
10330015	WWIP	LOC	Werk Road Local Sewer (HN 5544-5686)	\$751,300	\$0	\$751,300	27
10340024	WWIP	LOC	North Bend Road Local Sewer (HNs 504-565)	\$355,500	\$0	\$355,500	28
10370035	WWIP	LOC	State Road Local Sewer (HNs 7737-7849)	\$459,800	\$0	\$459,800	29
10370045	WWIP	LOC	Mt. Carmel Vicarbarb Appleblossom Local Sewer	\$1,491,000	\$0	\$1,491,000	30
10420015	WWIP	LAT	Boomer Road Sewer Lateral Assessment	\$30,100	\$0	\$30,100	31
10430030	WWIP	LAT	Werk Road Sewer Lateral Assessment (HN 6052)	\$40,300	\$0	\$40,300	32
10440055	WWIP	LAT	E. Galbraith Road Sewer Lateral Assessment (HN 4454)	\$45,400	\$0	\$45,400	33
10440060	WWIP	LAT	Pottinger Road Sewer Lateral Assessment (HN 10444)	\$40,300	\$0	\$40,300	34
10450016	WWIP	LAT	Enyart Road Sewer Lateral Assessment	\$40,300	\$0	\$40,300	35
10450025	WWIP	LAT	E. Kemper Road Sewer Lateral Assessment (HN 269)	\$25,000	\$0	\$25,000	36
10450030	WWIP	LAT	E. Kemper Road Sewer Lateral Assessment	\$50,500	\$0	\$50,500	37
10460000	WWIP	LAT	Drake Road Sewer Lateral Assessment (HN 7315)	\$35,200	\$0	\$35,200	38
11142750	WWIP	SUS	Brent Spence Bridge I-75 Reconstruction Coordination	\$620,000	\$0	\$620,000	39
11170050	WWIP	SUS	East Duck Creek Watershed Plan (Planning)	\$411,000	\$0	\$411,000	40
11240000	WWIP	SUS	Lick Run Valley Conveyance System (Design,Construction)	\$104,664,600	\$0	\$104,664,600	41



2015 Projects

Metropolitan Sewer District of Greater Cincinnati

WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total	Page
11240001	WWIP	SUS	Lick Run Property Demolitions (Construction)	\$2,488,600	\$0	\$2,488,600	42
11240130	WWIP	SUS	Queen City Ave Sewer Separation Phase 2	\$10,252,400	\$0	\$10,252,400	43
11240170	WWIP	SUS	Quebec Heights Sewer Separation	\$3,120,000	\$0	\$3,120,000	44
11243140	WWIP	SUS	CSO 217 483 Source Control Phase A	\$3,772,400	\$0	\$3,772,400	45
11530000	WWIP	SWR	Upper Muddy Creek Interceptor Replacement	\$14,306,800	\$0	\$14,306,800	46
11530001	WWIP	SWR	Upper Muddy Creek Interceptor Replacement Contract A	\$939,000	\$0	\$939,000	47
11540010	WWIP	SWR	Mt Airy Receiving Sewer Upgrade	\$517,900	\$0	\$517,900	48
Total Cost for 35 WWIP CIP Projects				\$230,746,966	\$0	\$230,746,966	

2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Muddy Creek Interceptor Rehabilitation	
Project ID	10130020	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The project is currently in Phase 2 of the Final WWIP, but will be performed during Phase 1. It will help enable restoration of the existing interceptor to maximum capacity by cleaning and will assess condition for potential rehabilitation. Also, the project will enable more accurate flow monitoring to properly calibrate and validate the hydraulic model. The estimated cost of construction has been adjusted to better represent the cost to address 5000ft. of interceptor.

Impact to Operating Budget

None

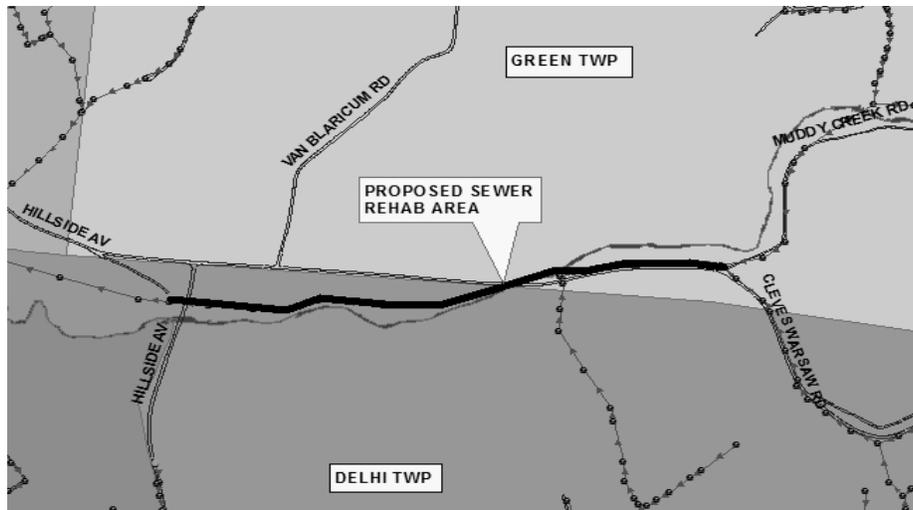
Description and Location

The project scope as defined in Attachment 2 of the Final WWIP is to clean approximately 5,000' of the Muddy Creek Interceptor. The project is located along Cleves-Warsaw Road between Muddy Creek Road and Hillside Avenue in Delhi Township and Green Township. This portion of the Muddy Creek Interceptor consists of 36" and 48" diameter pipes and was installed in 1983 and 1996. The original project cost equals the WWIP estimate escalated to current schedule.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$5,732	\$0	\$300,000	\$0	\$300,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$5,732	\$0	\$300,000	\$0	\$300,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$300,000
	\$300,000	\$0	\$0	\$0	\$0	\$300,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Werk & Westbourne EHRT Facility		
Project ID	10130740	CIP Number	1995-47
CIP Subtype	High Rate Treatment	Sewer Number	3834

Purpose and Justification

This project is required by the Global Consent Decree. This project will remediate frequent health, odor, and aesthetic problems in the neighboring area caused by wet weather discharges from Combined Sewer Overflow (CSO) 522. The project will greatly improve the quality of water being discharged to Muddy Creek during wet weather events. The Werk & Westbourne Enhanced High Rate Treatment (EHRT) facility will serve as a demonstration to assess the effectiveness of EHRT technology for this specific application.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

This project includes construction of a 106 million gallon per day chemically enhanced high rate treatment facility to provide storage, settling, and screening of combined sewage discharges from CSO 522 located at the intersection of Werk Road and Westbourne Drive in the Muddy Creek basin in Green Township, Hamilton County, Ohio.

The original project cost equals the WWIP estimate escalated to current schedule.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$1,913,696	\$1,265,525	\$0	\$0	\$1,265,525
Design	\$1,913,696	\$4,957,418	\$0	\$0	\$4,957,418
Pre-Construction Services	\$1,148,217	\$468,657	\$0	\$0	\$468,657
Miscellaneous Expense	\$806,018	\$197,500	\$0	\$0	\$197,500
Right-of-Way	\$484,244	\$563,100	\$0	\$0	\$563,100
Construction	\$23,872,127	\$0	\$51,725,666	\$0	\$51,725,666
Construction Services	\$2,015,044	\$0	\$4,800,000	\$0	\$4,800,000
Interest / Financing	\$1,007,517	\$0	\$2,616,000	\$0	\$2,616,000
Total	\$33,160,559	\$7,452,200	\$59,141,666	\$0	\$66,593,866

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$7,452,200	\$59,141,666	\$0	\$0	\$0	\$66,593,866

Prior Legislation Action

Oct 2000, Dec 2006, Jan 2007, Dec 2009, Dec 2010, Mar 2011, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Muddy Creek WWTP Ad New Belt Filter Press	
Project ID	10131180	CIP Number
CIP Subtype	Treatment Plant Upgrade	Sewer Number

Purpose and Justification

The project is required to address capacity limitations at the treatment plant. The WWTP currently has one belt filter press. The overall District solids disposal strategy relies on fluidized bed incineration. This project will provide two centrifuge units to increase the WWTP's firm solids dewatering capacity. Original WWIP was based on addition of a single belt filter press; Because the existing belt filter press has reached the end of its' useful life and MSD changing to a district wide solids handling approach, the project scope was changed to replacing the dewatering.

Impact to Operating Budget

None

Description and Location

The project includes construction of a new dewatering system. The project is located at the Muddy Creek WWTP which is located in the Muddy Creek sewershed of the West Basin in the City of Cincinnati's Saylor Park neighborhood, Hamilton County, Ohio. The proposed scope of work will be approved by the Regulators prior to construction legislation.

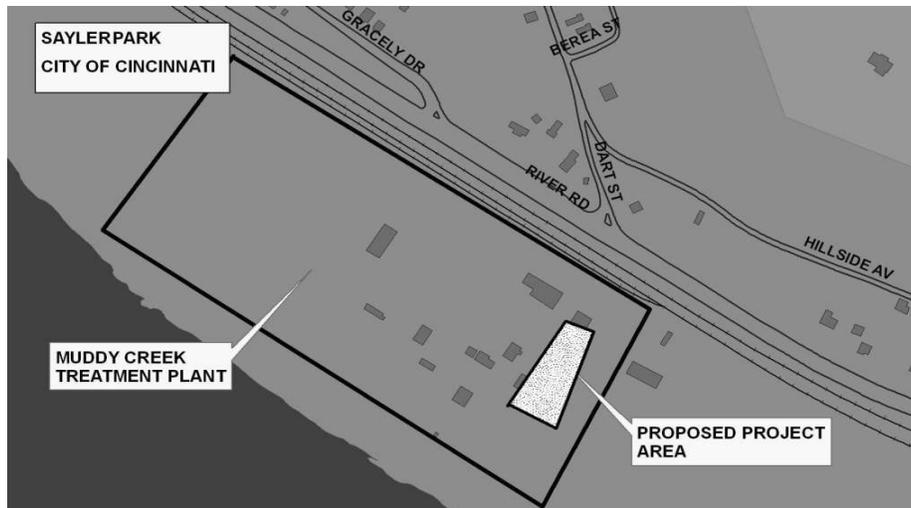
The original project cost equals the WWIP estimate escalated to current schedule.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$171,463	\$463,100	\$0	\$0	\$463,100
Pre-Construction Services	\$49,665	\$114,900	\$0	\$0	\$114,900
Miscellaneous Expense	\$36,402	\$36,600	\$0	\$0	\$36,600
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$1,164,875	\$0	\$4,530,000	\$0	\$4,530,000
Construction Services	\$86,152	\$0	\$520,000	\$0	\$520,000
Interest / Financing	\$0	\$0	\$140,000	\$0	\$140,000
Total	\$1,508,557	\$614,600	\$5,190,000	\$0	\$5,804,600

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$614,600	\$0	\$0	\$0	\$0	\$5,804,600

Prior Legislation Action

Dec 2009, Aug 2012



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Glenview Pump Station Upgrade		
Project ID	10131220	CIP Number	2006-37
CIP Subtype	Pump Station Upgrade	Sewer Number	

Purpose and Justification

This project will upgrade the existing Glenview pump station which has deteriorated beyond its useful life and is not capable of handling wet weather flows. This project has the ability to reduce or possibly eliminate an existing sanitary sewer overflow. (CSO 522)

Impact to Operating Budget

None

Description and Location

This project will install a new 570 GPM pump station northeast of the current Glenview Pump Station. Work includes demolition of the existing pump station, installation of approximately 16 feet of a new 18" gravity sewer from existing wet well to the new wet well and 21 feet of new 6" force main from the new valve vault to the existing force main. This project is located in Green Township.

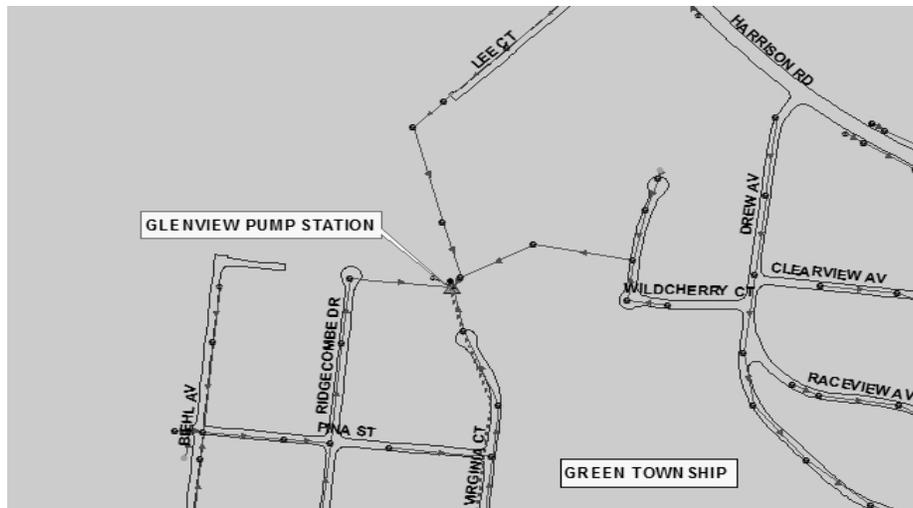
The original project cost equals the WWIP estimate escalated to current schedule.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$88,688	\$327,722	\$0	\$0	\$327,722
Pre-Construction Services	\$35,475	\$44,000	\$0	\$0	\$44,000
Miscellaneous Expense	\$83,490	\$30,000	\$0	\$0	\$30,000
Right-of-Way	\$23,650	\$274,778	\$0	\$0	\$274,778
Construction	\$596,720	\$0	\$745,300	\$0	\$745,300
Construction Services	\$77,527	\$0	\$67,000	\$0	\$67,000
Interest / Financing	\$0	\$0	\$19,000	\$0	\$19,000
Total	\$905,550	\$676,500	\$831,300	\$0	\$1,507,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$676,500	\$831,300	\$0	\$0	\$0	\$1,507,800

Prior Legislation Action

Jun 2011, Feb 2013, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	CSO 179 Sewer Separation	
Project ID	10143220	CIP Number
CIP Subtype	Separation - Full or Partial	Sewer Number

Purpose and Justification

This project will address combined sewer overflows at CSO 179. This project is part of the Upper Northside Bundle and in the Wet Weather Improvement Plan.

Impact to Operating Budget

None

Description and Location

This project includes partial sewer separation to address the overflows at CSO 179. The sewer will install 1440 feet of 12-inch sewer around the Canal Ridge Dump. This project is in the Clifton neighborhood of the City of Cincinnati.

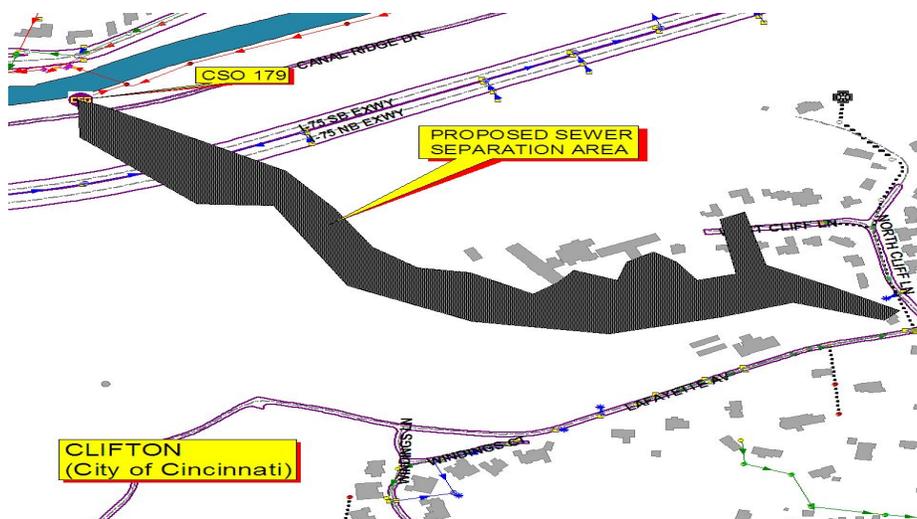
The original project cost equals the WWIP estimate escalated to current schedule.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$88,688	\$24,697	\$0	\$0	\$24,697
Design	\$89,870	\$179,600	\$0	\$0	\$179,600
Pre-Construction Services	\$17,738	\$66,800	\$0	\$0	\$66,800
Miscellaneous Expense	\$35,782	\$15,000	\$0	\$0	\$15,000
Right-of-Way	\$0	\$194,100	\$0	\$0	\$194,100
Construction	\$1,311,991	\$0	\$1,351,900	\$0	\$1,351,900
Construction Services	\$130,006	\$0	\$201,400	\$0	\$201,400
Interest / Financing	\$0	\$0	\$48,300	\$0	\$48,300
Total	\$1,674,075	\$480,197	\$1,601,600	\$0	\$2,081,797

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$480,197	\$1,601,600	\$0	\$0	\$0	\$2,081,797

Prior Legislation Action

Dec 2009, Mar 2011, Dec 2011, Jan 2014, Apr 2014, Jul 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	LMWWTP Electrical Feeders	
Project ID	10170810	CIP Number
CIP Subtype	Treatment Plant Upgrade	Sewer Number

Purpose and Justification

The two electrical feeders from the Linwood Substation that serve the Little Miami WWTP need to be upgraded to increase their capacity to accommodate the proposed additional loads from the other Little Miami WWTP Bundle projects.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

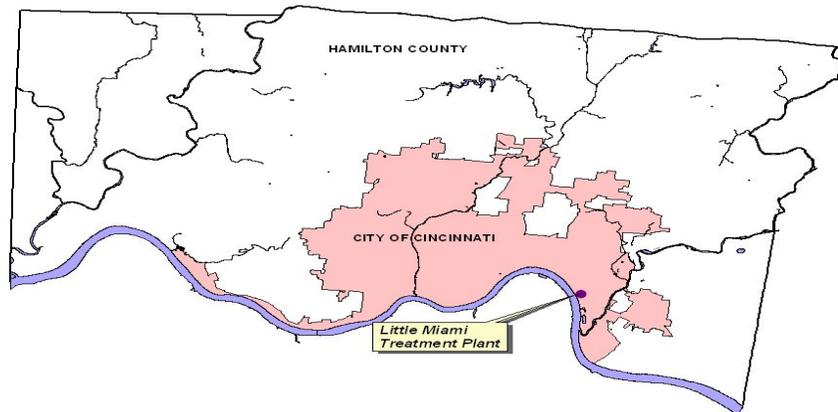
Description and Location

This project entails work to be performed by Duke Energy to upgrade the two independent electrical feeders that originate at the Linwood Substation and feed the Little Miami WWTP.
The Little Miami WWTP is located in the East End neighborhood in the City of Cincinnati.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$58,300	\$0	\$58,300	\$0	\$58,300
Miscellaneous Expense	\$530,500	\$0	\$530,500	\$0	\$530,500
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$588,800	\$0	\$588,800	\$0	\$588,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$588,800
	\$588,800	\$0	\$0	\$0	\$0	\$588,800

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	LMWWTP Solids Handling Improvements	
Project ID	10170811	CIP Number
CIP Subtype	Treatment Plant Upgrade	Sewer Number

Purpose and Justification

The Little Miami WWTP Bundle is proposing to treat 100 MGD through the entire WWTP during wet weather events. The upgrade to the dewatering process is necessary for the additional sludge that will be produced. The new electrical room is necessary because the ex. electrical room doesn't have room to expand the ex. primary and secondary switchgear to accommodate the prop. additional loads. The replacement of the aeration influent flow meters is due to the aeration tank modifications in LMWWTP Prim. Sec. Tmt Imp. (10170814). The improvements to the chemical storage and feed systems is in anticipation of the chlorine contact tank construction in LMWWTP Elec. & Disinf. Imp. (10170812).

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

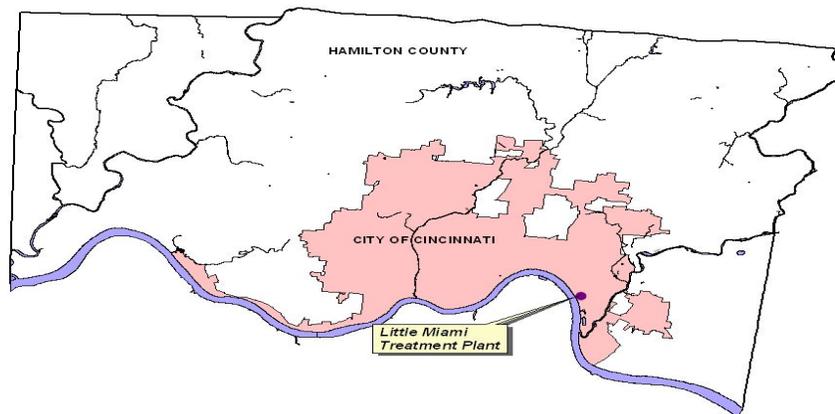
Description and Location

This project will upgrade the dewatering process from belt filter presses to centrifuges, upgrade the centralized odor control system shared by the solid stream processes, and construct a new sludge dewatering loadout facility with storage silos. This project also includes the construction of an electrical room to house the new main plant primary and secondary switchgear, replacement of the influent aeration flow meters, and an upgrade to the existing sodium hypochlorite and sodium bisulfite storage and feed systems. The Little Miami WWTP is located in the East End neighborhood in the City of Cincinnati.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$1,049,600	\$0	\$1,049,600	\$0	\$1,049,600
Pre-Construction Services	\$343,200	\$0	\$343,200	\$0	\$343,200
Miscellaneous Expense	\$130,300	\$0	\$130,300	\$0	\$130,300
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$17,159,800	\$0	\$0	\$17,159,800	\$17,159,800
Construction Services	\$1,544,400	\$0	\$0	\$1,544,400	\$1,544,400
Interest / Financing	\$872,100	\$0	\$0	\$872,100	\$872,100
Total	\$21,099,400	\$0	\$1,523,100	\$19,576,300	\$21,099,400

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$1,523,100	\$0	\$0	\$0	\$21,099,400

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Sewer Relining Trenchless Technology Program 2015	
Project ID	10180115	CIP Number
CIP Subtype	Allowance Project	Sewer Number

Purpose and Justification

Lining provides a cost-effective method of rehabilitating deteriorated sewers while improving the hydraulic performance of the sewer. This work may also increase development credits.

Impact to Operating Budget

None

Description and Location

This program conducts internal lining of sewers and external lining of aerial sewers throughout the system as a cost effective method of rehabilitating structurally deteriorated sewers. This program will include, but not limit itself to, spiral wound pipe, pipe bursting, carbon filament wrapping, directional drilling, and jack-and-boring. These projects are identified through investigations of the sewer lines and are prioritized based on a standardized condition assessment procedure.

Prior legislation was funded for the Trenchless Sewers Program under various project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$4,500,000	\$0	\$4,500,000	\$0	\$4,500,000
Construction Services	\$500,000	\$0	\$500,000	\$0	\$500,000
Interest / Financing	\$200,000	\$0	\$200,000	\$0	\$200,000
Total	\$5,200,000	\$0	\$5,200,000	\$0	\$5,200,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$5,200,000
	\$5,200,000	\$0	\$0	\$0	\$0	\$5,200,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Manhole Rehabilitation Trenchless Technology Program 2015	
Project ID	10180215	CIP Number
CIP Subtype	Trenchless Technology	Sewer Number

Purpose and Justification

This allowance was identified in section IX(B)(1) of the Global Consent Decree as a cost effective method of rehabilitating structurally deteriorated manholes.

Impact to Operating Budget

None

Description and Location

This program provides a cost effective method of rehabilitating structurally deteriorated manholes throughout the system. Manhole rehab projects are identified through investigations and are prioritized based on a standardized condition assessment procedure. Approximately 150 manholes are targeted to be rehabilitated annually.

Prior legislation was funded for the Trenchless Manhole Program under various project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$900,000	\$0	\$900,000	\$0	\$900,000
Construction Services	\$60,000	\$0	\$60,000	\$0	\$60,000
Interest / Financing	\$40,000	\$0	\$40,000	\$0	\$40,000
Total	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Home Sewer Treatment System Extensions 2015	
Project ID	10190315	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

This program is identified in the Global Consent Decree. This program will provide public funding for planning and petition services in support of various local sewer projects and sewer lateral projects. The local sewer projects and sewer lateral projects will convert Home Sewage Treatment Systems (HSTS) to sewer service thereby reducing the discharge of pollutants to WWIP watersheds. Failing or improperly functioning HSTS are a source of pollutants that has been linked to dry weather bacterial exceedances.

Impact to Operating Budget

None

Description and Location

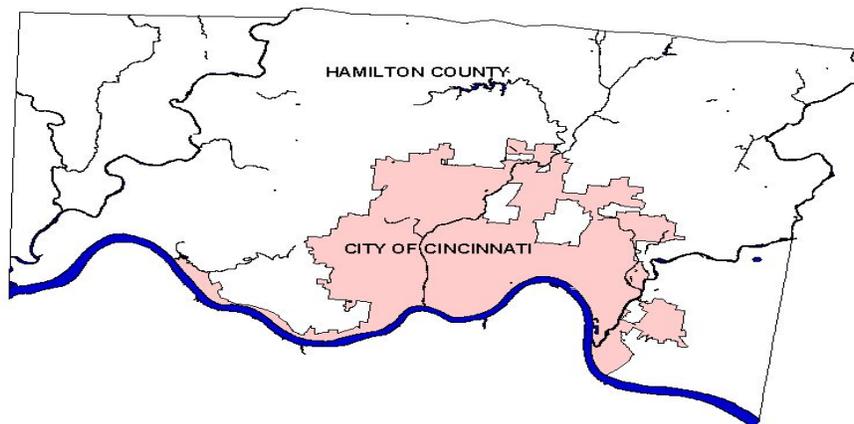
This program supports the overall HSTS Elimination program by funding planning and petition services for various local sewer projects and sewer lateral projects in all watersheds.

Prior legislation was funded for the Home Sewer Treatment System Extensions Program under various project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$200,000	\$0	\$200,000	\$0	\$200,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$200,000	\$0	\$200,000	\$0	\$200,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$200,000
	\$200,000	\$0	\$0	\$0	\$0	\$200,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Wet Weather Program Management and Support Services 2015	
Project ID	10199015	CIP Number
CIP Subtype	Allowance Project	Sewer Number

Purpose and Justification

MSD uses a mix of employee staff and supplemental outside professional consultants to manage and report on the multiple projects in planning, design, and construction phases. MSD continues to integrate some of the supplemental staff positions with MSD personnel. Due to the size and complexity of the capital program, supplemental staffing provided by external consultants will continue to be utilized for the next several years to ensure all Final WWIP milestones are fully satisfied.

Impact to Operating Budget

None

Description and Location

MSD's continued use of Program Management Services is crucial for maintaining the current momentum required to complete Phase 1 of the Wet Weather Improvement Program (WWIP), streamline the Asset Management Program, and develop an optimized and affordable schedule for Phase 2 (and future phases) of the WWIP. This project funds the Enterprise Management and Program Controls services necessary to carry out the Capital Program. Activities performed include regulatory coordination, compliance reporting, project and program scheduling, estimating, controls, risk management, and communications.

Prior legislation was funded for the Wet Weather Program Management and Support Services Allowance under various IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$10,000,000	\$0	\$10,000,000	\$0	\$10,000,000
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$10,000,000	\$0	\$10,000,000	\$0	\$10,000,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$10,000,000	\$0	\$0	\$0	\$0	\$10,000,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	West Fork Road Local Sewer (HNs 5311-5472)		
Project ID	10320011	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	6094

Purpose and Justification

The project was initiated by a citizen petition that included 9 benefited properties. Property owners representing 5 properties expressed support for the petition during the polling process. The construction cost has increased because it was originally assumed the sewer alignment would be outside the roadway, but it was located in the street due to utility and structural conflicts. Conditions would also require the extra cost to remove contaminated soil.

Impact to Operating Budget

None

Description and Location

The West Fork Road Local Sewer (HNs 5311 – 5472) would benefit 9 parcels, which all include single-family homes. The project will eliminate 9 household sewage treatment systems. The plan for this project involves the construction of 850 linear feet of 8-inch diameter gravity sanitary sewer; 9, 6-inch diameter sewer laterals and other sewer appurtenances. Located in the Taylor Creek Sewer shed of the West Basin in Green Township, Hamilton, County, Ohio between house Numbers 5311 and 5472 on West Fork Road.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$51,000	\$51,000	\$0	\$0	\$51,000
Pre-Construction Services	\$9,000	\$9,000	\$0	\$0	\$9,000
Miscellaneous Expense	\$2,000	\$2,000	\$0	\$0	\$2,000
Right-of-Way	\$50,000	\$50,000	\$0	\$0	\$50,000
Construction	\$236,000	\$0	\$455,000	\$0	\$455,000
Construction Services	\$20,000	\$0	\$20,000	\$0	\$20,000
Interest / Financing	\$6,000	\$0	\$0	\$0	\$0
Total	\$374,000	\$112,000	\$475,000	\$0	\$587,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$112,000	\$475,000	\$0	\$0	\$0	\$587,000

Prior Legislation Action

Nov 2010



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Old Blue Rock Road Local Sewer (HN 5240-5327)		
Project ID	10320075	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	6232

Purpose and Justification

A citizen's petition initiated this project. Property owners representing 4 properties expressed support for the petition during the polling process (57% level of support). Requirements of MSD Rules and Regulations Section 1805 have been met as the petition received positive endorsement from property owners representing a majority of benefited properties. The petition is therefore valid under Board policy. The project cost was reduced by moving the sewer to the rear yards during the design process.

Impact to Operating Budget

None

Description and Location

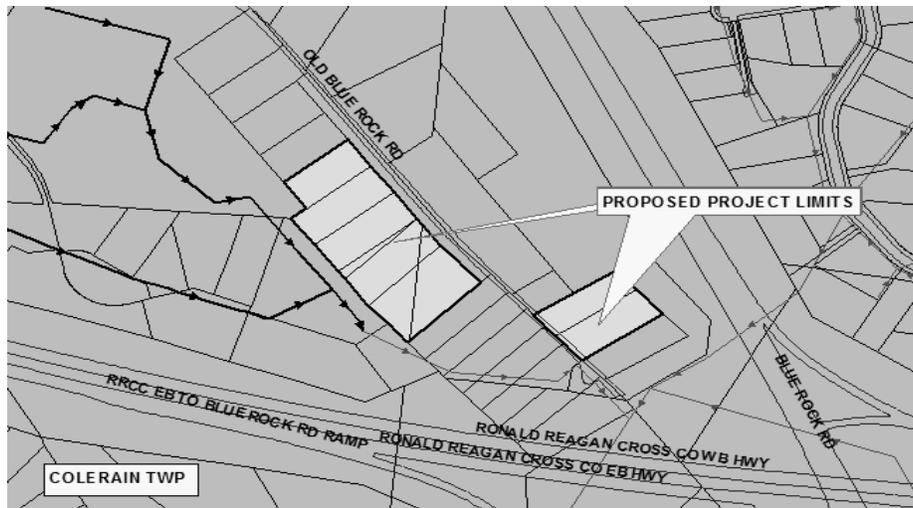
The project will eliminate seven Home sewage treatment systems (HSTS). The local sewer plan proposes the construction of 840 linear feet of 8-inch diameter gravity sanitary sewer, seven, 6-inch diameter sewer laterals, and other sewer appurtenances. The project is located In the Taylor Creek sewer shed of the Taylor Creek-Miamitown Basin, in Colerain Township, Hamilton County, Ohio. The project is located on Old Blue Rock Road from HN 5240 to 5327.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$60,000	\$69,620	\$0	\$0	\$69,620
Pre-Construction Services	\$7,000	\$28,410	\$0	\$0	\$28,410
Miscellaneous Expense	\$2,000	\$2,000	\$0	\$0	\$2,000
Right-of-Way	\$98,000	\$88,380	\$0	\$0	\$88,380
Construction	\$215,000	\$0	\$215,000	\$0	\$215,000
Construction Services	\$23,100	\$0	\$23,100	\$0	\$23,100
Interest / Financing	\$3,000	\$0	\$0	\$0	\$0
Total	\$408,100	\$188,410	\$238,100	\$0	\$426,510

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$238,100	\$0	\$0	\$0	\$0	\$426,510
	\$188,410					

Prior Legislation Action

Aug 2012, Jan 2014, May 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Werk Road Local Sewer (HN 5544-5686)		
Project ID	10330015	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	5894

Purpose and Justification

A citizen's petition initiated this project. Property owners representing 9 (out of 16) properties expressed support for the petition during the polling process (56% level of support), meeting MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. The petition is therefore valid under Board policy.

Impact to Operating Budget

None

Description and Location

The proposed Werk Road Local Sewer (HNs 5544-5686) will benefit 14 properties, eliminating 11 home sewage treatment systems. MSD proposes to construct 1,466 linear feet of 8-inch diameter gravity sanitary sewer; 19, 6-inch diameter sewer laterals and other sewer appurtenances. Located in the Muddy Creek sewer shed of the West Basin, Green Township, Hamilton, County, Ohio. The project is located between 5544 Werk Road and 5686 Werk Road as well as between 3142 Andres Lane and 3162 Andres Lane.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$52,000	\$52,000	\$0	\$0	\$52,000
Pre-Construction Services	\$20,000	\$27,100	\$0	\$0	\$27,100
Miscellaneous Expense	\$4,000	\$4,900	\$80,000	\$0	\$84,900
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$498,000	\$0	\$645,300	\$0	\$645,300
Construction Services	\$26,000	\$0	\$26,000	\$0	\$26,000
Interest / Financing	\$7,000	\$0	\$0	\$0	\$0
Total	\$607,000	\$84,000	\$751,300	\$0	\$835,300

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$84,000	\$751,300	\$0	\$0	\$0	\$0	\$835,300

Prior Legislation Action

Dec 2010, May 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	North Bend Road Local Sewer (HNs 504-565)		
Project ID	10340024	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	6096

Purpose and Justification

A citizen's petition initiated this project. Property owners representing 5 properties expressed support for the petition during the polling process (71% level of support), meeting MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. The petition is therefore valid under Board policy. The construction cost that increased because it was originally assumed the sewer alignment would be outside the roadway in the grass area, but it was located in the street due to utility and structural conflicts.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

The proposed North Bend Road Local Sewer (HNs 504-565) will benefit 7 properties, eliminating 6 household sewage treatment systems. MSD proposes to construct 1,327 linear feet of 8-inch diameter gravity sanitary sewer; 7, 6-inch diameter sewer laterals and other sewer appurtenances.

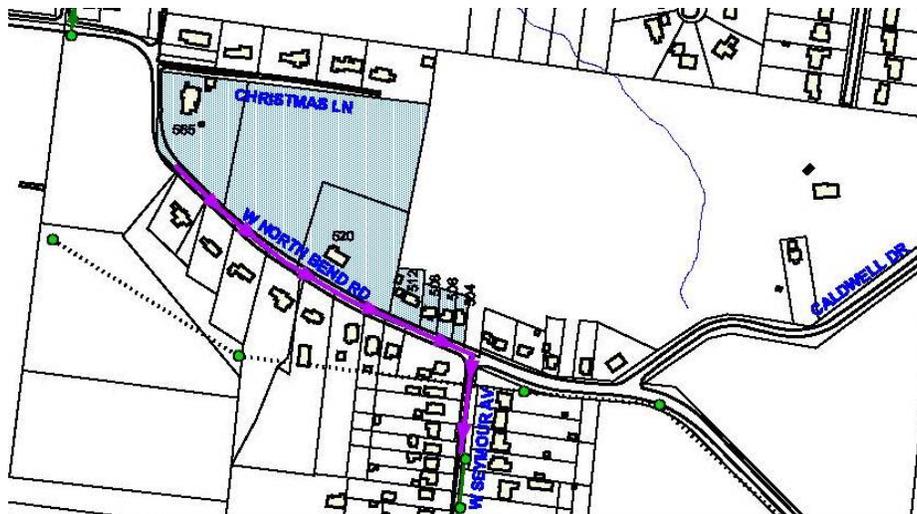
The project is located in the Mill Creek sewer shed of the Central Basin, between 504 North Bend Road and 565 North Bend Road, Springfield Township, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$67,000	\$67,000	\$0	\$0	\$67,000
Pre-Construction Services	\$12,000	\$12,000	\$0	\$0	\$12,000
Miscellaneous Expense	\$1,700	\$3,481	\$0	\$0	\$3,481
Right-of-Way	\$119,600	\$118,959	\$0	\$0	\$118,959
Construction	\$205,000	\$0	\$338,500	\$0	\$338,500
Construction Services	\$17,000	\$0	\$17,000	\$0	\$17,000
Interest / Financing	\$6,000	\$0	\$0	\$0	\$0
Total	\$428,300	\$201,440	\$355,500	\$0	\$556,940

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$201,440	\$0	\$0	\$0	\$0	\$556,940
	\$355,500	\$0	\$0	\$0	\$0	\$556,940

Prior Legislation Action

Feb 2011, Jan 2014, Jul 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	State Road Local Sewer (HNs 7737-7849)	
Project ID	10370035	CIP Number
CIP Subtype	Sewer Extension	Sewer Number

Purpose and Justification

The project was initiated by a citizen petition that included 18 benefited properties. Property owners representing 10 properties expressed support for the petition during the polling process. The petition received positive endorsement from a majority of benefited property owners and is therefore valid under Board policy, MSD Rules and Regulations, Section 1805. The project costs have decreased since the original project estimate due to more precise information through design process.

Impact to Operating Budget

None

Description and Location

The project will eliminate 18 home sewage treatment systems. The concept plan for this project involves construction of approximately 1300 linear feet of 8-inch diameter gravity sanitary sewer; 18, 6-inch diameter sewer laterals and other sewer appurtenances. The project is located between 7737 State Road and 7849 State Road. State Road Local Sewer (HNs 7737-7849) will benefit 18 parcels, which are all single-family homes. The project is located in the Little Miami sewer shed in the Clough Drainage Basin of the East Basin in Anderson Township, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$70,800	\$70,800	\$0	\$0	\$70,800
Pre-Construction Services	\$60,000	\$30,000	\$0	\$0	\$30,000
Miscellaneous Expense	\$3,000	\$3,000	\$0	\$0	\$3,000
Right-of-Way	\$50,000	\$50,000	\$0	\$0	\$50,000
Construction	\$496,000	\$0	\$440,000	\$0	\$440,000
Construction Services	\$19,800	\$0	\$19,800	\$0	\$19,800
Interest / Financing	\$5,000	\$0	\$0	\$0	\$0
Total	\$704,600	\$153,800	\$459,800	\$0	\$613,600

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$153,800	\$0	\$0	\$0	\$0	\$613,600
	\$459,800	\$0	\$0	\$0	\$0	\$613,600

Prior Legislation Action

Sep 2011



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Mt. Carmel/Vicbarb/Appleblossom Local Sewer		
Project ID	10370045	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	6194

Purpose and Justification

On August 24, 2011, the Board passed a Resolution of Intent, recognizing that no petition or declaration of health nuisance by Hamilton County Public Health exists in the project area and directing MSD to advance progress on this local assessment sewer. The construction cost that increased because it was originally assumed the sewer alignment would be outside the roadway in the grass area, but it was located in the street due to utility and structural conflicts. Conditions would also require the extra cost to remove contaminated soil.

Impact to Operating Budget

None

Description and Location

The proposed Mt. Carmel Road, Vicbarb Lane & Apple Blossom Lane Local Sewer will benefit 44 single-family parcels, 3 residential vacant properties, 1 church, and 1 other commercial structure, eliminating 46 household sewage treatment systems. MSD proposes to construct 3,509 linear feet of 8-inch diameter gravity sanitary sewer; 49, 6-inch diameter sewer laterals and other sewer appurtenances. The project is located In the Little Miami sewer shed of the East Basin in Anderson Township, Hamilton County, Ohio. The project is located on Mt. Carmel Road between Apple Blossom Lane and 3266 Mt. Carmel Road.

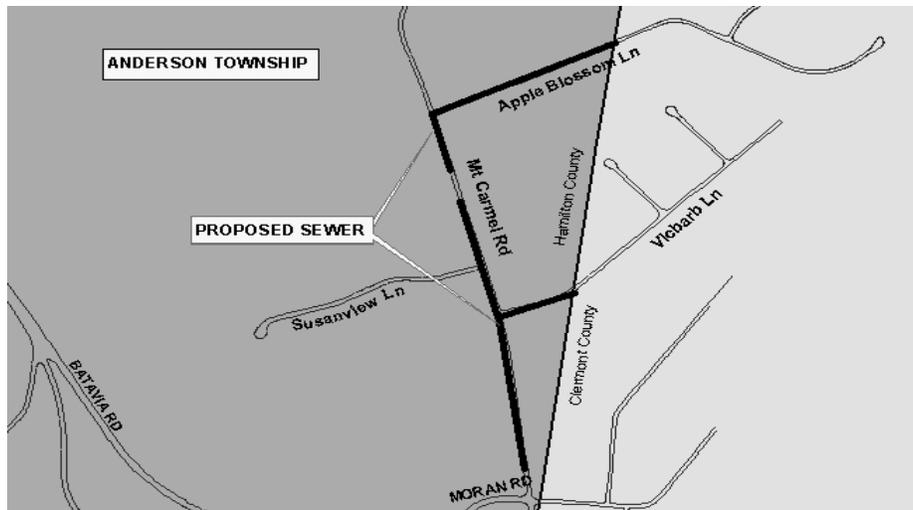
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$25,000	\$41,556	\$0	\$0	\$41,556
Pre-Construction Services	\$54,000	\$54,000	\$0	\$0	\$54,000
Miscellaneous Expense	\$47,000	\$47,000	\$0	\$0	\$47,000
Right-of-Way	\$210,000	\$193,444	\$0	\$0	\$193,444
Construction	\$900,000	\$0	\$1,429,000	\$0	\$1,429,000
Construction Services	\$62,000	\$0	\$62,000	\$0	\$62,000
Interest / Financing	\$34,000	\$0	\$0	\$0	\$0
Total	\$1,332,000	\$336,000	\$1,491,000	\$0	\$1,827,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$336,000	\$1,491,000	\$0	\$0	\$0	\$0	\$1,827,000

Prior Legislation Action

Oct 2011, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Boomer Road Sewer Lateral Assessment	
Project ID	10420015	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

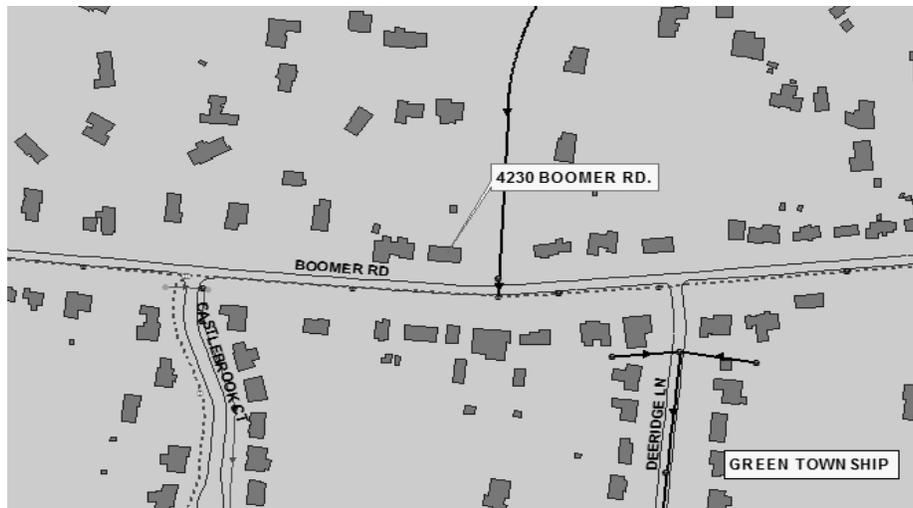
Description and Location

This proposed sewer lateral assessment project is located in the Taylor Creek sewer shed of the West Basin in Green Township, Hamilton County, Ohio at 4230 Boomer Road. The proposed Boomer Road Sewer Lateral Assessment (HN 4230) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1 sewer lateral 22 feet long that will connect to a low pressure force main.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$20,000	\$0	\$20,000	\$0	\$20,000
Construction Services	\$10,100	\$0	\$10,100	\$0	\$10,100
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$30,100	\$0	\$30,100	\$0	\$30,100

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$30,100	\$0	\$0	\$0	\$0	\$30,100

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Werk Road Sewer Lateral Assessment (HN 6052)	
Project ID	10430030	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

Description and Location

This proposed sewer lateral assessment project is located in the Muddy Creek sewer shed of the West Basin in Green Township, Hamilton County, Ohio at 6052 Werk Road. The proposed Werk Road Sewer Lateral Assessment (HN 6052) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 51 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$30,000	\$0	\$30,000	\$0	\$30,000
Construction Services	\$10,300	\$0	\$10,300	\$0	\$10,300
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$40,300	\$0	\$40,300	\$0	\$40,300

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$40,300	\$0	\$0	\$0	\$0	\$40,300

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	E. Galbraith Road Sewer Lateral Assessment (HN 4454)	
Project ID	10440055	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

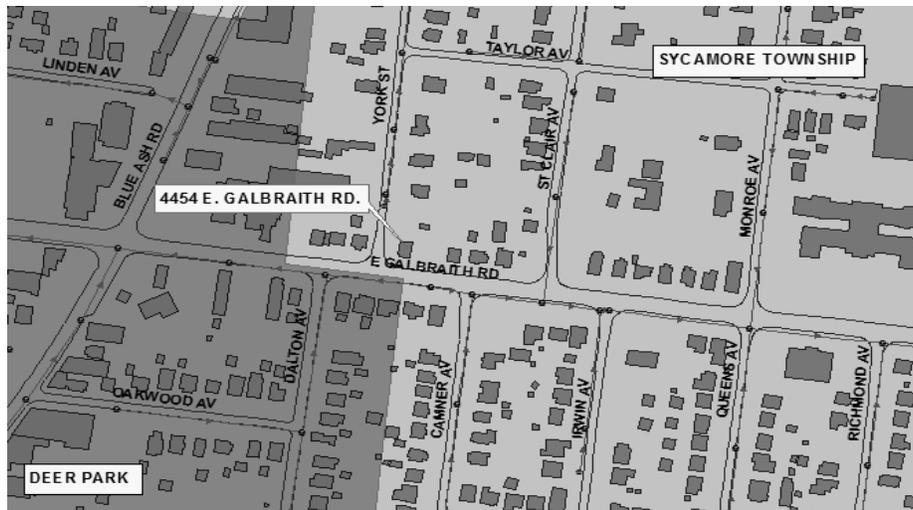
Description and Location

This proposed sewer lateral assessment project is located in the Mill Creek sewer shed of the Central Basin in Sycamore Township, Hamilton County, Ohio at 4454 E. Galbraith Road. The proposed E. Galbraith Road Sewer Lateral Assessment (HN 4454) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 47 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$35,000	\$0	\$35,000	\$0	\$35,000
Construction Services	\$10,400	\$0	\$10,400	\$0	\$10,400
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$45,400	\$0	\$45,400	\$0	\$45,400

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$45,400
	\$45,400	\$0	\$0	\$0	\$0	\$45,400

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Pottinger Road Sewer Lateral Assessment (HN 10444)	
Project ID	10440060	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

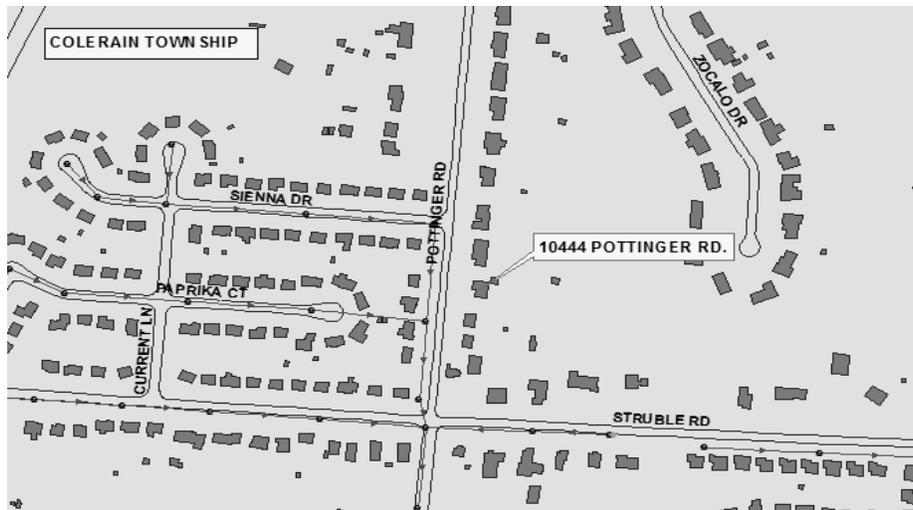
Description and Location

This proposed sewer lateral assessment project is located in the Mill Creek sewer shed of the Central Basin in Colerain Township, Hamilton County, Ohio at 10444 Pottinger Road. The proposed Pottinger Road Sewer Lateral Assessment (HN 10444) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 67 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$30,000	\$0	\$30,000	\$0	\$30,000
Construction Services	\$10,300	\$0	\$10,300	\$0	\$10,300
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$40,300	\$0	\$40,300	\$0	\$40,300

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$40,300	\$0	\$0	\$0	\$40,300

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Enyart Road Sewer Lateral Assessment	
Project ID	10450016	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

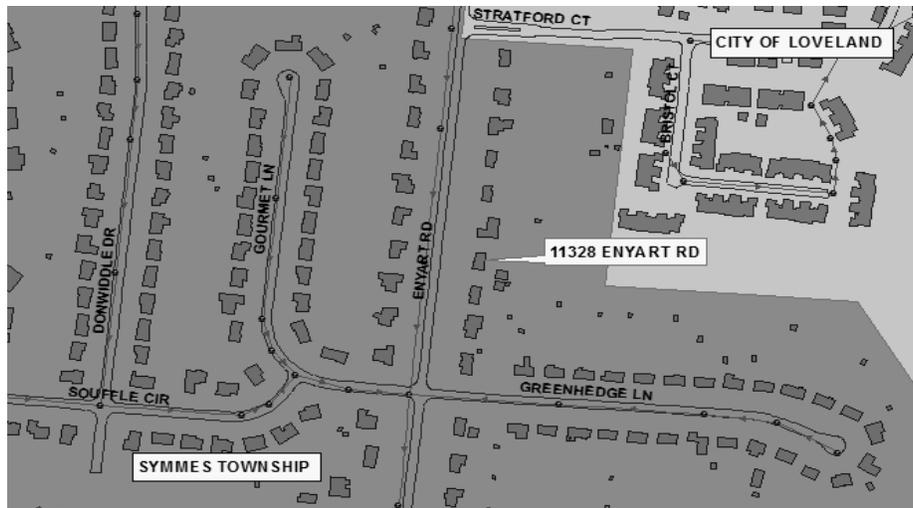
Description and Location

This proposed sewer lateral assessment project is located in the Polk Run sewer shed of the East Basin in Symmes Township, Hamilton County, Ohio at 11328 Enyart Road. The proposed Enyart Road Sewer Lateral Assessment (HN 11328) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 55 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$30,000	\$0	\$30,000	\$0	\$30,000
Construction Services	\$10,300	\$0	\$10,300	\$0	\$10,300
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$40,300	\$0	\$40,300	\$0	\$40,300

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$40,300	\$0	\$0	\$0	\$40,300

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	E. Kemper Road Sewer Lateral Assessment (HN 269)	
Project ID	10450025	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

Description and Location

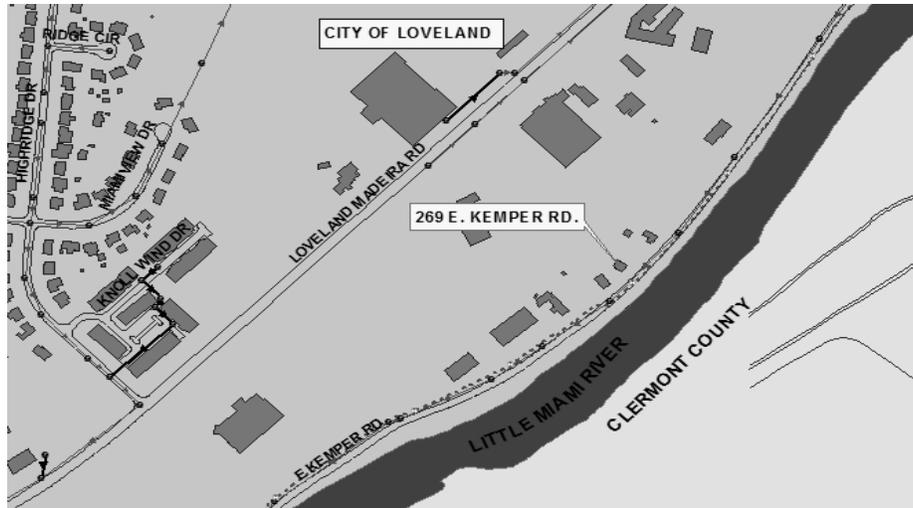
This proposed sewer lateral assessment project is located in the Polk Run sewer shed of the East Basin in Symmes Township, Hamilton County, Ohio at 269 E. Kemper Road. The proposed E. Kemper Road Sewer Lateral Assessment (HN 269) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 19 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$15,000	\$0	\$15,000	\$0	\$15,000
Construction Services	\$10,000	\$0	\$10,000	\$0	\$10,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$25,000	\$0	\$25,000	\$0	\$25,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	E. Kemper Road Sewer Lateral Assessment	
Project ID	10450030	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

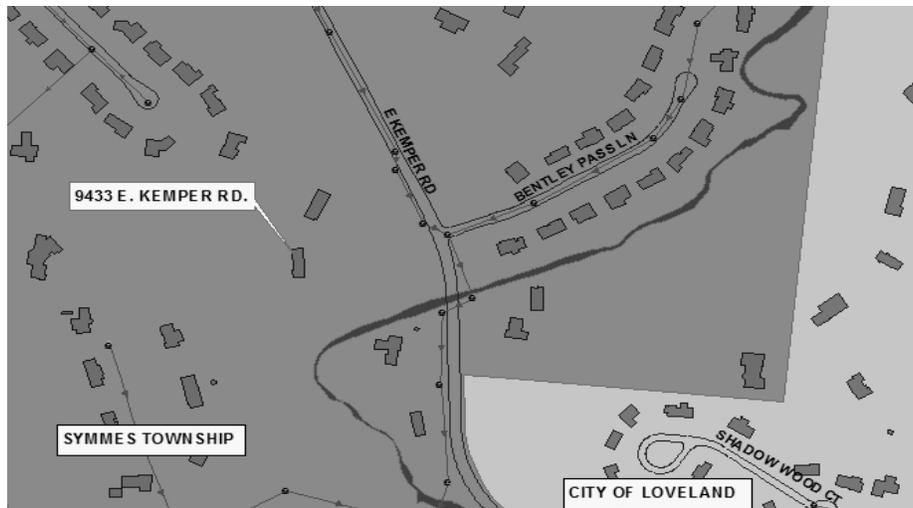
Description and Location

This proposed sewer lateral assessment project is located in the Polk Run sewer shed of the East Basin in Symmes Township, Hamilton County, Ohio at 9433 E. Kemper Road. The proposed E. Kemper Road Sewer Lateral Assessment (HN 9433) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 64 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$40,000	\$0	\$40,000	\$0	\$40,000
Construction Services	\$10,500	\$0	\$10,500	\$0	\$10,500
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$50,500	\$0	\$50,500	\$0	\$50,500

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$50,500	\$0	\$0	\$0	\$0	\$50,500

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Drake Road Sewer Lateral Assessment (HN 7315)	
Project ID	10460000	CIP Number
CIP Subtype	Home Sewer Treatment System	Sewer Number

Purpose and Justification

The project was initiated by submittal of a petition, statement and waiver from the owner of the property to be benefited. The waiver, recorded with Hamilton County Recorder's Office, satisfies MSD's Rules and Regulations' requirements for majority endorsement from benefited properties. Per Section 1805 (A)(1)(ii) of the MSD Rules and Regulations and Section 6117.28 of the ORC, when all the owners of all the lots and lands to be benefited by and assessed for a local sewer improvement consent to its cost and waive the public hearing notice and objection opportunity afforded under law, the County Commissioners may choose to proceed to construct the improvement without the public

Impact to Operating Budget

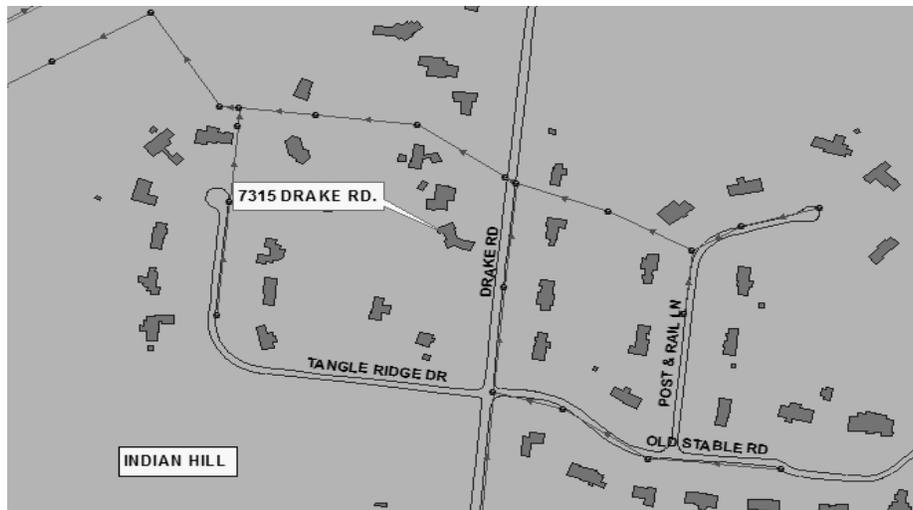
Description and Location

This proposed sewer lateral assessment project is located in the Sycamore Creek sewer shed of the East Basin in the Village of Indian Hill, Hamilton County, Ohio at 7315 Drake Road. The proposed Drake Road Sewer Lateral Assessment (HN 7315) will benefit 1 single-family parcel by extending a sewer lateral to the boundary of the public right of way in front of the benefited property, eliminating 1 household sewage treatment system. MSD proposes to construct 1, 6-inch diameter sewer lateral 43 feet long that will connect to a gravity sewer.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$25,000	\$0	\$25,000	\$0	\$25,000
Construction Services	\$10,200	\$0	\$10,200	\$0	\$10,200
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$35,200	\$0	\$35,200	\$0	\$35,200

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$35,200	\$0	\$0	\$0	\$0	\$35,200

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Brent Spence Bridge I-75 Reconstruction Coordination	
Project ID	11142750	CIP Number
CIP Subtype	Separation - Full or Partial	Sewer Number

Purpose and Justification

The current ODOT Brent Spence Bridge and related infrastructure does not meet current standards and ODOT is planning replacement. The project goals include separating the highway stormwater from the combined system, removing the highway as a barrier to separation and improving water quality. The CSOs impacted by this project include CSO 4, CSO 430, CSO 431, CSO 436, CSO 438 and CSO 666.

Impact to Operating Budget

None

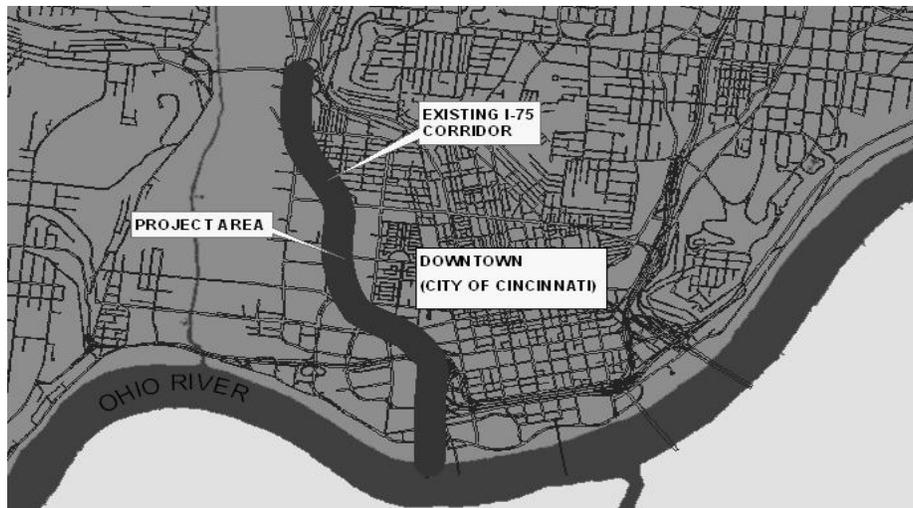
Description and Location

This project includes the reconstruction of I-75 between Western Hills Viaduct and Brent Spence Bridge in the Queensgate, West End neighborhoods and Central Business District of the City of Cincinnati. The project proposes construction of the initial section of storm sewer sized for future full separation of the Central and East Ohio River watersheds. Collaboration with ODOT's reconstruction of I-75 at Brent Spence Bridge, likely as a design build project, will include construction of sewer infrastructure in the project limits to allow future separation of the watershed.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$620,000	\$0	\$620,000	\$0	\$620,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$620,000	\$0	\$620,000	\$0	\$620,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$620,000	\$0	\$0	\$0	\$620,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	East Duck Creek Watershed Plan	
Project ID	11170050	CIP Number
CIP Subtype	Studies	Sewer Number

Purpose and Justification

The purpose of project is to identify measures to meet the SSO and CSO volume reduction requirements of the Final WWIP, as part of Hamilton County's and the City of Cincinnati's Consent Decree, through an Integrated Planning approach, while selecting holistic projects that will also provide the best water quality improvements possible and maximize the benefits of the investment for the rate payers.

Impact to Operating Budget

None

Description and Location

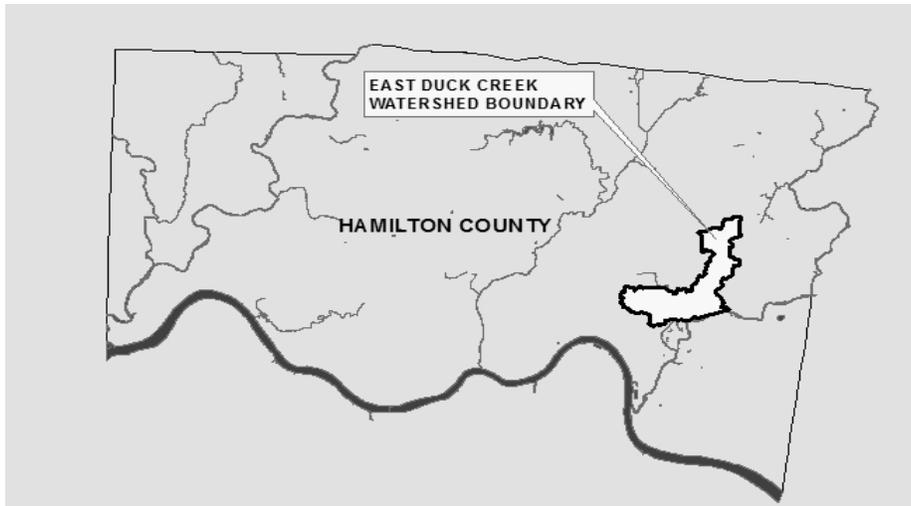
This project is an evaluation of opportunities to reduce CSOs, improve local water quality, and coordinate infrastructure and planning efforts with multiple jurisdictions. This project's study area is the East Duck Creek Watershed located in the Little Miami Sewershed within Hamilton County, Ohio. The Phase 2 Final WWIP includes 15 projects for regulator improvements, sewer separations, and storage facilities totaling nearly \$45 million for the East Duck Creek Watershed.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$411,000	\$0	\$411,000	\$0	\$411,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$411,000	\$0	\$411,000	\$0	\$411,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$411,000	\$0	\$0	\$0	\$0	\$411,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Lick Run Valley Conveyance System	
Project ID	11240000	CIP Number
CIP Subtype	Conveyance	Sewer Number

Purpose and Justification

The project's purpose is to convey stormwater from the watershed to Mill Creek. This project is in the LMCPR Bundle and provides the opportunity to implement a sustainable solution to meet CSO volume reduction, improve water quality, create jobs, and lay groundwork for community revitalization.

Due to project complexity and tight timeframe with limited flexibility, Construction Manager at Risk (CMAR) is proposed to improve schedule efficiency and reduce cost. Cost of CMAR services is estimated at \$21.5M (Aug '14 Legislation).

Required utility relocation is an estimated \$4.17M (2015 Misc. Expense budget). The overall LMCPR Bundle is currently \$8.5M under the original \$244M 2006 budget.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

The valley conveyance system is an approximately 8,000-foot hybrid stormwater conveyance system of open channel & subsurface box conduit, to convey natural drainage and stormwater removed from the combined sewer system. The installation includes a low-flow above ground bioengineered conveyance system paired with a closed box conduit to convey the 100 year flood flows to the Mill Creek safely. The project is located between Queen City and Westwood and between White Street and Mill Creek, in the South Fairmount neighborhood of the City of Cincinnati.

A total of \$8,112,254 was committed with legislated allowance funds.

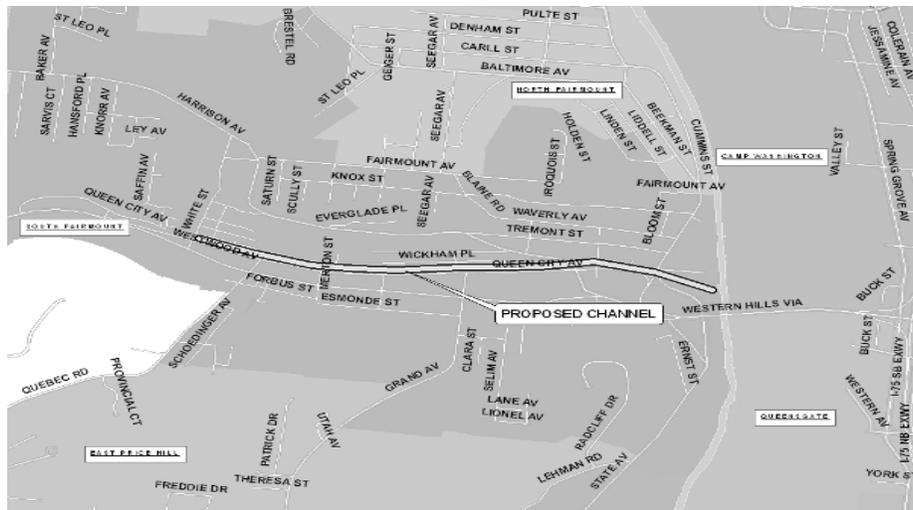
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$2,986,300	\$9,010,900	\$0	\$0	\$9,010,900
Pre-Construction Services	\$1,975,800	\$22,685,800	\$0	\$0	\$22,685,800
Miscellaneous Expense	\$307,900	\$1,097,900	\$4,170,700	\$0	\$5,268,600
Right-of-Way	\$20,341,600	\$20,341,600	\$0	\$0	\$20,341,600
Construction	\$107,123,600	\$0	\$85,443,600	\$0	\$85,443,600
Construction Services	\$2,250,300	\$0	\$10,312,000	\$0	\$10,312,000
Interest / Financing	\$5,551,900	\$0	\$4,738,300	\$0	\$4,738,300
Total	\$140,537,400	\$53,136,200	\$104,664,600	\$0	\$157,800,800

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$53,136,200	\$104,664,600	\$0	\$0	\$0	\$0	\$157,800,800

Prior Legislation Action

Jan 2013, Jan 2014, Aug 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Lick Run Property Demolitions		
Project ID	11240001	CIP Number	
CIP Subtype	Conveyance	Sewer Number	6284

Purpose and Justification

This project is part of the Lower Mill Creek Partial Remedy (LMCPR Bundle) Lick Run Source Control. Within the 12 individual sewer separation projects as part of the Lick Run source control program several projects necessitate property acquisitions. This request allocates funding demolition for the remaining structures located on acquired or to-be-acquired properties. The current project estimate is within \$26K of the original 2012 estimate, and the overall LMCPR Bundle is currently \$8.5M under the original \$244M 2006 budget.

Impact to Operating Budget

None

Description and Location

This project consists of deconstruction and demolition of 73 vacant structures located on properties to be acquired for the Lick Run source control program. The project is being bid in phases to minimize property management costs and number of vacant buildings. The demolitions are located on the following streets where new storm water infrastructure is slated for construction: Harrison Ave, Queen City Ave, State Ave, Grand Ave and Westwood Ave, in the West Price Hill, North Fairmount, and South Fairmount neighborhoods of the City of Cincinnati.

A total of \$0 was committed with legislated allowance funds.

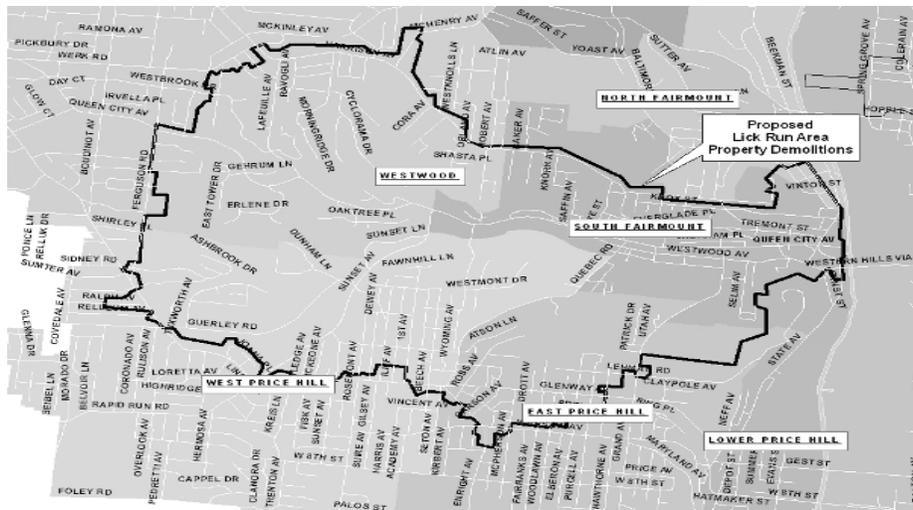
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$3,946,400	\$1,455,200	\$2,388,700	\$0	\$3,843,900
Construction Services	\$93,800	\$62,400	\$87,900	\$0	\$150,300
Interest / Financing	\$28,300	\$17,400	\$0	\$0	\$17,400
Total	\$4,068,500	\$1,617,900	\$2,476,600	\$0	\$4,094,500

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$1,617,900	\$2,476,600	\$0	\$0	\$0	\$0	\$4,094,500

Prior Legislation Action

May 2013, May 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Queen City Ave Sewer Separation Phase 2		
Project ID	11240130	CIP Number	
CIP Subtype	Separation - Full or Partial	Sewer Number	6126

Purpose and Justification

This project is part of the Lower Mill Creek Partial Remedy (LMCPR Bundle) Lick Run Source Control. The Queen City Avenue Sewer Separation Phase 2 consists of separation of approximately 228 acres of the 463 acre sewershed. The current project estimate is higher than the original 2012 estimate due to the addition of a water quality unit and design refinement. The overall LMCPR Bundle is currently \$8.5M under the original \$244M 2006 budget.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

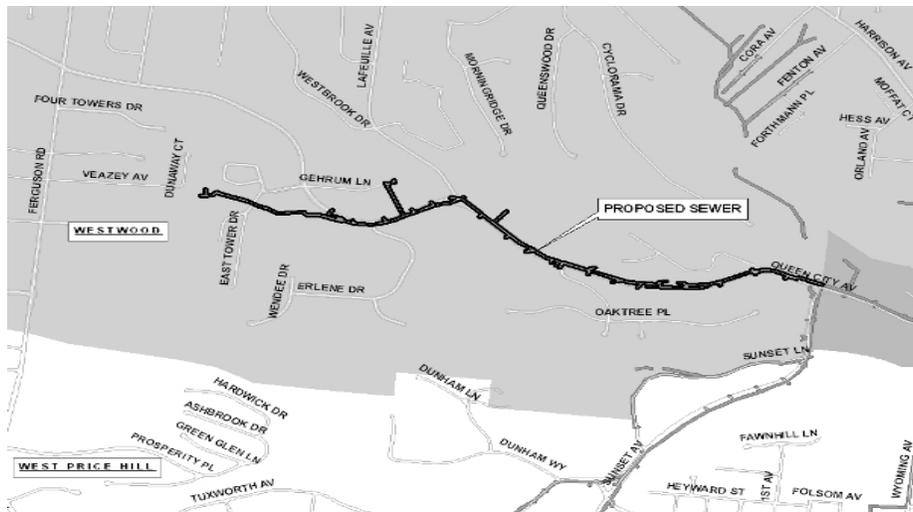
This project consists of approximately 6,200 l.f. of storm and sanitary sewer (8-in to 60-in), 2,140 l.f. water relocation, 904 l.f. of 30-in sanitary, a water quality unit and detention pond improvements. The proposed improvements are located in the street right-of-way of Queen City Avenue and East Tower, as well as private properties that will need utility easements, in the Lick Run basin of the Mill Creek sewershed. This project is located in the Westwood neighborhood of the City of Cincinnati.

A total of \$928,547 was committed with legislated allowance funds.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$150,700	\$150,700	\$0	\$0	\$150,700
Miscellaneous Expense	\$75,400	\$75,400	\$703,400	\$0	\$778,800
Right-of-Way	\$714,300	\$714,300	\$0	\$0	\$714,300
Construction	\$7,836,900	\$0	\$8,989,300	\$0	\$8,989,300
Construction Services	\$209,900	\$0	\$250,000	\$0	\$250,000
Interest / Financing	\$200,400	\$0	\$309,700	\$0	\$309,700
Total	\$9,187,600	\$940,400	\$10,252,400	\$0	\$11,192,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$940,400	\$10,252,400	\$0	\$0	\$0	\$0
						\$11,192,800

Prior Legislation Action
Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Quebec Heights Sewer Separation		
Project ID	11240170	CIP Number	
CIP Subtype	Separation - Full or Partial	Sewer Number	6128

Purpose and Justification

This project is part of the Lower Mill Creek Partial Remedy (LMCPR Bundle) Lick Run Source Control. The construction consists of a naturalized open channel, a floodplain enhancement area, storm sewer installation, and reforestation. Stormwater from an area of 82 acres, generating an estimated 48 MG of stormwater runoff per year, will be removed from the combined sewer system utilizing sustainable infrastructure methods. The stormwater removal has a direct impact on the CSO 5 volume. The current project estimate is slightly less than the original 2012 estimate, and the overall LMCPR Bundle is currently \$8.5M under the original \$244M 2006 budget.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

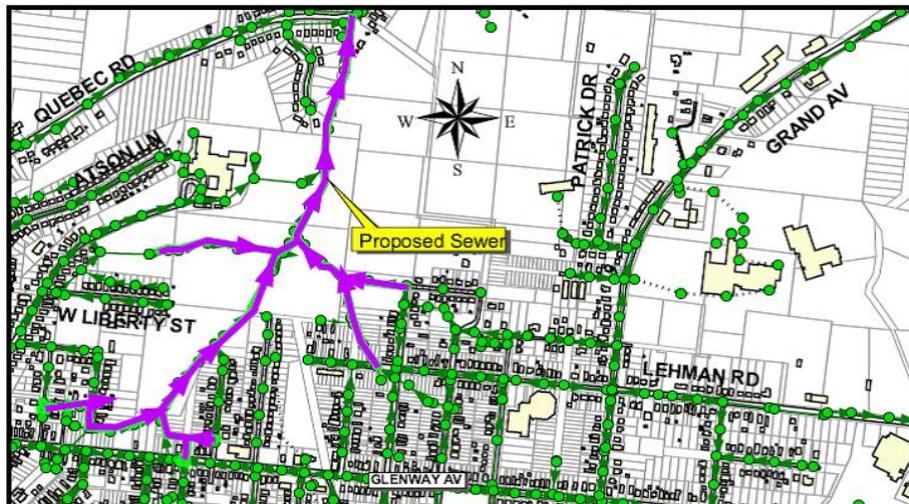
This project consists of installation of approximately 2,750 feet of separate storm sewers, 5,600 feet of natural conveyance (daylighted) through Glenway Woods Park and an extended wetland detention feature. The project will separate storm water from a combined sewer that runs through a channel in the Glenway Woods Park as well as provide new storm sewers on Ridlen Ave, Wessels Ave, Wessels Lane, Carson Ave, Drott Ave, Wells St, and Glenway Avenue to remove storm flow from the existing combined sewers on those streets. This project is located in the East Price Hill and South Fairmount neighborhoods of the City of Cincinnati.

A total of \$705,893 was committed with legislated allowance funds.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$63,700	\$63,700	\$0	\$0	\$63,700
Miscellaneous Expense	\$106,200	\$106,200	\$0	\$0	\$106,200
Right-of-Way	\$392,900	\$392,900	\$0	\$0	\$392,900
Construction	\$3,010,800	\$0	\$3,019,200	\$0	\$3,019,200
Construction Services	\$100,300	\$0	\$100,800	\$0	\$100,800
Interest / Financing	\$54,900	\$0	\$0	\$0	\$0
Total	\$3,728,800	\$562,800	\$3,120,000	\$0	\$3,682,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$562,800	\$3,120,000	\$0	\$0	\$0	\$3,682,800

Prior Legislation Action
Jun 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	CSO 217/483 Source Control Phase A		
Project ID	11243140	CIP Number	
CIP Subtype	Separation - Full or Partial	Sewer Number	6393

Purpose and Justification

The CSO 217 483 projects will eliminate approx. 150 MG of CSOs, and includes four detention basins (Phase A), sewer separation via installation of 7,200 lf combined sewers and 5,700 lf storm sewers (Phase A2), and a storage facility (Phase B). Phase A2, the sewer separation scheduled for 2016, had its scope and \$5.56M budget subdivided from Phase A due to design schedule, ROW acquisition and specialized construction of the basins in Phase A. Phase A2 has been assigned the new Project ID 11243142. This project is part of the Lower Mill Creek Partial Remedy (LMCPR), and the overall bundle is currently \$8.5M under the original \$244M budget.

Impact to Operating Budget

None

Description and Location

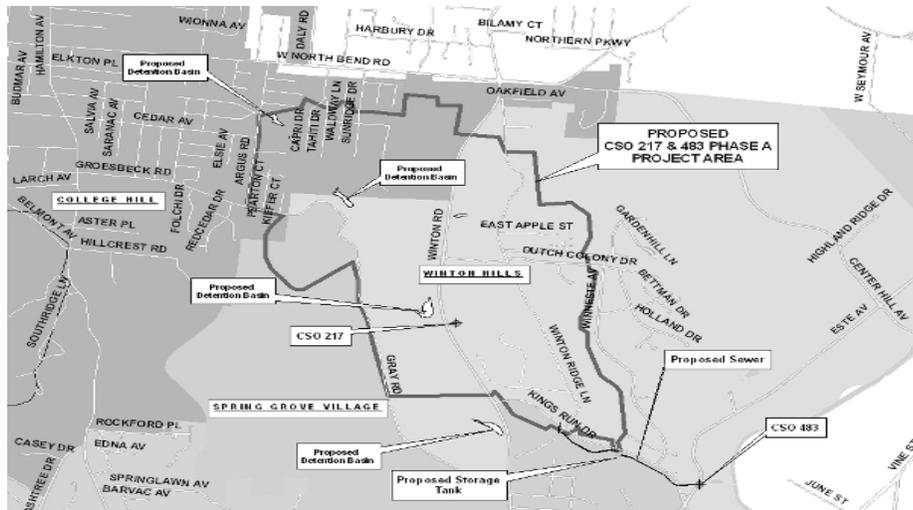
This project consists of construction of two new storm water detention basins, enlargement of two existing basins, new storm sewers, relocated combined sewers, and redirection of sanitary laterals. This project is located in the Winton Hills neighborhood of the City of Cincinnati, in the Kings Run Basin of the Mill Creek sewershed. This project also affects portions of the College Hill and Winton Place neighborhoods of the City of Cincinnati.

A total of \$720,035 was committed with legislated allowance funds.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$855,300	\$855,300	\$0	\$0	\$855,300
Pre-Construction Services	\$263,700	\$263,700	\$0	\$0	\$263,700
Miscellaneous Expense	\$143,900	\$143,900	\$0	\$0	\$143,900
Right-of-Way	\$2,284,000	\$2,284,000	\$0	\$0	\$2,284,000
Construction	\$13,883,400	\$0	\$3,535,400	\$0	\$3,535,400
Construction Services	\$313,500	\$0	\$199,000	\$0	\$199,000
Interest / Financing	\$239,000	\$0	\$38,000	\$0	\$38,000
Total	\$17,982,800	\$3,546,900	\$3,772,400	\$0	\$7,319,300

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$3,546,900	\$3,772,400	\$0	\$0	\$0	\$7,319,300

Prior Legislation Action
Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Upper Muddy Creek Interceptor Replacement		
Project ID	11530000	CIP Number	
CIP Subtype	Conveyance	Sewer Number	6281

Purpose and Justification

This project will replace the upper portion of the Muddy Creek Interceptor that was originally installed around 1929 and 1935. The existing sewer is aging and deteriorating and needs to be relocated. The project will also increase the capacity of the sewer to transport underflow from CSO 522, CSO 198, and CSO 518 to mitigate overflows presently caused by surcharging from entering the creek. Estimated cost of Construction is lower for multiple reasons including changes in depth, pipe material, cost of excavation and cost of pavement replacement was all higher during the planning phase. The lowered cost is based on the 90% design estimate. The OPE includes the cost for 11530001 Contract A.

Impact to Operating Budget

None

Description and Location

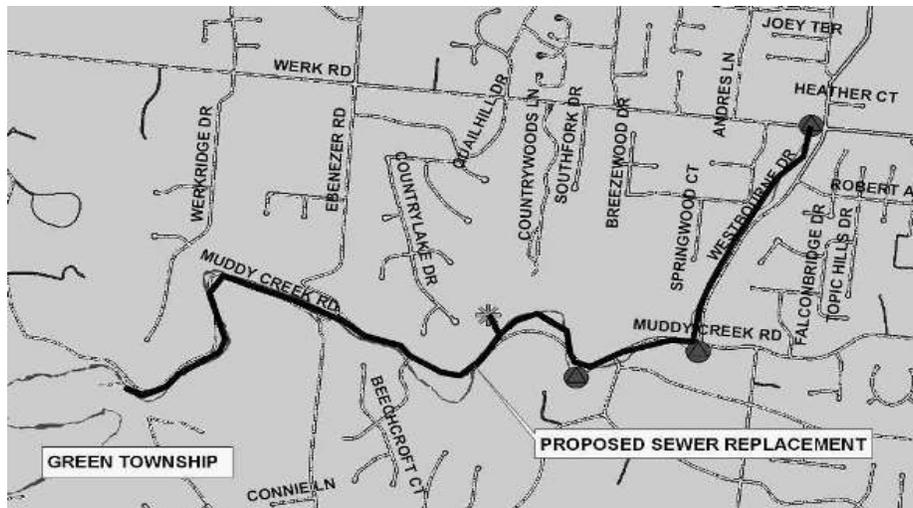
This project consists of installing approx. 3,300 LF of 30 inch sewer from CSO 522 (Werk Rd and Westbourne Dr) to the intersection of Muddy Creek Rd and Westbourne Dr and approx. 9,000 LF of 36 inch sewer from intersection of Westbourne Dr and Muddy Creek Rd to the oxbow in Muddy Creek. This project includes dynamic underflow control at CSO 522, CSO 198, and CSO 518 and the elimination of SSO 1061. This project is located in Green Township.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$1,186,900	\$1,186,900	\$0	\$0	\$1,186,900
Pre-Construction Services	\$1,437,400	\$1,437,400	\$0	\$0	\$1,437,400
Miscellaneous Expense	\$346,700	\$346,700	\$0	\$0	\$346,700
Right-of-Way	\$524,400	\$524,400	\$0	\$0	\$524,400
Construction	\$23,956,500	\$0	\$13,288,700	\$0	\$13,288,700
Construction Services	\$320,400	\$0	\$320,400	\$0	\$320,400
Interest / Financing	\$2,994,600	\$0	\$697,700	\$0	\$697,700
Total	\$30,766,900	\$3,495,400	\$14,306,800	\$0	\$17,802,200

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$3,495,400	\$14,306,800	\$0	\$0	\$0	\$0
						\$17,802,200

Prior Legislation Action

Dec 2011



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Upper Muddy Creek Interceptor Replacement Contract A	
Project ID	11530001	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The overall UMCI Replacement is an urgent capacity sewer project that has been moved forward from the Phase II WWIP. The proposed UMCI Replacement will replace the upper portion of the Upper Muddy Creek Interceptor that was originally installed around 1929 to 1935. The existing sewer is aging and deteriorating and experiences overflows directly into Muddy Creek. There is a risk of collapse in as few as 5 years for many segments. The project will also increase capacity of the sewer to transport underflow from CSO 522, CSO 198, and CSO 518 to the future Muddy Creek Basin Storage and Conveyance Sewer. This project must precede Werk & Westbourne.

Impact to Operating Budget

None

Description and Location

The project is located in the Muddy Creek sewer shed of the West Basin in Green Township, Hamilton County, Ohio. The project begins near 2896 Westbourne Drive and proceeds north to a location on Werk Road just north of Westbourne Drive across the street from the Hamilton County property designated for the proposed Werk and Westbourne EHRT (WWEHRT).

Contract A of the Upper Muddy Creek Interceptor Replacement (UMCI) project replaces the most upstream segment of the UMCI. The proposed segment consists of replacing the existing interceptor segment with approximately 1,200 linear feet of 30-inch diameter pipe, appurtenances, and flow controls.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$902,700	\$0	\$902,700	\$0	\$902,700
Construction Services	\$36,300	\$0	\$36,300	\$0	\$36,300
Interest / Financing	\$15,800	\$0	\$0	\$0	\$0
Total	\$954,800	\$0	\$939,000	\$0	\$939,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$939,000	\$0	\$0	\$0	\$0	\$939,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Mt Airy Receiving Sewer Upgrade		
Project ID	11540010	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6329

Purpose and Justification

This project will address capacity issues downstream of the Mt Airy Forest Sewer Upgrade project. This project proposes to replace approximately 1,550 feet of 12-inch sewer which will not have the capacity to handle the upstream flows from the Mt Airy Sewer project.

Impact to Operating Budget

None

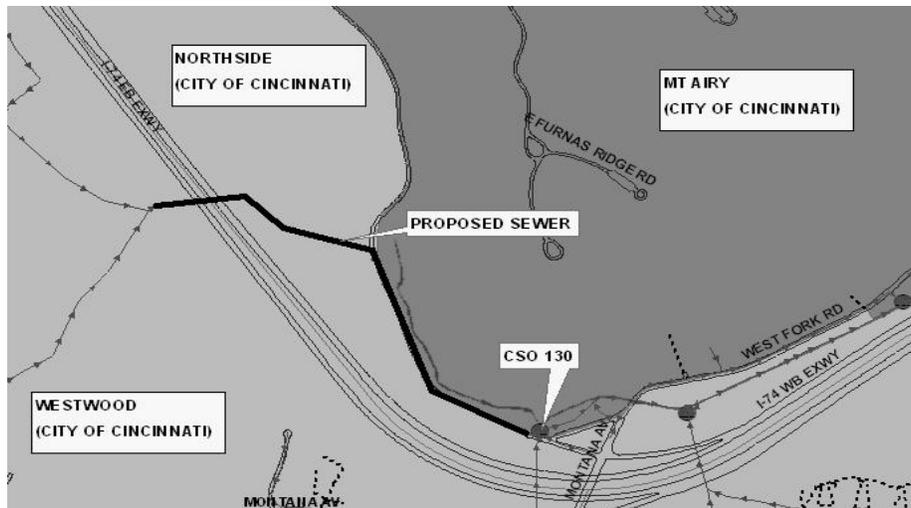
Description and Location

This project will upsize 3,100 lf of existing sewer to 24-inch gravity sanitary sewer. The project is located in the Mill Creek sewer shed of the Central Basin in the City of Cincinnati's Westwood neighborhood, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$248,800	\$0	\$248,900	\$0	\$248,900
Pre-Construction Services	\$152,200	\$0	\$76,100	\$0	\$76,100
Miscellaneous Expense	\$72,800	\$0	\$72,900	\$0	\$72,900
Right-of-Way	\$120,000	\$0	\$120,000	\$0	\$120,000
Construction	\$2,537,400	\$0	\$0	\$2,537,400	\$2,537,400
Construction Services	\$155,400	\$0	\$0	\$95,800	\$95,800
Interest / Financing	\$95,200	\$0	\$0	\$0	\$0
Total	\$3,381,800	\$0	\$517,900	\$2,633,200	\$3,151,100

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$517,900	\$0	\$2,633,200	\$0	\$0	\$3,151,100

Prior Legislation Action



2015 ASSET Projects



2015 Projects

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total	Page
10200001	ASSET	TRT	Great Miami WWTP	\$5,000,000	\$0	\$5,000,000	52
10230130	ASSET	SWR	Dry Weather Channel for SS 937	\$3,485,800	\$0	\$3,485,800	53
10240027	ASSET	SWR	Cora Avenue Sewer Replacement	\$647,100	\$0	\$647,100	54
10240029	ASSET	SWR	German Cemetery Sewer Replacement	\$695,000	\$0	\$695,000	55
10240144	ASSET	SWR	Millbrook # 2 Pump Station Upgrade	\$870,200	\$0	\$870,200	56
10240150	ASSET	SWR	Mt Airy Forest Sewer Replacement	\$5,183,700	\$0	\$5,183,700	57
10240151	ASSET	TRT	MCWWTP Administration and Annex Building Modifications	\$313,000	\$0	\$313,000	58
10240291	ASSET	TRT	Mill Creek WWTP Solids Handling Improvements Phase 1	\$12,159,200	\$0	\$12,159,200	59
10240320	ASSET	SWR	Wilder Avenue Sewer Replacement	\$400,200	\$0	\$400,200	60
10240335	ASSET	SWR	3568 Bogart Avenue Sewer Replacement	\$140,500	\$0	\$140,500	61
10240345	ASSET	SWR	Myrtle Avenue Sewer Replacement	\$34,000	\$0	\$34,000	62
10240350	ASSET	SWR	McKeone Avenue Sewer Replacement	\$103,000	\$0	\$103,000	63
10240380	ASSET	CSO	CSO 005 Water Connection	\$71,000	\$0	\$71,000	64
10240382	ASSET	CSO	CSO 5 (Lick Run RTC) Improvements	\$200,000	\$0	\$200,000	65
10240410	ASSET	SWR	Sharp Alley Sewer Replacement	\$502,700	\$0	\$502,700	66
10240430	ASSET	SWR	Berkley Avenue Sewer Replacement	\$583,300	\$0	\$583,300	67
10240435	ASSET	SWR	Pleasant Run Central Force Main Repairs (Construction)	\$1,068,000	\$0	\$1,068,000	68
10240460	ASSET	SWR	Fairbanks Avenue Sewer Replacement	\$282,500	\$0	\$282,500	69
10240465	ASSET	SWR	Hosea Street Sewer Replacement	\$397,900	\$0	\$397,900	70
10240495	ASSET	SWR	Wahl Terrace Sewer Replacement	\$577,800	\$0	\$577,800	71
10240535	ASSET	SWR	Stout Avenue Sewer Improvements	\$707,600	\$0	\$707,600	72
10240545	ASSET	SWR	Central Parkway Sewer Replacement (HN 2402)	\$129,200	\$0	\$129,200	73
10240560	ASSET	SWR	Schulte Drive Sewer Replacement	\$145,100	\$0	\$145,100	74
10240565	ASSET	NON	Overflow Parking lot for MSDGC Engineering and Administration Buildings (Construction)	\$475,000	\$0	\$475,000	75
10240585	ASSET	TRT	MCWWTP Two-Bay Solids Receiving Facility (Design,Construction)	\$1,008,100	\$0	\$1,008,100	76
10240590	ASSET	TRT	MCWWTP Main Substation Improvements (Planning,Design,Construction)	\$496,700	\$0	\$496,700	77
10240595	ASSET	TRT	MCWWTP Power Bldg Medium Voltage Switchgear (Planning,Design,Construction)	\$517,400	\$0	\$517,400	78
10240645	ASSET	NON	WWC Maintenance Shop Improvements	\$144,850	\$0	\$144,850	79
10240646	ASSET	NON	WWC Storeroom Driveway Flood Protection	\$150,000	\$0	\$150,000	80
10241820	ASSET	TRT	SSO 700 Facility Improvements	\$8,509,500	\$0	\$8,509,500	81
10250030	ASSET	TRT	Polk Run UV System Post Aeration Improvements	\$225,000	\$0	\$225,000	82
10250035	ASSET	TRT	Polk Run Non-Potable Water Upgrades	\$102,000	\$0	\$102,000	83
10270007	ASSET	SWR	Dry Run Area Sewers Phase 2 Contract RB	\$7,181,100	\$0	\$7,181,100	84
10270120	ASSET	SWR	Cath Calvary Cemetery Sewer Replacement	\$168,700	\$0	\$168,700	85



2015 Projects

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total	Page
10270140	ASSET	SWR	Grove Avenue Sewer Replacement	\$211,000	\$0	\$211,000	86
10270145	ASSET	SWR	Columbia Parkway at Delta Sewer Replacement	\$299,000	\$0	\$299,000	87
10270155	ASSET	SWR	Paxton Avenue Sewer Rehabilitation	\$332,600	\$0	\$332,600	88
10270170	ASSET	CSO	CSO 83 and 472 Dynamic Underflow Control	\$400,000	\$0	\$400,000	89
10270175	ASSET	SWR	East Hill Ave Sewer Replacement	\$279,700	\$0	\$279,700	90
10270176	ASSET	SWR	Stanley Ave Lateral Relocations	\$184,800	\$0	\$184,800	91
10280124	ASSET	ALW	CIP Project Planning (Planning)	\$2,500,000	\$0	\$2,500,000	92
10280185	ASSET	ALW	WWT System Asset Renewal 2015 (Construction)	\$5,000,000	\$0	\$5,000,000	93
10280235	ASSET	SWR	Hydraulic Modeling 2015 (Planning)	\$1,500,000	\$0	\$1,500,000	94
10280315	ASSET	ALW	Emergency Sewer Repairs 2015 (Construction)	\$8,500,000	\$0	\$8,500,000	95
10280340	ASSET	SWR	System-Wide Sensor Installation	\$750,000	\$0	\$750,000	96
10280515	ASSET	ALW	High Risk Asset Renewal 2015 (Construction)	\$4,500,000	\$0	\$4,500,000	97
10280615	ASSET	ALW	Water Quality Modeling 2015 (Planning)	\$1,000,000	\$0	\$1,000,000	98
Total Cost for 47 ASSET Projects				\$78,132,250	\$0	\$78,132,250	

2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Great Miami WWTP	
Project ID	10200001	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

The Final WWIP identifies a new WWTP for northwestern Hamilton County and southwestern Butler County. This project provides an opportunity for shared resources for construction, management, operation, and maintenance of a regional wastewater treatment facility. In 2009, the County purchased property for this future facility and authorized planning. This project will also mitigate the risk of Pleasant Run force main failure.

Impact to Operating Budget

None

Description and Location

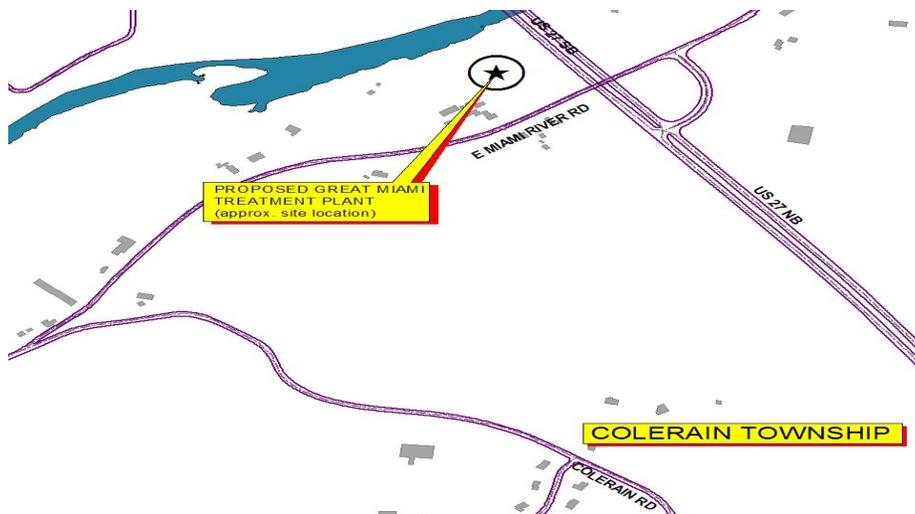
MSD has completed a comprehensive Business Case Evaluation considering multiple conveyance and treatment alternatives for the Great Miami WWTP project. A presentation of this effort will be provided to the Board of County Commissioners in 2014. This project provides funding for preliminary engineering and development of Design-Build procurement documents. This project is located along East Miami River Road, southwest of the interchange with US Route 27, in Colerain Township, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$5,484,570	\$2,484,570	\$0	\$0	\$2,484,570
Design	\$3,000,000	\$0	\$4,800,000	\$0	\$4,800,000
Pre-Construction Services	\$200,000	\$10,000	\$200,000	\$0	\$210,000
Miscellaneous Expense	\$528,457	\$178,457	\$0	\$0	\$178,457
Right-of-Way	\$1,000,000	\$0	\$0	\$0	\$0
Construction	\$87,000,000	\$0	\$0	\$55,000,000	\$55,000,000
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$3,656,000	\$0	\$0	\$0	\$0
Total	\$100,869,027	\$2,673,027	\$5,000,000	\$55,000,000	\$62,673,027

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$5,000,000	\$55,000,000	\$0	\$0	\$0	\$62,673,027
	\$2,673,027					

Prior Legislation Action

Aug 2009, Dec 2009



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Dry Weather Channel for SS 937		
Project ID	10230130	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6253

Purpose and Justification

The dry weather channel will remediate significant sewer odors that have been experienced in areas north of the proposed Werk and Westbourne EHRT, along Glenway Avenue and Westbourne Drive where, during dry weather, there is insufficient flow to convey solids through the combined sewer which runs beneath these streets. Furthermore, the dry weather channel will significantly reduce the quantity of solids and associated odors that are conveyed to Schaible Creek during summertime wet weather events characterized by heavy early-onset precipitation. This project will also improve water quality in the creek.

Impact to Operating Budget

None

Description and Location

This project proposes to remodel the bottom of 5500 feet of existing Sanitary Sewer 937A and 937B to create a dry weather channel. This dry weather channel will be constructed to increase flow velocity of dry weather flow in this sewer to allow solids to be conveyed and handled at the Muddy Creek WWTP during dry weather. This project is located in Green Township.

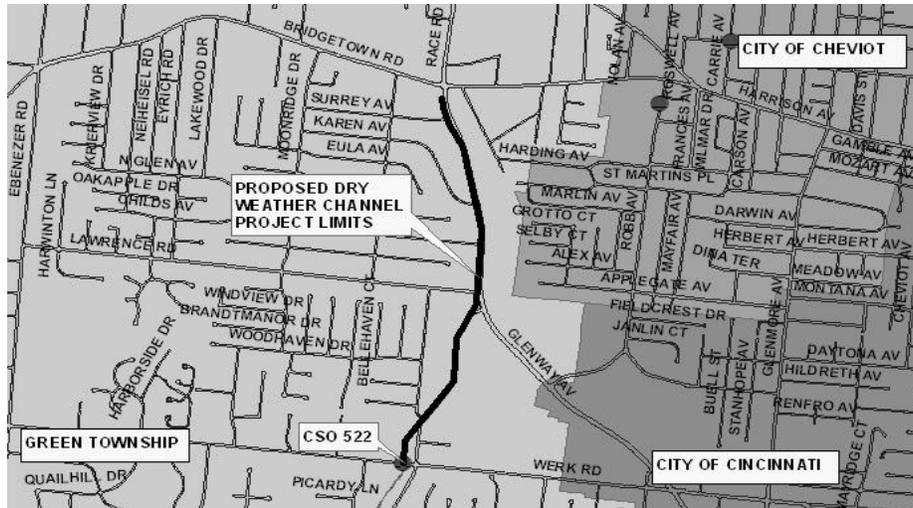
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$244,900	\$244,900	\$0	\$0	\$244,900
Pre-Construction Services	\$67,300	\$67,300	\$0	\$0	\$67,300
Miscellaneous Expense	\$42,500	\$42,500	\$0	\$0	\$42,500
Right-of-Way	\$65,700	\$65,700	\$0	\$0	\$65,700
Construction	\$1,701,000	\$0	\$3,390,000	\$0	\$3,390,000
Construction Services	\$70,000	\$0	\$95,800	\$0	\$95,800
Interest / Financing	\$28,000	\$0	\$0	\$0	\$0
Total	\$2,219,400	\$420,400	\$3,485,800	\$0	\$3,906,200

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$420,400	\$3,485,800	\$0	\$0	\$0	\$0	\$3,906,200

Prior Legislation Action

May 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Cora Avenue Sewer Replacement		
Project ID	10240027	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6226

Purpose and Justification

This project will replace an 8-inch sanitary sewer installed in 1924 that is aging and deteriorating. Portions of the pipe are deformed and broken and others have partially collapsed. The sewer is also damaged at the point of connection for many of the service laterals.

Impact to Operating Budget

None

Description and Location

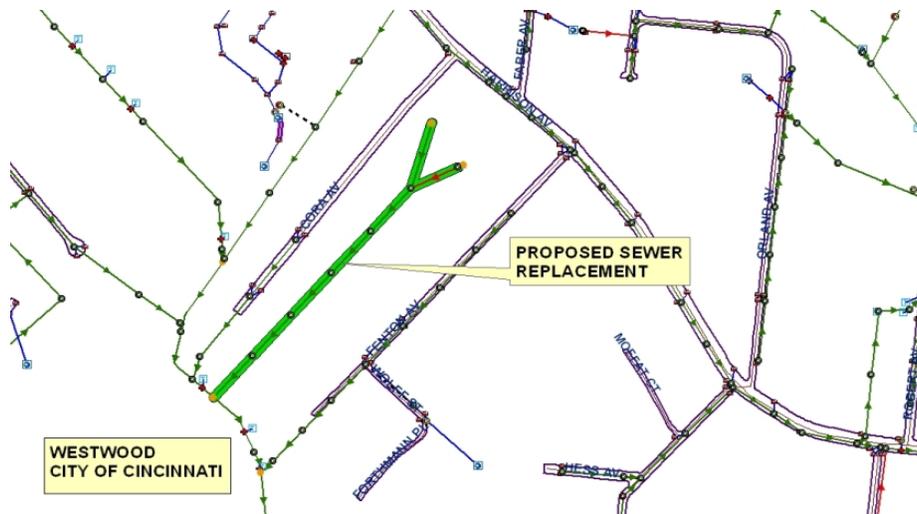
This project consists of replacing approximately 1,138 feet of 8-inch mainline sewer composed of PVC, vitrified clay, and cast iron, between Cora Avenue and Fenton Avenue, south of Harrison Avenue. This project is located in the Westwood neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$79,700	\$79,700	\$0	\$0	\$79,700
Pre-Construction Services	\$34,200	\$54,200	\$0	\$0	\$54,200
Miscellaneous Expense	\$41,600	\$41,600	\$0	\$0	\$41,600
Right-of-Way	\$153,800	\$314,400	\$0	\$0	\$314,400
Construction	\$569,300	\$0	\$618,200	\$0	\$618,200
Construction Services	\$28,900	\$0	\$28,900	\$0	\$28,900
Interest / Financing	\$14,200	\$0	\$0	\$0	\$0
Total	\$921,700	\$489,900	\$647,100	\$0	\$1,137,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$489,900	\$647,100	\$0	\$0	\$0	\$1,137,000

Prior Legislation Action

Mar 2011, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	German Cemetery Sewer Replacement		
Project ID	10240029	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6106

Purpose and Justification

This combined sewer was built in 1914 and it is failing. This project will rehabilitate the combined sewer needed to prevent total failure of the sewer which would result in sewage backups in homes, a cemetery, or the public right of way. Since the sewer is required to relocate from beneath the Duke Energy tower footprint, Construction costs have increased.

Impact to Operating Budget

None

Description and Location

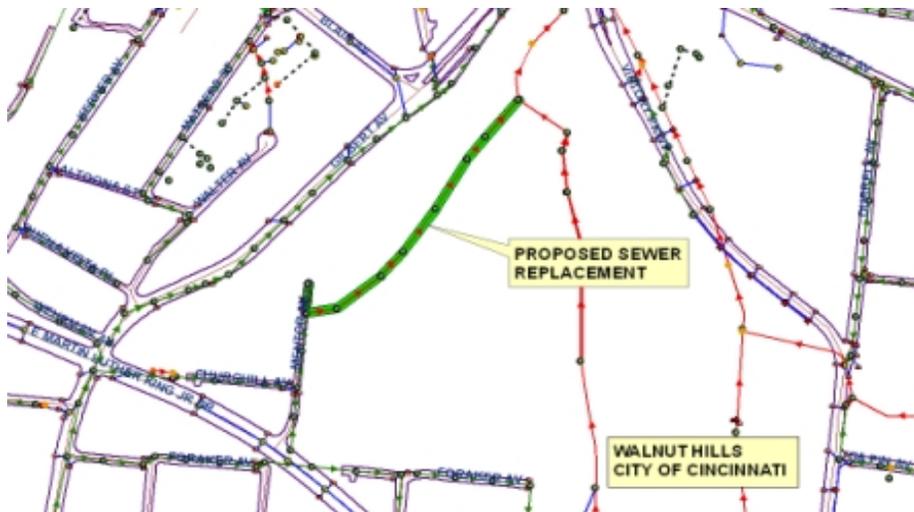
This project will rehabilitate 1,300 feet of failing 12, 18, and 24-inch combined sewer beginning at the North terminus of Mentor Street and continuing northeast towards Gilbert Avenue. This work will involve replacement sewer sections. This project is in the Walnut Hills neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$78,100	\$79,654	\$0	\$0	\$79,654
Pre-Construction Services	\$31,200	\$63,000	\$0	\$0	\$63,000
Miscellaneous Expense	\$17,200	\$15,646	\$0	\$0	\$15,646
Right-of-Way	\$187,600	\$172,128	\$0	\$0	\$172,128
Construction	\$520,700	\$0	\$663,400	\$0	\$663,400
Construction Services	\$37,700	\$0	\$31,600	\$0	\$31,600
Interest / Financing	\$6,500	\$0	\$0	\$0	\$0
Total	\$879,000	\$330,428	\$695,000	\$0	\$1,025,428

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$330,428	\$695,000	\$0	\$0	\$0	\$1,025,428

Prior Legislation Action

Dec 2010, Jan 2014, Jun 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Millbrook # 2 Pump Station Upgrade		
Project ID	10240144	CIP Number	1997-82
CIP Subtype	Pump Station Upgrade	Sewer Number	4751

Purpose and Justification

The project will replace the deteriorated, aging and undersized Millbrook #2 Pump Station. This project will also provide secondary power for the pump station.

Impact to Operating Budget

None

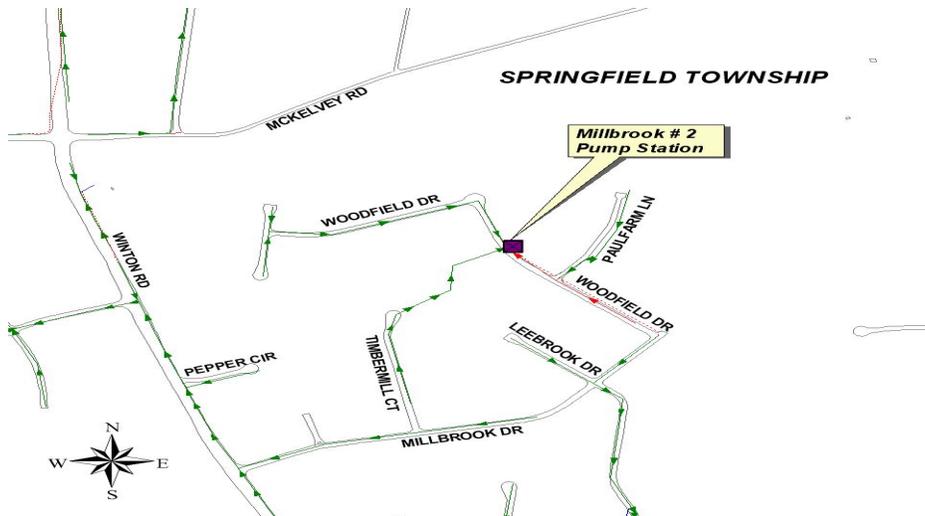
Description and Location

This project consists of replacing upgrading the existing Millbrook #2 Pump Station, and upsizing and relocating a new force main. The project is located on Woodfield Drive in Springfield Township.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$29,400	\$161,000	\$0	\$0	\$161,000
Pre-Construction Services	\$75,000	\$75,000	\$0	\$0	\$75,000
Miscellaneous Expense	\$71,000	\$10,400	\$0	\$0	\$10,400
Right-of-Way	\$20,000	\$54,000	\$0	\$0	\$54,000
Construction	\$490,000	\$0	\$801,000	\$0	\$801,000
Construction Services	\$24,000	\$0	\$69,200	\$0	\$69,200
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$709,400	\$300,400	\$870,200	\$0	\$1,170,600

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$300,400	\$870,200	\$0	\$0	\$0	\$1,170,600

Prior Legislation Action
Dec 2006, Dec 2009, Sep 2011, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Mt Airy Forest Sewer Replacement		
Project ID	10240150	CIP Number	2008-33
CIP Subtype	Sewer Replacement	Sewer Number	5948

Purpose and Justification

This project proposes to replace numerous segments of sanitary interceptor sewer within Mt. Airy Forest Park. These segments are undersized and in need of continued maintenance and are not candidates for lining. Failure to address this failing sewer could result in collapse and sewage discharges to the park.

Impact to Operating Budget

None

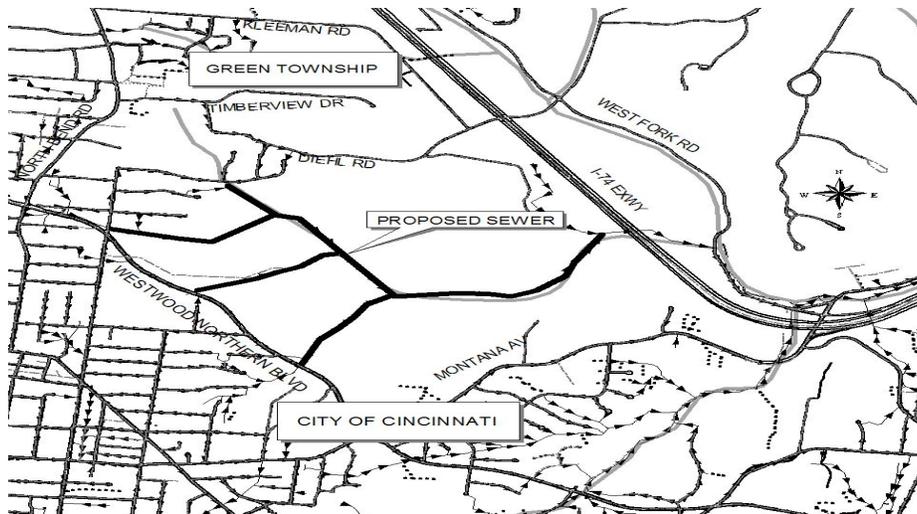
Description and Location

This project will replace and upsize approximately 10,000 linear feet of 8-inch and 12-inch existing sewer with 15-inch and 24-inch sewer. This project is located in Mt Airy Forest and Westwood neighborhood in the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$450,000	\$590,000	\$0	\$0	\$590,000
Pre-Construction Services	\$120,000	\$234,800	\$0	\$0	\$234,800
Miscellaneous Expense	\$20,000	\$20,000	\$0	\$0	\$20,000
Right-of-Way	\$20,000	\$170,000	\$0	\$0	\$170,000
Construction	\$3,913,700	\$0	\$4,413,700	\$0	\$4,413,700
Construction Services	\$632,200	\$0	\$513,000	\$0	\$513,000
Interest / Financing	\$164,400	\$0	\$257,000	\$0	\$257,000
Total	\$5,320,300	\$1,014,800	\$5,183,700	\$0	\$6,198,500

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$1,014,800	\$5,183,700	\$0	\$0	\$0	\$6,198,500

Prior Legislation Action
Dec 2007, Feb 2009, Jul 2010, Mar 2011, Dec 2011



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	MCWWTP Administration and Annex Building Modifications		
Project ID	10240151	CIP Number	
CIP Subtype	Treatment Plant Project	Sewer Number	6153

Purpose and Justification

The project will make necessary renovations to the Old Administration Building and Annex Building located on the Mill Creek WWTP Campus. The Old Administration Building was constructed in 1955. The Annex Building was constructed in 1969. The Administration building will renovate plumbing, mechanical, electrical and communication technologies on the 1st and 2nd floors and provide office spaces and ADA compliant restrooms. The Annex building will receive minimal system upgrades only to the extent that will be required to adequately serve the storage spaces. Both buildings will have fire protection sprinkler systems installed.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

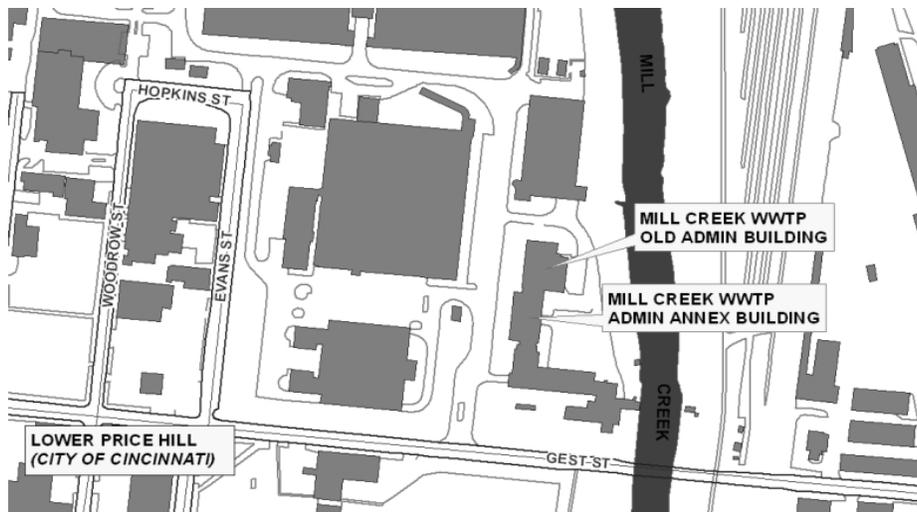
This project will renovate the existing Old Administration building to provide office spaces and will renovate the existing Annex building to convert it to a Document Control Building to centralize all MSD Documents. Document storage is a requirement of the Consent Decree. This project is located at the Mill Creek Treatment Plant in the Lower Price Hill neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$195,000	\$195,000	\$295,000	\$0	\$490,000
Pre-Construction Services	\$3,000	\$13,070	\$3,000	\$0	\$16,070
Miscellaneous Expense	\$30,000	\$30,000	\$15,000	\$0	\$45,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$3,267,800	\$0	\$0	\$4,627,000	\$4,627,000
Construction Services	\$213,100	\$0	\$0	\$416,400	\$416,400
Interest / Financing	\$122,500	\$0	\$0	\$134,600	\$134,600
Total	\$3,831,400	\$238,070	\$313,000	\$5,178,000	\$5,729,070

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$238,070	\$0	\$5,178,000	\$0	\$0	\$5,729,070
	\$313,000	\$0	\$5,178,000	\$0	\$0	\$5,729,070

Prior Legislation Action

Aug 2010



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Mill Creek WWTP Solids Handling Improvements Phase 1		
Project ID	10240291	CIP Number	
CIP Subtype	Treatment Plant Project	Sewer Number	6146

Purpose and Justification

The purpose of this project is to improve solids handling facilities at the Mill Creek WWTP. In particular it is important to ensure solids processing capacity over the useful life of the incinerators is maintained. MSDGC proposes a phased approach for the improvements so the most immediate upstream solids handling needs can be addressed first. The first phase of this project will include the following improvements: construction of larger sludge feed wells, upgrade of sludge feed piping and pumps, and upgrade of support structures and equipment.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

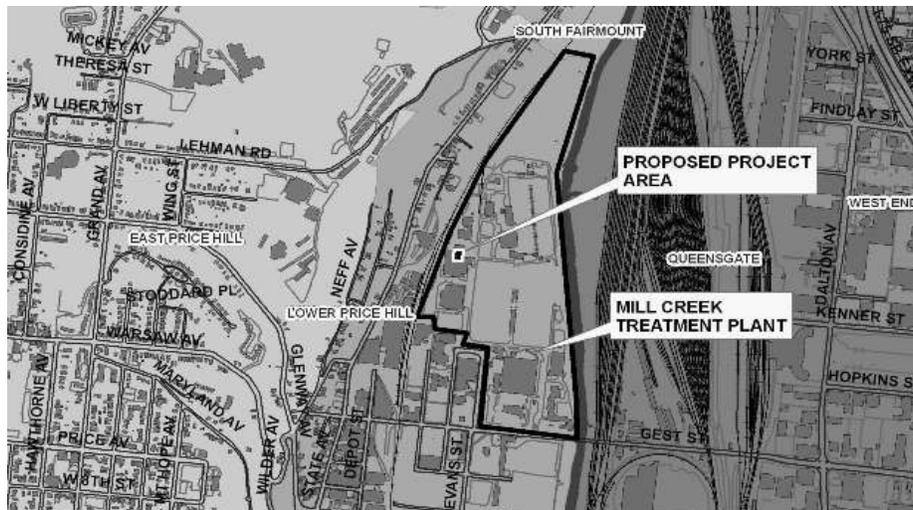
The scope of the project is to convert the basement area formerly occupied by multiple hearth incinerators 5 and 6 into new dewatering sludge feed well. The project will replace the dewatering centrifugal feed pumps, grinders, associated piping and valves, and construct a dewatering feed well odor control system. The scope also includes upgrades of sludge feed pipes and pumps at the two southern most digesters (A1 and A2). This project is located in the Lower Price Hill neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$250,000	\$114,332	\$0	\$0	\$114,332
Design	\$1,340,000	\$1,475,668	\$0	\$0	\$1,475,668
Pre-Construction Services	\$245,000	\$245,000	\$0	\$0	\$245,000
Miscellaneous Expense	\$50,000	\$50,000	\$0	\$0	\$50,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$16,350,000	\$0	\$10,623,100	\$0	\$10,623,100
Construction Services	\$1,840,000	\$0	\$956,100	\$0	\$956,100
Interest / Financing	\$580,000	\$0	\$580,000	\$0	\$580,000
Total	\$20,655,000	\$1,885,000	\$12,159,200	\$0	\$14,044,200

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$1,885,000	\$0	\$0	\$0	\$0	\$14,044,200
	\$12,159,200	\$0	\$0	\$0	\$0	\$14,044,200

Prior Legislation Action

Mar 2011, Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Wilder Avenue Sewer Replacement		
Project ID	10240320	CIP Number	2008-44
CIP Subtype	Sewer Replacement	Sewer Number	6041

Purpose and Justification

The purpose of this project is to replace the existing sewer due to its condition and location. The existing sewer was installed around 1900 and is cracked and broken. It is currently located on a steep hillside with many retaining walls. The sewer was initially built to carry flow from a ravine that is no longer connected to the sewer.

Impact to Operating Budget

None

Description and Location

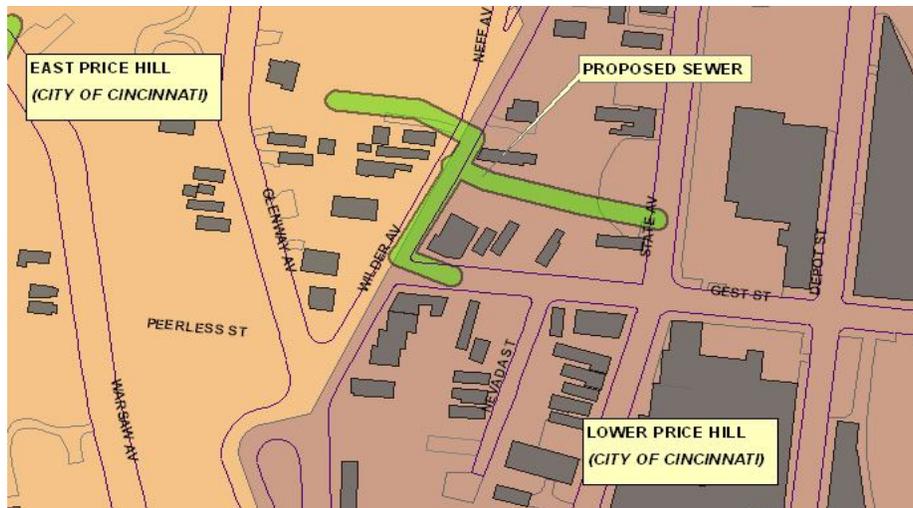
This project will replace 549 feet of existing stone combined sewer with 769 feet of new sewer pipe in a different alignment. It will also install a new pipe segment from Wilder to Gest Street. This project is located on private property in the Lower Price Hill neighborhood of the City of Cincinnati. The project crosses Wilder Avenue and ends in State Avenue.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$35,000	\$110,200	\$0	\$0	\$110,200
Pre-Construction Services	\$7,000	\$32,200	\$0	\$0	\$32,200
Miscellaneous Expense	\$5,000	\$38,000	\$0	\$0	\$38,000
Right-of-Way	\$47,000	\$47,000	\$0	\$0	\$47,000
Construction	\$171,000	\$0	\$371,200	\$0	\$371,200
Construction Services	\$29,000	\$0	\$29,000	\$0	\$29,000
Interest / Financing	\$2,000	\$0	\$0	\$0	\$0
Total	\$296,000	\$227,400	\$400,200	\$0	\$627,600

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$227,400	\$400,200	\$0	\$0	\$0	\$627,600

Prior Legislation Action

Dec 2008, May 2010, Dec 2011



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	3568 Bogart Avenue Sewer Replacement		
Project ID	10240335	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6203

Purpose and Justification

The purpose of the project is to fill, seal and abandon 196 linear feet of 12-inch existing sanitary sewer and construct approximately 100 linear feet of new 12-inch conduit along Bogart Avenue. The existing sanitary sewer is located underneath 3568 Bogart and has extensive fracturing. This Sewer was constructed in 1895. The abandonment of the existing sewer will eliminate the risk of total failure of the sewer causing sewage backup in the home. The cost have increased from the preliminary estimate to the 90% estimate due to underground conditions discovered in design that require additional lateral construction and restoration.

Impact to Operating Budget

None

Description and Location

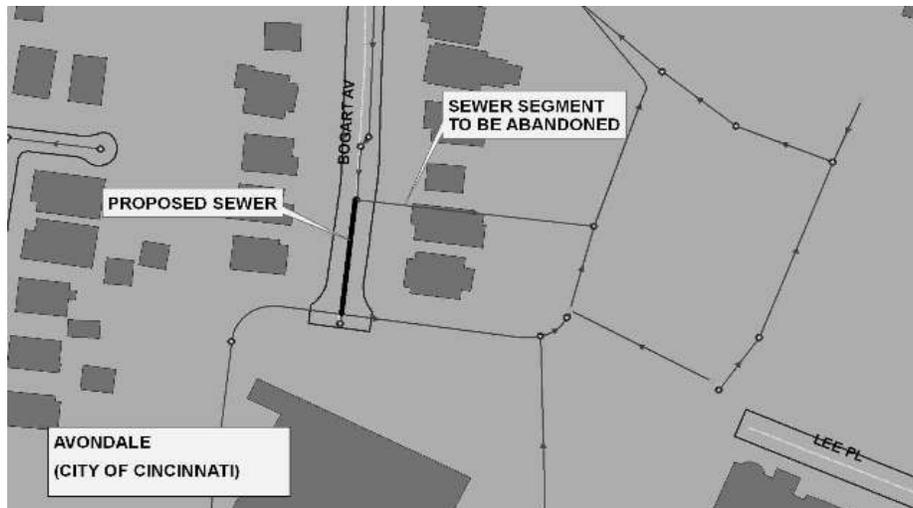
The project includes the construction of 100 linear feet of 12-inch diameter sanitary sewer and abandonment of 196 linear feet of existing 12-inch diameter sanitary sewer. The project is located in the Avondale neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$27,800	\$27,800	\$0	\$0	\$27,800
Pre-Construction Services	\$3,600	\$9,916	\$0	\$0	\$9,916
Miscellaneous Expense	\$10,800	\$10,800	\$0	\$0	\$10,800
Right-of-Way	\$0	\$15,500	\$0	\$0	\$15,500
Construction	\$119,900	\$0	\$135,000	\$0	\$135,000
Construction Services	\$5,500	\$0	\$5,500	\$0	\$5,500
Interest / Financing	\$500	\$0	\$0	\$0	\$0
Total	\$168,100	\$64,016	\$140,500	\$0	\$204,516

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$64,016	\$140,500	\$0	\$0	\$0	\$204,516

Prior Legislation Action

Oct 2012, Mar 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Myrtle Avenue Sewer Replacement		
Project ID	10240345	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6206

Purpose and Justification

The purpose of the project is to abandon a portion of existing 24 x 24 inch stone sanitary sewer that runs underneath two existing structures. The sewer is believed to be installed in 1891 and has collapsed. Due to poor structural conditions the existing sewer is not a lining candidate. Attempts to clean and CCTV inspect the sewer in its entirety have been unsuccessful due to the presence of deposits, debris, and an irregular bottom of the sewer. MSDGC has received WIB and odor complaints regarding this sewer.

Impact to Operating Budget

None

Description and Location

The project will install a 6-inch lateral tapped into the existing 36-inch sanitary sewer located in Myrtle Ave to service parcel 066-0002-0019 (HN 1125) along with other sewer appurtenances stopping at the public right of way in front of 1125 Myrtle Ave. The scope would also partially fill, seal and abandon the 24" x 24" existing sewer running underneath 1125 Myrtle Ave. between MH- 37010051 and a new manhole installed in the existing 24" x 24" sewer at the public right of way in front of 2721 Alms Pl. The remainder of the project would be returned to planning for further evaluation on how to address the remaining 24" x 24" sewer. The project is located between Myrtle Avenue and Preston Place in the Walnut Hills neighborhood of the City of Cincinnati Hamilton County, Ohio.

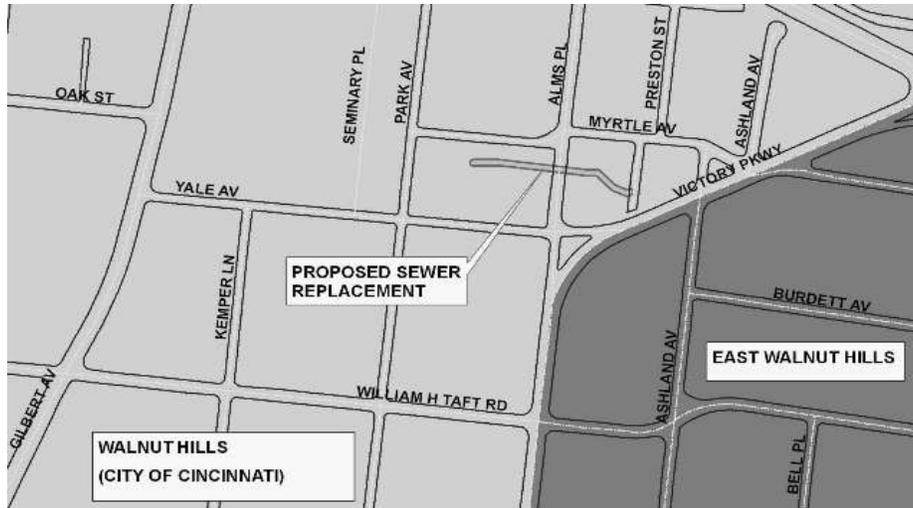
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$16,700	\$16,700	\$0	\$0	\$16,700
Pre-Construction Services	\$1,700	\$1,700	\$0	\$0	\$1,700
Miscellaneous Expense	\$26,700	\$26,700	\$0	\$0	\$26,700
Right-of-Way	\$5,200	\$5,200	\$0	\$0	\$5,200
Construction	\$57,300	\$0	\$29,000	\$0	\$29,000
Construction Services	\$6,900	\$0	\$5,000	\$0	\$5,000
Interest / Financing	\$1,000	\$0	\$0	\$0	\$0
Total	\$115,500	\$50,300	\$34,000	\$0	\$84,300

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$50,300	\$34,000	\$0	\$0	\$0	\$0	\$84,300

Prior Legislation Action

Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	McKeone Avenue Sewer Replacement		
Project ID	10240350	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6207

Purpose and Justification

The purpose of the project is to replace 122 linear feet of 15-inch existing sewer with 147 linear feet of 18-inch conduit in a new alignment. The existing 15-inch sewer, installed in 1929, has significant deformation and is not a candidate for pipe lining. The new alignment and larger size will eliminate both the water main interference which was constructed over top the sanitary sewer and upstream water-in-basement issues on McKeone Avenue.

Impact to Operating Budget

None

Description and Location

The project includes the construction of 147 linear feet of 18-inch diameter sanitary sewer and abandonment of 122 linear feet of 15-inch existing sanitary sewer. The project is located in the West Price Hill neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$9,850	\$9,850	\$0	\$0	\$9,850
Pre-Construction Services	\$4,400	\$4,400	\$0	\$0	\$4,400
Miscellaneous Expense	\$32,700	\$32,700	\$0	\$0	\$32,700
Right-of-Way	\$6,000	\$6,000	\$0	\$0	\$6,000
Construction	\$73,000	\$0	\$85,000	\$0	\$85,000
Construction Services	\$13,500	\$0	\$18,000	\$0	\$18,000
Interest / Financing	\$1,500	\$0	\$0	\$0	\$0
Total	\$140,950	\$52,950	\$103,000	\$0	\$155,950

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$52,950	\$103,000	\$0	\$0	\$0	\$155,950

Prior Legislation Action
Oct 2012



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	CSO 005 Water Connection		
Project ID	10240380	CIP Number	
CIP Subtype	Regulator Improvement	Sewer Number	6334

Purpose and Justification

This CSO facility allows combined sewage to overflow into the Mill Creek at times when the capacity of the 24-inch underflow pipe has been exceeded. The facility was recently upgraded with Real Time Control in order to take advantage of storage capacity in the existing Lick Run Trunk Sewer. MSD has discovered that using the CSO chamber for storage results in a substantial buildup of sediment. This project will provide a safe and effective means for cleaning and removal of sediment at the CSO facility, which is necessary in order to stay in compliance with the CSO NPDES permit.

Impact to Operating Budget

None

Description and Location

MSD proposes to construct a permanent water service connection from the 8" water main on Queen City Ave. 350 linear feet of 4-inch ductile iron pipe water service, one Railroad crossing, a water cannon, a yard hydrant with 2.5-inch diameter house connection hose and other appurtenance. During design it was determined any connection to the 36" water main on site would be temporary because water main is to be relocated as part of the Lick Run Valley Conveyance System, therefore the service lateral was extended to the nearest active main. This project is located in the South Fairmount neighborhood of the City of Cincinnati, Hamilton County, Ohio.

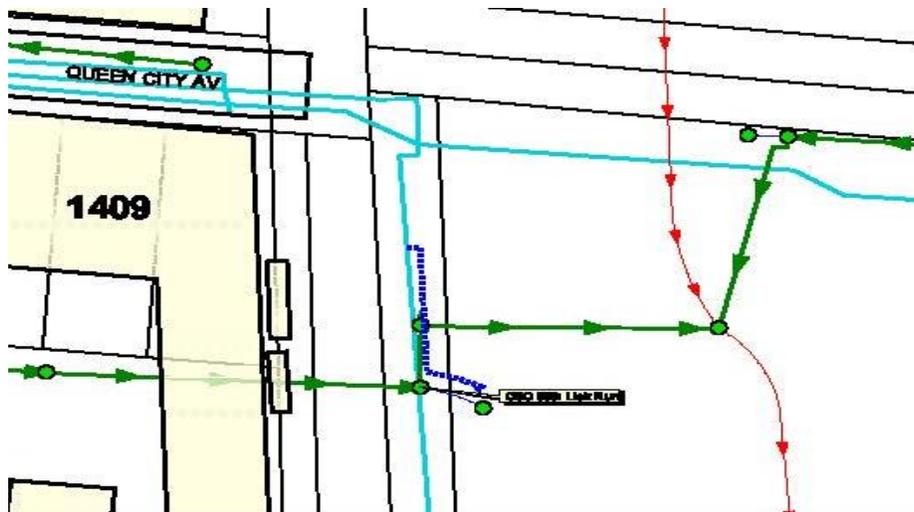
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$17,300	\$17,300	\$0	\$0	\$17,300
Pre-Construction Services	\$1,800	\$1,800	\$0	\$0	\$1,800
Miscellaneous Expense	\$7,300	\$7,300	\$0	\$0	\$7,300
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$60,400	\$0	\$60,400	\$0	\$60,400
Construction Services	\$10,600	\$0	\$10,600	\$0	\$10,600
Interest / Financing	\$300	\$0	\$0	\$0	\$0
Total	\$97,700	\$26,400	\$71,000	\$0	\$97,400

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$26,400	\$71,000	\$0	\$0	\$0	\$0	\$97,400

Prior Legislation Action

May 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	CSO 5 (Lick Run RTC) Improvements	
Project ID	10240382	CIP Number
CIP Subtype	Real Time Control	Sewer Number

Purpose and Justification

This project will complete and implement a RCM study that is being used to develop and improved maintenance strategy targeting high availability, maintainability, and reliability with recommended improvements coming from efforts resulting in upgrades or modifications to the local control system or sensors.

Impact to Operating Budget

Description and Location

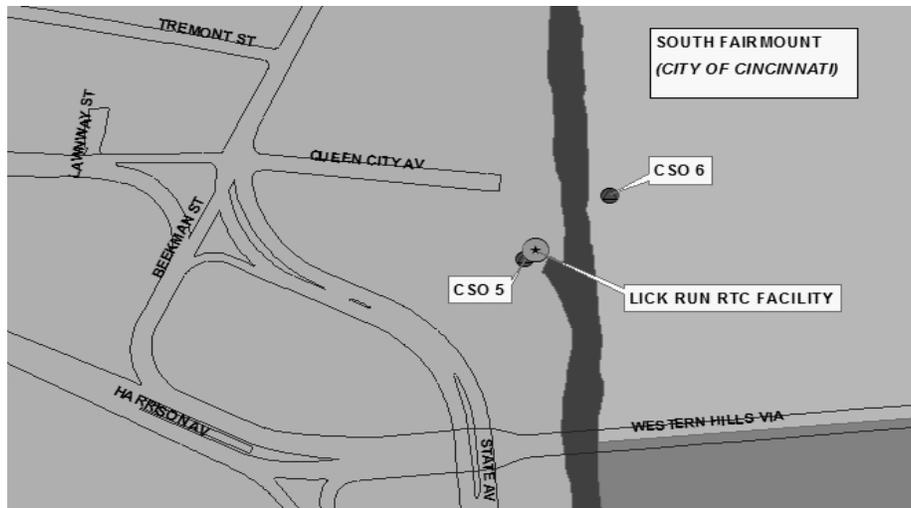
This project will complete and implement a RCM study that is being used to develop and improved maintenance strategy targeting high availability, maintainability, and reliability with recommended improvements coming from efforts resulting in upgrades or modifications to the local control system or sensors.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$25,000	\$0	\$25,000	\$0	\$25,000
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$150,000	\$0	\$150,000	\$0	\$150,000
Construction Services	\$25,000	\$0	\$25,000	\$0	\$25,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$200,000	\$0	\$200,000	\$0	\$200,000

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Sharp Alley Sewer Replacement		
Project ID	10240410	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6292

Purpose and Justification

The project will replace three collapsed sewer segments, repair fractured segments and replace one existing manhole within an existing 24-inch stone sewer. The existing 24-inch stone sewer, installed in 1817, has extensive fracturing along with collapsed segments that prevent maintenance. Estimated total project cost has almost doubled during the detail design phase due to addition of shoring and monitoring requirements required to protect the adjacent building foundations during excavation.

Impact to Operating Budget

None

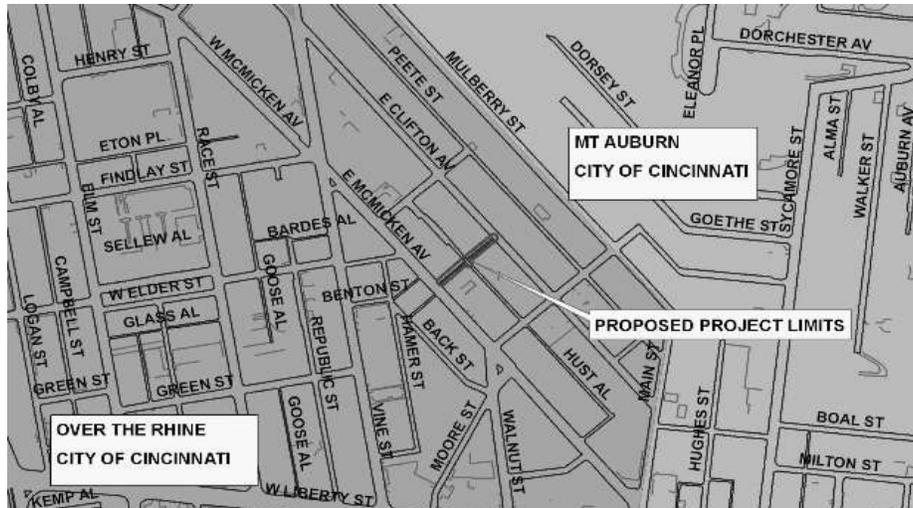
Description and Location

This project will replace approximately 235 linear feet of existing 24-inch diameter stone sewer between existing manhole #33005088 and manhole #3305076 will be lined. Additionally approximately 35 linear feet within the same alignment will be replaced. Existing manhole #33005075 that connects the three collapsed segments will be replaced with a new manhole. Project costs have increased due to the need to replace three segments instead of two as initially estimated. The project is located in the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$52,900	\$64,644	\$0	\$0	\$64,644
Pre-Construction Services	\$8,600	\$16,100	\$0	\$0	\$16,100
Miscellaneous Expense	\$33,500	\$21,756	\$0	\$0	\$21,756
Right-of-Way	\$10,700	\$10,700	\$0	\$0	\$10,700
Construction	\$287,300	\$0	\$482,900	\$0	\$482,900
Construction Services	\$15,100	\$0	\$19,800	\$0	\$19,800
Interest / Financing	\$3,600	\$0	\$0	\$0	\$0
Total	\$411,700	\$113,200	\$502,700	\$0	\$615,900

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$113,200	\$502,700	\$0	\$0	\$0	\$615,900

Prior Legislation Action
Jan 2013, Jan 2014, Jun 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Berkley Avenue Sewer Replacement	
Project ID	10240430	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The purpose of this project is to rehabilitate four combined sewer segments, abandon one segment, and replace one segment of a deteriorated combined sewer originally constructed in 1926 and 1938. MSD conducted a condition assessment of the existing combined sewer segments and found some of the pipes to have shape loss, longitudinal cracks at the crown of the sewer, and broken tiles.

Impact to Operating Budget

None

Description and Location

The project includes lining of existing 10-inch, 30-inch and 36-inch combined sewers; coating of deteriorated reinforcing bars within a 48-inch sewer; replacement of an 18-inch sewer with a 24-inch segment; and abandonment of an existing 8-inch sewer segment. The project is located along Berkley, Catalina, and Lane Avenues in the Mill Creek sewershed in the City of Cincinnati's Bond Hill neighborhood, Hamilton County, Ohio.

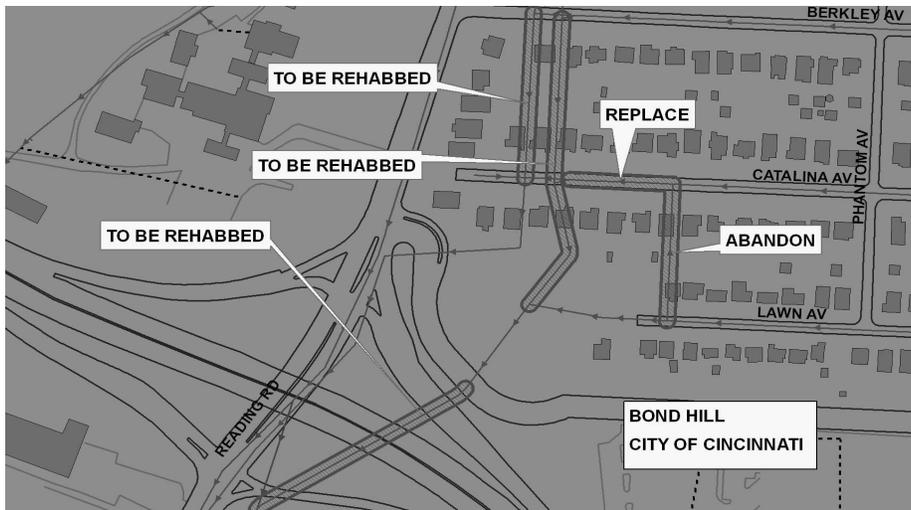
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$84,100	\$85,750	\$0	\$0	\$85,750
Pre-Construction Services	\$16,600	\$16,600	\$0	\$0	\$16,600
Miscellaneous Expense	\$35,900	\$34,250	\$0	\$0	\$34,250
Right-of-Way	\$0	\$15,000	\$0	\$0	\$15,000
Construction	\$553,100	\$0	\$561,300	\$0	\$561,300
Construction Services	\$23,700	\$0	\$22,000	\$0	\$22,000
Interest / Financing	\$3,400	\$0	\$0	\$0	\$0
Total	\$716,800	\$151,600	\$583,300	\$0	\$734,900

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$151,600	\$583,300	\$0	\$0	\$0	\$0	\$734,900

Prior Legislation Action

Jan 2013, Jan 2014, Mar 2014, Aug 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Pleasant Run Central Force Main Repairs		
Project ID	10240435	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6295

Purpose and Justification

The remaining useful life of the deteriorated sections of the force main is estimated by the condition assessment report to be 3.5 years. Because of the short remaining useful life of the two deteriorated sections, this project has been designated as a high priority project that requires expedited delivery. After repairs are completed, these sections will have an estimated life of 80 years. The remaining sections of this force main have an expected life of 24 to 43 years according to the condition assessment report.

The increased costs are associated with by-pass pumping necessary to keep the pump station in service during construction.

Impact to Operating Budget

None

Description and Location

The Force main was installed in 1973. This project will repair these two deteriorated sections of the Pleasant Run Central Force Main, extending the useful life of the asset. This project will construct 750 feet of 24-inch diameter force main and associated temporary facilities. This project is located in Springfield Township and the City of Forest Park, Hamilton County, Ohio

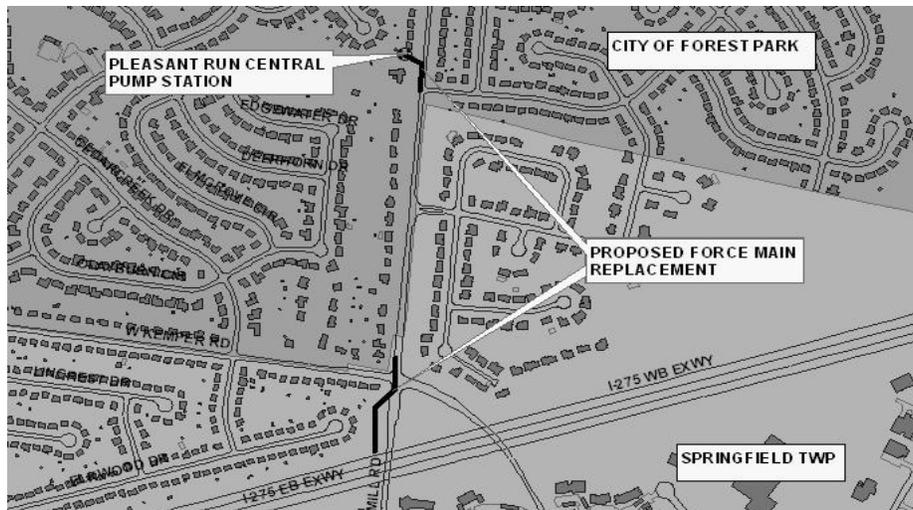
Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$94,300	\$94,300	\$0	\$0	\$94,300
Pre-Construction Services	\$18,900	\$18,900	\$0	\$0	\$18,900
Miscellaneous Expense	\$35,800	\$35,800	\$0	\$0	\$35,800
Right-of-Way	\$27,600	\$27,600	\$0	\$0	\$27,600
Construction	\$630,100	\$0	\$1,035,000	\$0	\$1,035,000
Construction Services	\$37,200	\$0	\$33,000	\$0	\$33,000
Interest / Financing	\$7,500	\$0	\$0	\$0	\$0
Total	\$851,400	\$176,600	\$1,068,000	\$0	\$1,244,600

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$176,600	\$1,068,000	\$0	\$0	\$0	\$0	\$1,244,600

Prior Legislation Action

Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Fairbanks Avenue Sewer Replacement	
Project ID	10240460	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The project will address critical sewer segments that are in poor structural condition. Three of the seven pipe segments are deformed to the point that they cannot be lined. The sewers are also under capacity, surcharging for storms with as little as a 5 month frequency. Construction costs have been escalated from the BCE to anticipated construction start in 2019. This Sewer was constructed in 1928.

Impact to Operating Budget

None

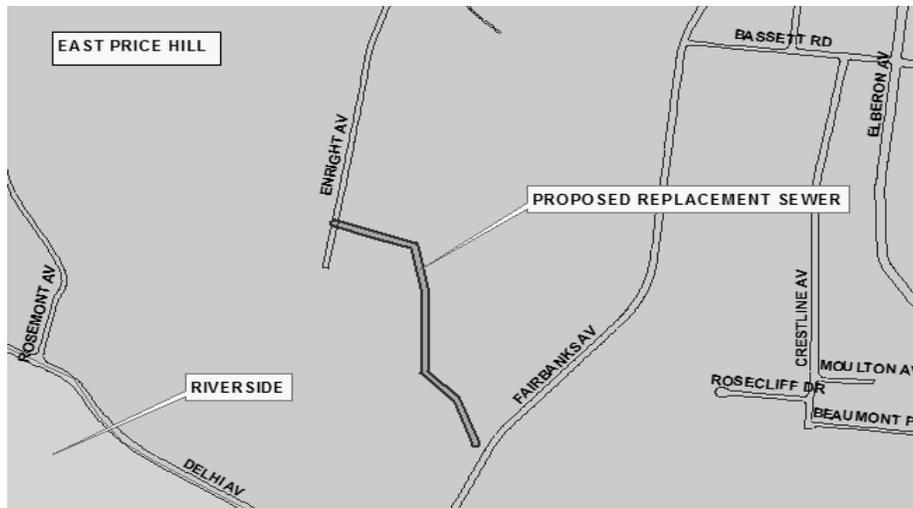
Description and Location

The project will replace, repair, or rehabilitate approximately 1400 feet of 15-inch to 20-inch combined sewer installed in 1928 that have exceeded their anticipated useful life. This project is located in the East Price Hill neighborhood of the City of Cincinnati

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$61,600	\$0	\$74,300	\$0	\$74,300
Pre-Construction Services	\$20,700	\$0	\$24,900	\$0	\$24,900
Miscellaneous Expense	\$41,400	\$0	\$50,900	\$0	\$50,900
Right-of-Way	\$109,700	\$0	\$132,400	\$0	\$132,400
Construction	\$344,400	\$0	\$0	\$422,900	\$422,900
Construction Services	\$29,800	\$0	\$0	\$36,600	\$36,600
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$607,600	\$0	\$282,500	\$459,500	\$742,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$282,500	\$0	\$0	\$459,500	\$0	\$742,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Hosea Street Sewer Replacement	
Project ID	10240465	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The purpose of this project is fix the flat sewer segment along Hosea Street. The segment currently requires excessive repairs and maintenance. In order to change the segment slope, several sewer segments will be required to be replaced resulting in the elimination of SSO 1010 and SSO 1045. This Sewer was constructed between 1907 and 1915.

Impact to Operating Budget

None

Description and Location

This project proposed the replacement and realignment of up to 1100 feet of 8- and 12-inch sanitary sewer in and near Hosea Street. This project is located in the Village of Lockland and the City of Wyoming.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$222,300	\$0	\$237,700	\$0	\$237,700
Pre-Construction Services	\$125,500	\$0	\$70,200	\$0	\$70,200
Miscellaneous Expense	\$84,200	\$0	\$90,000	\$0	\$90,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$2,091,400	\$0	\$0	\$2,091,400	\$2,091,400
Construction Services	\$105,800	\$0	\$0	\$105,800	\$105,800
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$2,629,200	\$0	\$397,900	\$2,197,200	\$2,595,100

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$397,900	\$0	\$2,197,200	\$0	\$0	\$2,595,100

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Wahl Terrace Sewer Replacement	
Project ID	10240495	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The project is to replace deteriorated sewer segments constructed in 1916 and 1917. The existing sewers are buckling and collapsing and are not candidates for lining or rehabilitation. Due to the current structural condition of the sewers, there is a risk of ultimate collapse and the inability to appropriately maintain the sewers that can lead to sewer discharges to the environment and sewer backups (SBU).

Impact to Operating Budget

None

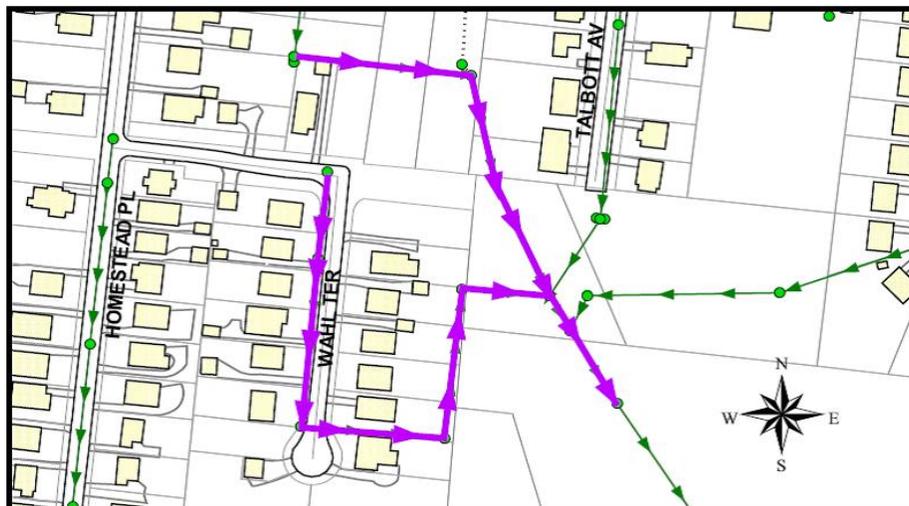
Description and Location

This project entails the replacement and potential upgrade of 2,300 feet of 8 to 18-inch combined sewers. Storm inlets in this area will also be disconnected from the combined system and conveyed in a new storm sewer that ties directly into the Lick Run Valley Conveyance System. The subdivision is located south of Harrison Avenue and just north of the Lick Run Valley Conveyance project. The project is located in the Westwood and South Fairmount neighborhoods of the City of Cincinnati.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$99,400	\$0	\$99,400	\$0	\$99,400
Pre-Construction Services	\$43,000	\$0	\$43,000	\$0	\$43,000
Miscellaneous Expense	\$112,400	\$0	\$112,400	\$0	\$112,400
Right-of-Way	\$323,000	\$0	\$323,000	\$0	\$323,000
Construction	\$729,800	\$0	\$0	\$729,800	\$729,800
Construction Services	\$53,700	\$0	\$0	\$53,700	\$53,700
Interest / Financing	\$9,000	\$0	\$0	\$0	\$0
Total	\$1,370,300	\$0	\$577,800	\$783,500	\$1,361,300

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$783,500	\$0	\$0	\$1,361,300

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Stout Avenue Sewer Improvements		
Project ID	10240535	CIP Number	
CIP Subtype	Separation - Full or Partial	Sewer Number	6337

Purpose and Justification

The purpose of this project is to provide additional sewer capacity to reduce the risk of sewer backups along Stout Avenue and will allow for future separation within CSO 559 sewer shed. The existing sewers were installed at various times using multiple materials with many instances of cracking and fragmentation, especially in the older sewers. Additionally, the sewer was installed at a slope less than the minimum slope required by MSD, and during heavy rains the sewer backs up in to basements. The construction cost increase due to a water main conflict, lateral replacement in the right of way, and by pass pumping requirements.

Impact to Operating Budget

None

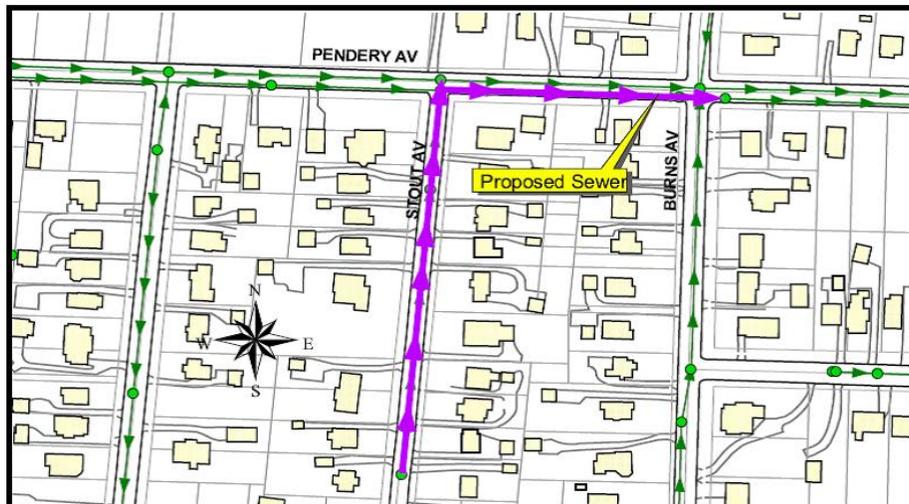
Description and Location

This project will replace 350 feet of 18-inch diameter sewer in Pendery Avenue at a lower elevation, construct 605 feet of new, 12-inch diameter sewer in Stout Avenue. The proposed sewers will outfall to the existing sewers on Pendery Avenue, upstream of CSO 559. The project is located between Springfield Pike (State Route 4) and Burns Avenue on Pendery Avenue and Stout Avenue, in the Mill Creek sewer shed of the Central Basin in the City of Wyoming, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$78,700	\$78,700	\$0	\$0	\$78,700
Pre-Construction Services	\$14,600	\$14,600	\$0	\$0	\$14,600
Miscellaneous Expense	\$40,700	\$40,700	\$0	\$0	\$40,700
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$486,000	\$0	\$679,600	\$0	\$679,600
Construction Services	\$31,100	\$0	\$28,000	\$0	\$28,000
Interest / Financing	\$3,600	\$0	\$0	\$0	\$0
Total	\$654,700	\$134,000	\$707,600	\$0	\$841,600

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$134,000	\$707,600	\$0	\$0	\$0	\$841,600

Prior Legislation Action
Dec 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Central Parkway Sewer Replacement (HN 2402)	
Project ID	10240545	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The existing pipe segments were installed in 1903 and 1907 and are near the end of their useful life. The existing pipe segments are combined sewers, and show fracturing at multiple locations, and have areas of substantial shape loss with some sections of the pipe having fallen in to the sewer.

Impact to Operating Budget

None

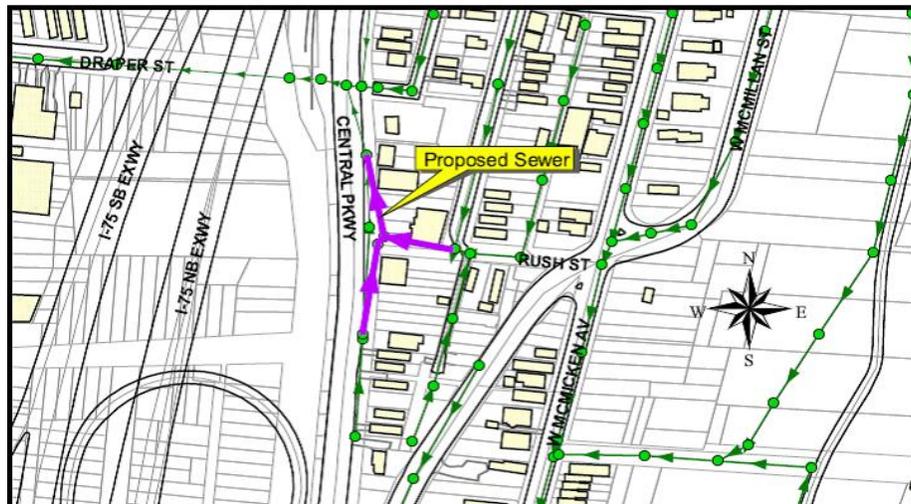
Description and Location

This project will replace two segments of 15-inch diameter sewer running northward from MH 29405056. This project is located in the vicinity of 2402 Central Parkway, just north of the Western Hills Viaduct, in the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$54,900	\$0	\$54,900	\$0	\$54,900
Pre-Construction Services	\$18,100	\$0	\$18,100	\$0	\$18,100
Miscellaneous Expense	\$43,300	\$0	\$43,300	\$0	\$43,300
Right-of-Way	\$12,900	\$0	\$12,900	\$0	\$12,900
Construction	\$302,200	\$0	\$0	\$302,200	\$302,200
Construction Services	\$40,100	\$0	\$0	\$40,100	\$40,100
Interest / Financing	\$3,800	\$0	\$0	\$0	\$0
Total	\$475,300	\$0	\$129,200	\$342,300	\$471,500

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$129,200	\$0	\$0	\$0	\$0	\$129,200

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Schulte Drive Sewer Replacement	
Project ID	10240560	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The purpose of this project is to remove the sewer from under buildings that have been temporarily repaired due to cave-in complaints. Two homes were found to have large voids between the basement floor and the sewer. These segments pose a risk to MSD in their current location and condition. This Sewer was constructed in 1921.

Impact to Operating Budget

None

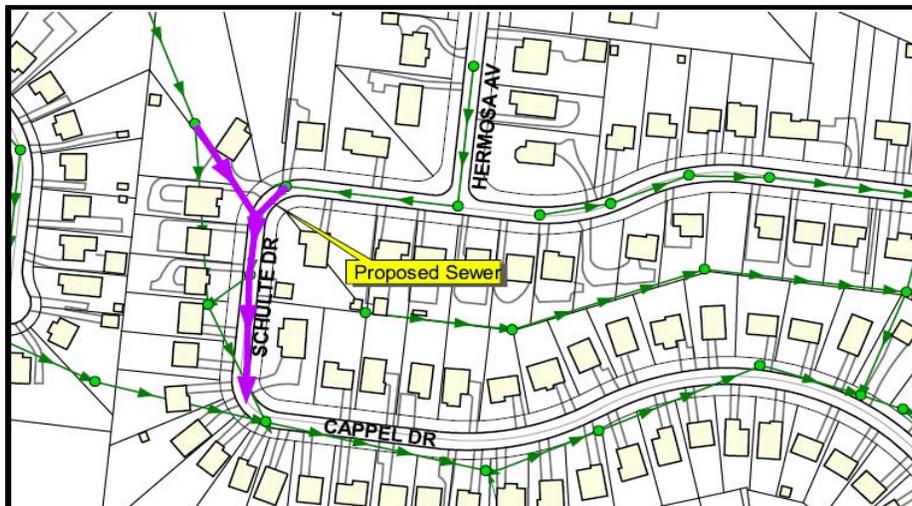
Description and Location

This project will fill, seal, and abandon three failing sewer segments and install 318 linear feet of 30-inch diameter sewer and 53 feet of 12-inch diameter sewer. The new sewer mains will require re-plumbing of three residential services and reconnection of four other services into the new 30-inch main. The sewers are located west of Schulte Drive and north of Cappel Drive in the West Price Hill area of the South Branch Mill Creek, in the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$63,400	\$0	\$63,400	\$0	\$63,400
Pre-Construction Services	\$11,800	\$0	\$11,800	\$0	\$11,800
Miscellaneous Expense	\$40,400	\$0	\$40,400	\$0	\$40,400
Right-of-Way	\$29,500	\$0	\$29,500	\$0	\$29,500
Construction	\$394,000	\$0	\$0	\$394,000	\$394,000
Construction Services	\$15,100	\$0	\$0	\$15,100	\$15,100
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$554,200	\$0	\$145,100	\$409,100	\$554,200

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$145,100	\$0	\$409,100	\$0	\$0	\$554,200

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Overflow Parking lot for MSDGC Engineering and Administration Buildings	
Project ID	10240565	CIP Number
CIP Subtype	Facilities Improvement	Sewer Number

Purpose and Justification

The Parking lot will accommodate 115 spaces for MSD staff and visitors. The design maximizes parking stalls, while minimizing cost per total stalls; includes sustainable LED lighting and reduces the operating maintenance and operating costs of the system; includes green infrastructure elements to achieve the required post-construction stormwater peak flow reduction, therefore reducing stormwater discharge to the existing combined sewer system. Currently, 70% of MSD staff and visitors are using the Kroger parking lot, located south of the WEEC building, or securing public on-street parking. This action will result in MSD abandoning the current Kroger-owned parking lot.

Impact to Operating Budget

None

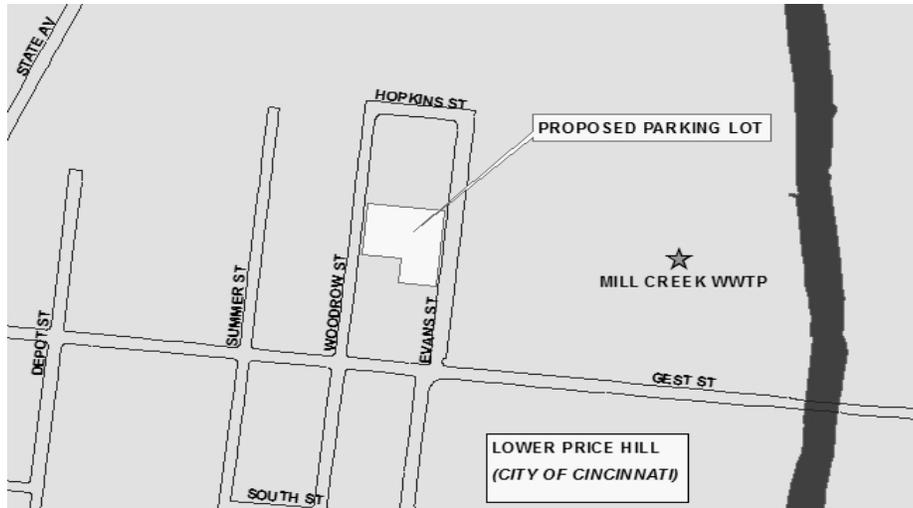
Description and Location

The current request is to fund construction of a supplemental and overflow parking lot serving MSD visitors and workforce at the Gest Street campus of the Mill Creek Wastewater Treatment Plant. MSD has commissioned a parking lot design for a vacant and blighted property owned by the County Commissioners. The parking lot will serve as a supplemental and overflow lot to the main parking lots for the MSD Wastewater Engineering and Education Center (WEEC) at 1035 Woodrow Street and Administration HQ building at 1081 Woodrow Street at the Mill Creek Wastewater Treatment Plant facility, in the City of Cincinnati's Lower Price Hill Neighborhood.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$450,000	\$0	\$450,000	\$0	\$450,000
Construction Services	\$25,000	\$0	\$25,000	\$0	\$25,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$475,000	\$0	\$475,000	\$0	\$475,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$475,000	\$0	\$0	\$0	\$0	\$475,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	MCWWTP Two-Bay Solids Receiving Facility	
Project ID	10240585	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

A 20-year outlook of estimated solids processing capacity and costs at the Mill Creek and Little Miami WWTPs for supporting the handling and disposal of solids generated within, and potentially outside of, MSDGC shows a potential yearly cost savings of between \$0.5 and \$1 million dollars over the 20 year period for the decommissioning the Little Miami WWTP incinerator and directing all MSDGC and non-MSDGC regional solids to Mill Creek incinerators. This project is needed to ensure adequate facilities to receive of all MSDGC solids at Mill Creek WWTP.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

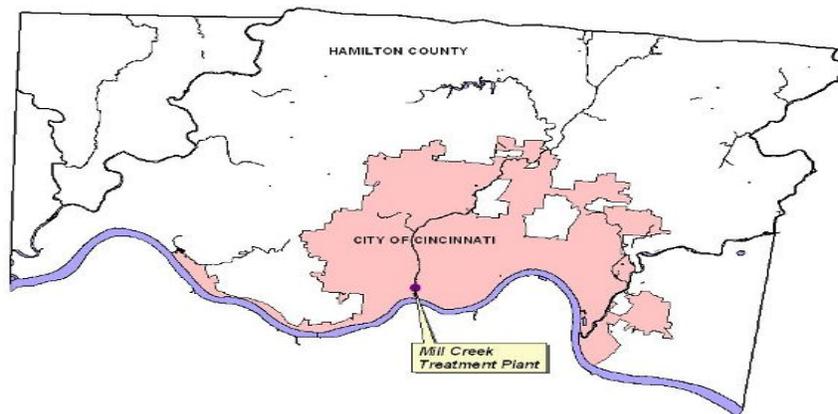
This project consists of a new biosolids receiving facility at the Mill Creek WWTP and includes building, receiving silos, cake sludge pumping, pipelines, odor control and other necessary appurtenances. The Project is located at the Mill Creek Wastewater Treatment Plant facility, in the City of Cincinnati's Lower Price Hill Neighborhood.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$758,000	\$0	\$758,000	\$0	\$758,000
Pre-Construction Services	\$210,000	\$0	\$210,000	\$0	\$210,000
Miscellaneous Expense	\$40,100	\$0	\$40,100	\$0	\$40,100
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$10,463,000	\$0	\$0	\$10,463,000	\$10,463,000
Construction Services	\$942,000	\$0	\$0	\$942,000	\$942,000
Interest / Financing	\$394,000	\$0	\$0	\$394,000	\$394,000
Total	\$12,807,100	\$0	\$1,008,100	\$11,799,000	\$12,807,100

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$1,008,100	\$0	\$11,799,000	\$0	\$0	\$12,807,100

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	MCWWTP Main Substation Improvements	
Project ID	10240590	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

To ensure long term reliability of high and medium voltage electrical assets the assets were assessed and evaluated. Needed upgrades to the high and medium voltage electrical distribution system at MCWWTP were identified and prioritized. This equipment was identified as the first priority level based on the Maximo criticality rating for the main distribution transformers of 5700, which is the highest criticality value within the rating system.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

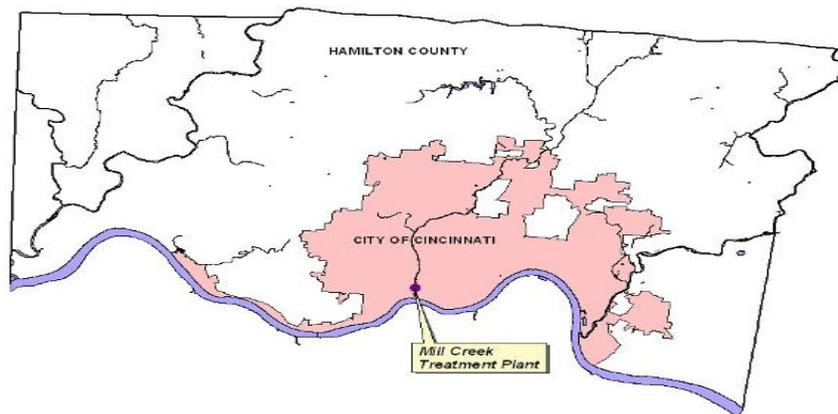
Description and Location

This project will provide improvements for the main substation transformers and power bus and switches. The Project is located at the Mill Creek Wastewater Treatment Plant facility, in the City of Cincinnati's Lower Price Hill Neighborhood.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$168,000	\$0	\$168,000	\$0	\$168,000
Design	\$244,000	\$0	\$244,000	\$0	\$244,000
Pre-Construction Services	\$45,000	\$0	\$45,000	\$0	\$45,000
Miscellaneous Expense	\$39,700	\$0	\$39,700	\$0	\$39,700
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$2,222,000	\$0	\$0	\$2,222,000	\$2,222,000
Construction Services	\$200,000	\$0	\$0	\$200,000	\$200,000
Interest / Financing	\$70,000	\$0	\$0	\$70,000	\$70,000
Total	\$2,988,700	\$0	\$496,700	\$2,492,000	\$2,988,700

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$496,700	\$0	\$2,492,000	\$0	\$0
						\$2,988,700

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	MCWWTP Power Bldg Medium Voltage Switchgear	
Project ID	10240595	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

To ensure long term reliability of high and medium voltage electrical assets the assets were assessed and evaluated. Needed upgrades to the high and medium voltage electrical distribution system at MCWWTP were identified and prioritized. This equipment was identified as the second priority.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

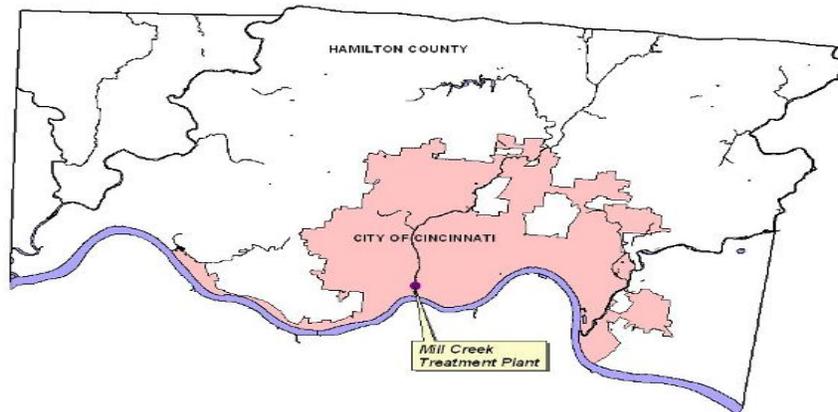
This project will replace and relocate the switchgear facility near the intersection of Tunnel T6 and T7 just north of the new dewatering sludge feedwell building. The Project is located at the Mill Creek Wastewater Treatment Plant facility, in the City of Cincinnati's Lower Price Hill Neighborhood.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$52,000	\$0	\$52,000	\$0	\$52,000
Design	\$62,000	\$0	\$62,000	\$0	\$62,000
Pre-Construction Services	\$7,000	\$0	\$7,000	\$0	\$7,000
Miscellaneous Expense	\$27,400	\$0	\$27,400	\$0	\$27,400
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$338,000	\$0	\$338,000	\$0	\$338,000
Construction Services	\$31,000	\$0	\$31,000	\$0	\$31,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$517,400	\$0	\$517,400	\$0	\$517,400

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$517,400	\$0	\$0	\$0	\$0	\$517,400

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	WWC Maintenance Shop Improvements	
Project ID	10240645	CIP Number
CIP Subtype	Facilities Improvement	Sewer Number

Purpose and Justification

The Maintenance Shop roof is leaking in several places and is in urgent need of a long term solution. An air conditioning unit would be ideal to achieve a more stable and humid free environment for materials and personnel in hot weather conditions.

Impact to Operating Budget

Description and Location

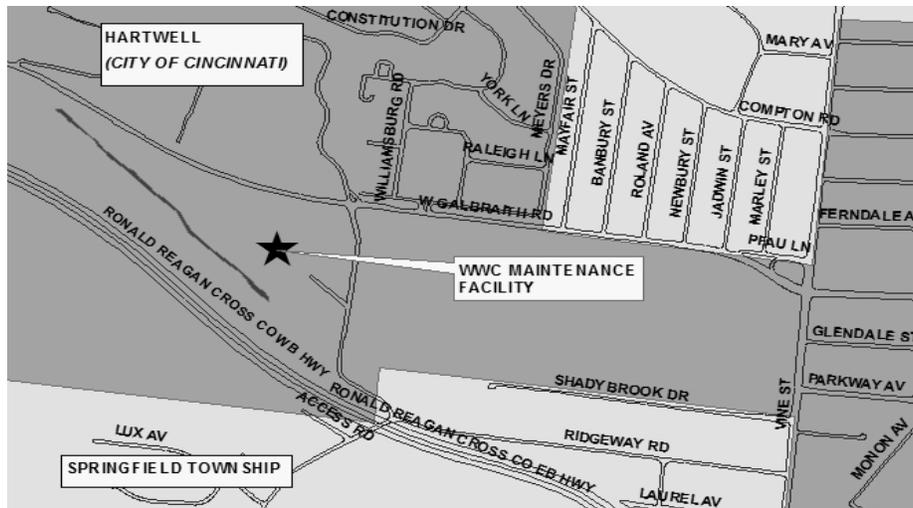
The purposes of the WWC Maintenance Shop Improvements are to provide additional office and shop space for current and future staffing levels. This added space will also provide an area for maintenance personnel to access a computerized maintenance management system for improved asset management.

The Location is in the Hartwell community of the City of Cincinnati.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$115,850	\$0	\$115,850
Pre-Construction Services	\$0	\$0	\$14,500	\$0	\$14,500
Miscellaneous Expense	\$0	\$0	\$14,500	\$0	\$14,500
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$965,390	\$965,390
Construction Services	\$0	\$0	\$0	\$53,100	\$53,100
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$144,850	\$1,018,490	\$1,163,340

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$144,850	\$1,018,490	\$0	\$0	\$1,163,340

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	WWC Storeroom Driveway Flood Protection	
Project ID	10240646	CIP Number
CIP Subtype	Facilities Improvement	Sewer Number

Purpose and Justification

The purpose of the project is to provide wet weather protection for the WWC Storeroom loading dock and adjacent storeroom inventory from water damage. The current system is not adequate and a temporary supplemental pump has been necessary to remove several feet of storm water from the dock and storeroom area. This has caused additional maintenance, clean up, and inventory loss. This can also have potential long term damage to the facility.

Impact to Operating Budget

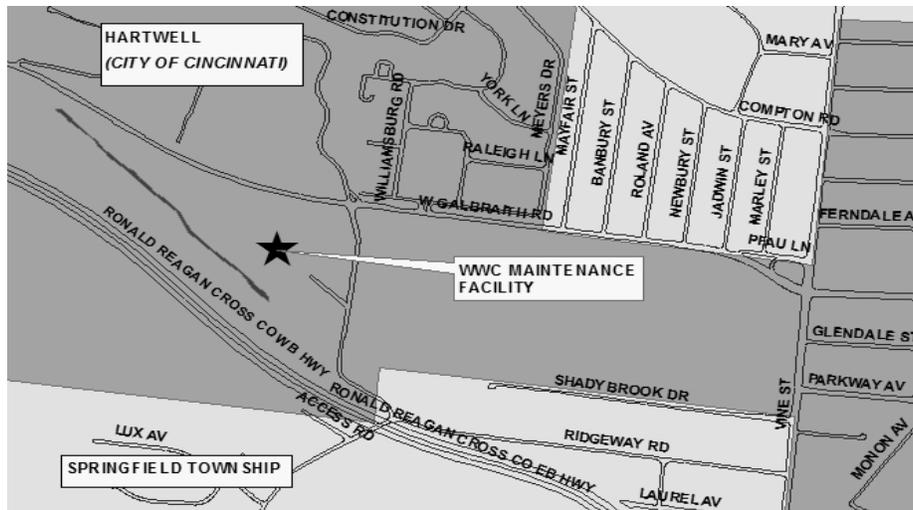
Description and Location

The project will evaluate alternatives to provide wet weather protection to the WWC Storeroom. The Location is in the Hartwell community of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$150,000	\$0	\$150,000
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$550,000	\$0	\$0	\$550,000	\$550,000
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$550,000	\$0	\$150,000	\$550,000	\$700,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$550,000	\$0	\$0	\$0	\$700,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	SSO 700 Facility Improvements	
Project ID	10241820	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

This project provides improvements for the SSO 700 Storage & Treatment Facility. MSDGC commissioned the SSO 700 in 2006 to mitigate the impacts of sanitary sewer overflows in the upper reaches of the Mill Creek watershed. This project addresses facility reliability and safety concerns. The project includes construction of an additional storage tank to attenuate peak flows, store solids when the downstream interceptor is full, and protect the existing interceptor from heavy surcharging upstream of the SSO 700 facility. Safety improvements are needed to address operational issues with the HVAC, valves, electrical, and instrumentation and controls systems.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

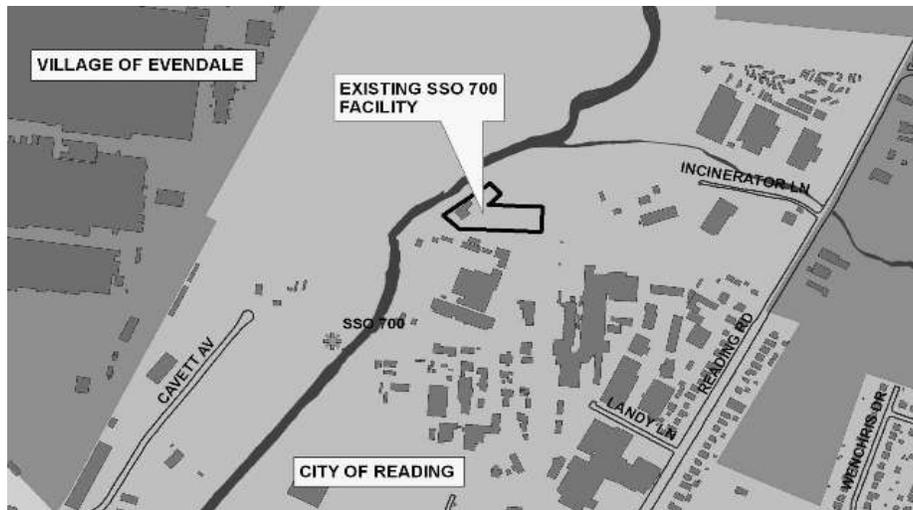
Description and Location

This project consists of the installation of sluice gates, bulk storage tank, sludge storage tank with force main piping and other yard piping upgrades, influent valve and drain valve vault, control panel room in the UV area, HVAC upgrades to existing CEHRS UV building, NPW break tank, NPW booster station, addition of NPW to various systems, instrument and control system improvements, electrical system improvements, upgrades to existing flush gate system, and other various system and site upgrades. This project is located at 420 Cavett Drive Street in the City of Reading, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$221,000	\$221,000	\$0	\$0	\$221,000
Miscellaneous Expense	\$100,000	\$100,000	\$0	\$0	\$100,000
Right-of-Way	\$50,000	\$50,000	\$0	\$0	\$50,000
Construction	\$7,380,200	\$0	\$7,380,200	\$0	\$7,380,200
Construction Services	\$664,300	\$0	\$664,300	\$0	\$664,300
Interest / Financing	\$465,000	\$0	\$465,000	\$0	\$465,000
Total	\$8,880,500	\$371,000	\$8,509,500	\$0	\$8,880,500

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$371,000	\$0	\$0	\$0	\$0	\$8,880,500

Prior Legislation Action
Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Polk Run UV System/Post Aeration Improvements	
Project ID	10250030	CIP Number
CIP Subtype	Treatment Plant Project	Sewer Number

Purpose and Justification

These projects are needed to maintain compliance with NPDES permit requirements. The existing Ultraviolet Disinfection equipment was designed to meet fecal coliform requirements. Greater disinfection energy is required to meet the current more stringent E. coli permit requirements. The existing UV disinfection process also lacks redundancy required by 10 States Standards and needed to ensure compliance. When the plant effluent channel backs up due to high receiving stream conditions, the drop over the effluent weir plate is eliminated and Dissolved Oxygen NPDES permit violations occur. Post-aeration is required.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

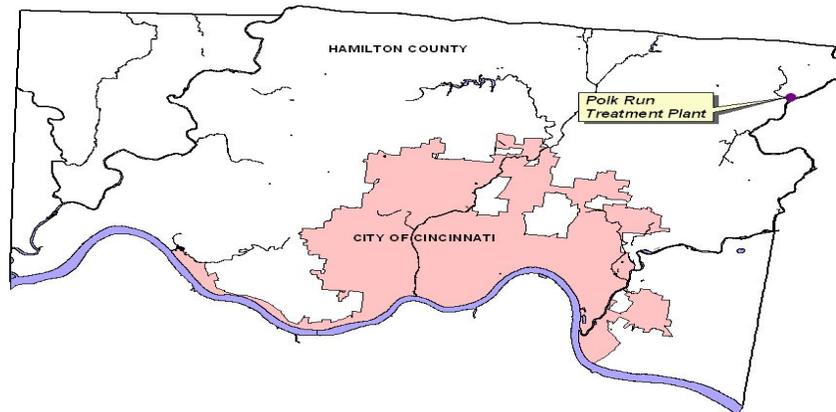
Description and Location

This project consists of relocation of the existing UV equipment, the addition of new UV equipment, two parallel disinfection channels, protective covering and other appurtenances. This project is located in Symmes Township, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$172,000	\$0	\$172,000	\$0	\$172,000
Pre-Construction Services	\$28,000	\$0	\$28,000	\$0	\$28,000
Miscellaneous Expense	\$25,000	\$0	\$25,000	\$0	\$25,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$1,385,000	\$0	\$0	\$1,385,000	\$1,385,000
Construction Services	\$125,000	\$0	\$0	\$125,000	\$125,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$1,735,000	\$0	\$225,000	\$1,510,000	\$1,735,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$225,000	\$1,510,000	\$0	\$0	\$1,735,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Polk Run Non-Potable Water Upgrades		
Project ID	10250035	CIP Number	
CIP Subtype	Treatment Plant Project	Sewer Number	

Purpose and Justification

The existing "City" water system is not separated for plant use and domestic use and does not have a system to prevent potential backflow from the wastewater treatment processes to the potable water system. The Great Lakes-Upper Mississippi River Board (GLUMRB) 10 States Standards requires that where a potable water supply is to be used for any purpose in a plant other than domestic use (lavatory, sink, shower, drinking fountain, etc.) a break tank, pressure pump, and pressure tank shall be provided.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

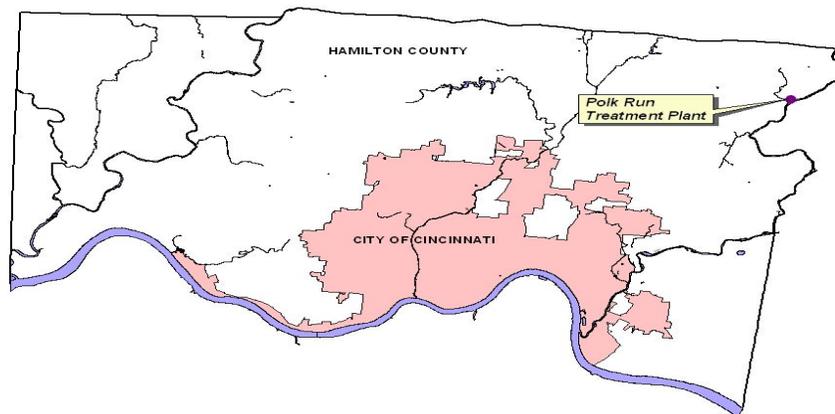
Description and Location

This project consists of a new Non-Potable Water pump station located adjacent to the UV channels utilizing treated effluent for uses other than domestic. This project is located in Symmes Township, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$47,000	\$0	\$47,000	\$0	\$47,000
Pre-Construction Services	\$5,000	\$0	\$5,000	\$0	\$5,000
Miscellaneous Expense	\$50,000	\$0	\$50,000	\$0	\$50,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$231,000	\$0	\$0	\$231,000	\$231,000
Construction Services	\$24,000	\$0	\$0	\$24,000	\$24,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$357,000	\$0	\$102,000	\$255,000	\$357,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$255,000	\$0	\$0	\$0	\$357,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Dry Run Area Sewers Phase 2 Contract RB		
Project ID	10270007	CIP Number	
CIP Subtype	Sewer Extension	Sewer Number	6354

Purpose and Justification

The Dry Run Area Sewers are MSD's long range master plan to provide trunk sewers to areas in the Village of Newtown, Anderson Township, and other nearby areas that currently do not have sewers. Contract Round Bottom is one of a series of contracts required to complete the Dry Run Area Sewers. Contract A was constructed first and provides connection to the existing interceptor sewer that conveys sewage to the Little Miami Wastewater Treatment Plant. Contract RB provides the trunk sewer from the terminus of Contract A to areas north and east.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

Description and Location

The project consists of constructing approximately 5,968 linear feet of 42-inch sanitary sewer, along with manholes and other appurtenances. The project is entirely along Roundbottom Road, starting at a point approximately 1,150 feet northeast of the intersection of Roundbottom and Edwards Roads at the terminus of Contract A and ending at point approximately 970 feet northeast of the intersection with Broadwell Road. The project is located in Anderson Township, Hamilton County, Ohio.

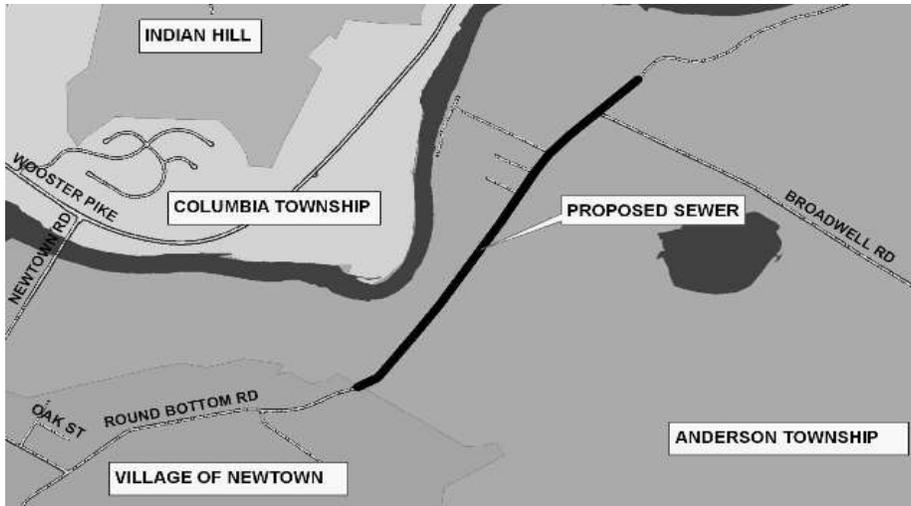
PDE was accomplished under 10270005.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$6,677,000	\$0	\$6,677,000	\$0	\$6,677,000
Construction Services	\$170,100	\$0	\$170,100	\$0	\$170,100
Interest / Financing	\$334,000	\$0	\$334,000	\$0	\$334,000
Total	\$7,181,100	\$0	\$7,181,100	\$0	\$7,181,100

Projected Legislation Dates

Prior Legislation	2015	2016	2017	2018	2019	Project Total
\$0	\$7,181,100	\$0	\$0	\$0	\$0	\$7,181,100

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Cath Calvary Cemetery Sewer Replacement		
Project ID	10270120	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6208

Purpose and Justification

The purpose of the project is to rehabilitate a deteriorated sewer which traverses a cemetery. It cannot be replaced using open cut methods because it runs under graves nor relined using pipe bursting due to potential ground heaving. The method chosen will provide a structural rehabilitation with minimal surface disturbance. This Sewer was constructed in 1980.

Impact to Operating Budget

None

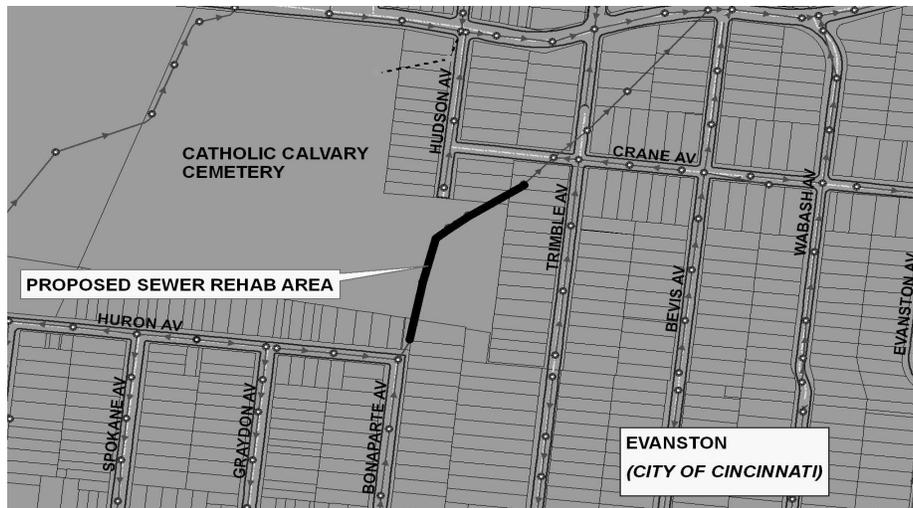
Description and Location

The project will reline 642 feet of 24-inch diameter combined sewer. The project starts at 1886 Huron Avenue and ends at 3443 Trimble Ave, traversing the Calvary Catholic Cemetery. This project is located in the Evanston neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$21,800	\$21,800	\$0	\$0	\$21,800
Pre-Construction Services	\$8,700	\$8,700	\$0	\$0	\$8,700
Miscellaneous Expense	\$1,200	\$1,200	\$0	\$0	\$1,200
Right-of-Way	\$57,900	\$57,900	\$0	\$0	\$57,900
Construction	\$145,700	\$0	\$153,100	\$0	\$153,100
Construction Services	\$12,000	\$0	\$15,600	\$0	\$15,600
Interest / Financing	\$600	\$0	\$0	\$0	\$0
Total	\$247,900	\$89,600	\$168,700	\$0	\$258,300

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$168,700	\$0	\$0	\$0	\$0	\$258,300
	\$89,600					

Prior Legislation Action
Dec 2011



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Grove Avenue Sewer Replacement		
Project ID	10270140	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6291

Purpose and Justification

The purpose of the project is to replace approximately 315 linear feet of a deteriorated sanitary sewer segment with new 8-inch diameter conduit. The existing sewer segment is in poor condition and is not a candidate for lining. Current conditions of the sewer segment have resulted in cave-ins. The pipe is believed to have been installed in the early 1900's and is beyond its useful life.

Impact to Operating Budget

None

Description and Location

The project includes the removal and installation of 315 linear feet of 8-inch diameter sanitary sewer. Thirteen homes will be reconnected to the new 8-inch sewer main. The project is located in the Little Miami Sewer Shed in the Duck Creek drainage basin in the City of Norwood, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$38,300	\$38,300	\$0	\$0	\$38,300
Pre-Construction Services	\$5,400	\$5,400	\$0	\$0	\$5,400
Miscellaneous Expense	\$33,200	\$33,200	\$0	\$0	\$33,200
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$179,200	\$0	\$179,200	\$0	\$179,200
Construction Services	\$31,800	\$0	\$31,800	\$0	\$31,800
Interest / Financing	\$1,600	\$0	\$0	\$0	\$0
Total	\$289,500	\$76,900	\$211,000	\$0	\$287,900

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$76,900	\$211,000	\$0	\$0	\$0	\$287,900

Prior Legislation Action
Jan 2013



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Columbia Parkway at Delta Sewer Replacement		
Project ID	10270145	CIP Number	
CIP Subtype	Sewer Replacement	Sewer Number	6419

Purpose and Justification

The existing pipe was installed approximately 100 years ago and is currently experiencing various levels of deformation and four quarter cracking and the sewer segments have been identified as surcharging as frequently as for a 6 month storm. Modeling of the area indicated that overflows occur for as little as a 2 year storm.

Impact to Operating Budget

None

Description and Location

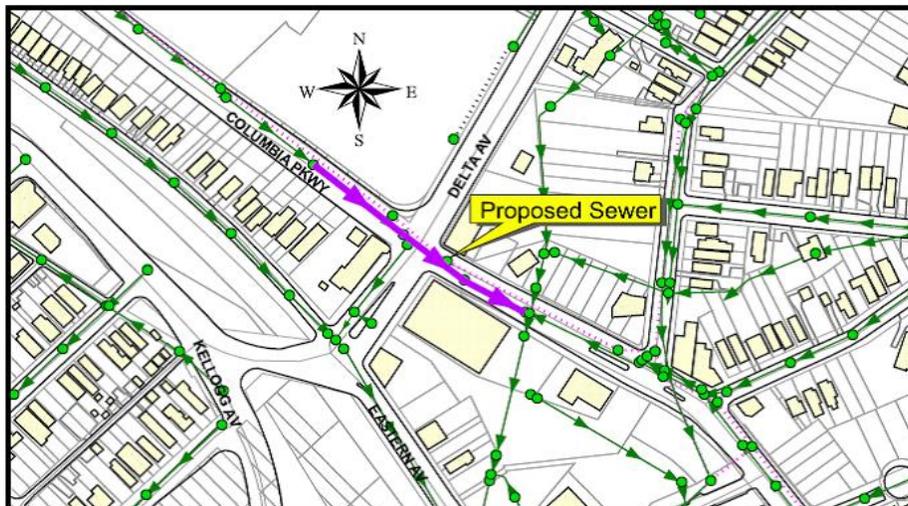
This project will replace 342 feet of existing 12-inch and 140 feet of existing 15-inch sewer between MH 40906039-40905036 with 24-Inch sewer, in the existing approxiamte alignment. This project is located in Columbia Tusculum at the intersection of Columbia Parkway and Delta Avenue, in the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$52,800	\$52,800	\$0	\$0	\$52,800
Pre-Construction Services	\$8,300	\$8,300	\$0	\$0	\$8,300
Miscellaneous Expense	\$35,400	\$35,400	\$0	\$0	\$35,400
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$276,400	\$0	\$276,400	\$0	\$276,400
Construction Services	\$22,600	\$0	\$22,600	\$0	\$22,600
Interest / Financing	\$5,000	\$0	\$0	\$0	\$0
Total	\$400,500	\$96,500	\$299,000	\$0	\$395,500

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$299,000	\$0	\$0	\$0	\$0	\$395,500
	\$96,500					

Prior Legislation Action

Jan 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Paxton Avenue Sewer Rehabilitation	
Project ID	10270155	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

The existing conduit from MH 42506011 to MH 42511049 was installed in 1930s. A length of 336 linear feet of mostly 84-inch diameter reinforced concrete pipe has extensive deterioration throughout. Pavement directly above the deteriorated conduit is used for vehicle parking. Vehicle loading will lead to failure sooner than would otherwise be expected. Failure of the conduit may damage foundations of adjacent homes.

Impact to Operating Budget

None

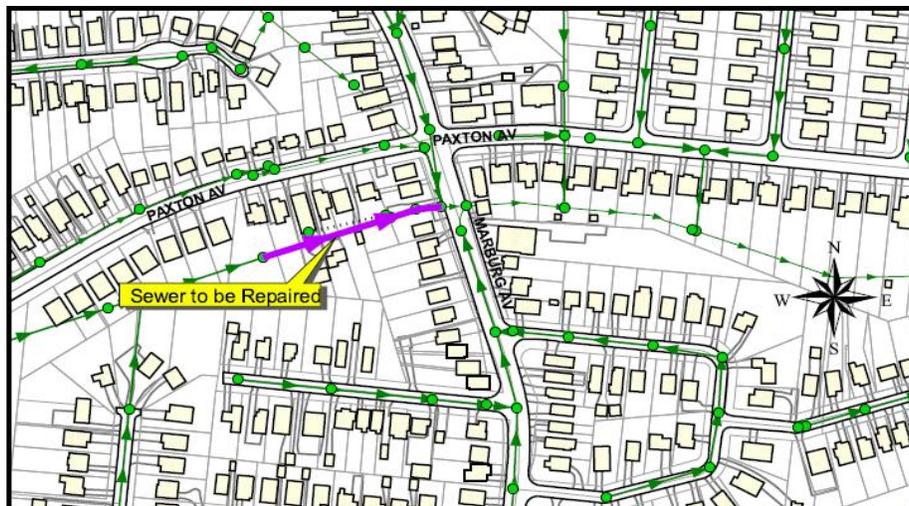
Description and Location

This project is to rehabilitate 374 feet of existing 84-inch diameter arch pipe and 18 feet of existing 84-inch x 108-inch rectangular pipe (4 segments from MH# 42506011 downstream to MH# 42511050) with a spiral wound liner. This project is located in the Oakley neighborhood, in the Duck Creek watershed., In the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$176,100	\$0	\$176,100	\$0	\$176,100
Pre-Construction Services	\$93,200	\$0	\$93,200	\$0	\$93,200
Miscellaneous Expense	\$43,300	\$0	\$43,300	\$0	\$43,300
Right-of-Way	\$20,000	\$0	\$20,000	\$0	\$20,000
Construction	\$1,552,700	\$0	\$0	\$1,552,700	\$1,552,700
Construction Services	\$181,500	\$0	\$0	\$181,500	\$181,500
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$2,066,800	\$0	\$332,600	\$1,734,200	\$2,066,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$332,600	\$0	\$0	\$0	\$0	\$332,600

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	CSO 83 and 472 Dynamic Underflow Control	
Project ID	10270170	CIP Number
CIP Subtype	Facilities Improvement	Sewer Number

Purpose and Justification

This project will provide a cost effective strategy to reduce combined sewer overflows through operational controls. Additionally, this project will provide information to be used to support MSD's needs to collect data to comply with Federal Consent Decree, a desire to demonstrate water quality management at the lowest cost to taxpayers, and a goal to be on the forefront of water management practices.

Impact to Operating Budget

MSD utilizes 0.75% of the construction budget to estimate annual operating costs for future revenue requirement projections. This impact is considered to begin two years after construction legislation.

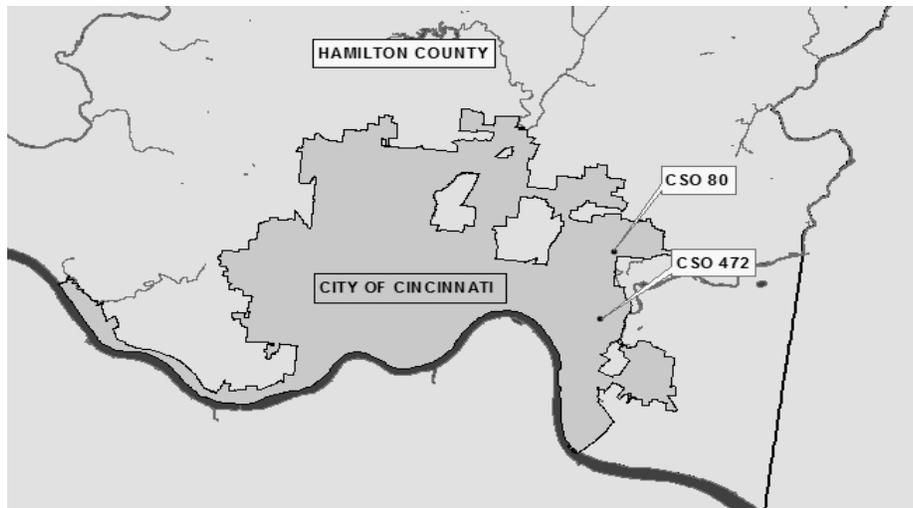
Description and Location

The project consists of modifications to CSO 83 and CSO 472 that will provide for an automated control of flow into the interceptor sewer. The proposed improvements consist of replacement of the underflow pipe, replacement of the regulator, addition of level sensors, and telemetry equipment. The project is located in the Little Miami basin in Linwood and Madisonville neighborhoods of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$263,000	\$0	\$263,000	\$0	\$263,000
Pre-Construction Services	\$72,000	\$0	\$72,000	\$0	\$72,000
Miscellaneous Expense	\$65,000	\$0	\$65,000	\$0	\$65,000
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$2,377,310	\$0	\$0	\$2,377,310	\$2,377,310
Construction Services	\$58,500	\$0	\$0	\$58,500	\$58,500
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$2,835,810	\$0	\$400,000	\$2,435,810	\$2,835,810

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$400,000	\$0	\$0	\$2,435,810	\$0	\$2,835,810

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	East Hill Ave Sewer Replacement	
Project ID	10270175	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

This project will replace a badly deteriorated sewer segment and correct a serious hydraulic issue for the sewer on East Hill Avenue. The sewer was installed around 1915 based on age of other sewers in the area. A secondary benefit to this project, but not the driving force of the project, is that it removes a sewer from under three residences and replaces this sewer in the public right of way, allowing for much easier maintenance in the future and reducing MSD's risk from potential property damages.

Impact to Operating Budget

None

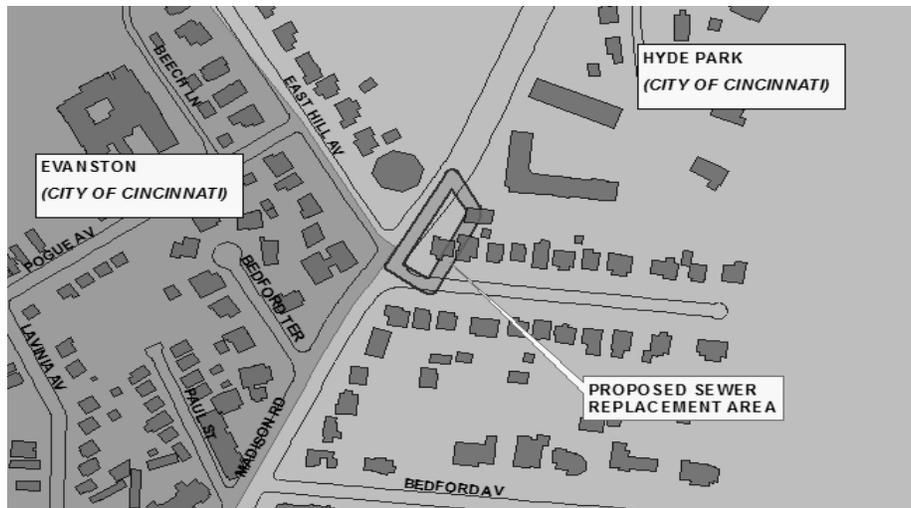
Description and Location

This project will install approximately 340 feet of new 30-inch sewer and approximately 110 feet of new 18-inch sewer to replace and relocate a badly deteriorated 24-inch sewer that cannot be lined and is beyond its useful life. The new sewer will be placed in the public right of way and the existing sewer running underneath the 3 residences will be abandoned. This project is located in the Hyde Park neighborhood of the City of Cincinnati.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$177,100	\$0	\$177,100	\$0	\$177,100
Pre-Construction Services	\$42,500	\$0	\$42,500	\$0	\$42,500
Miscellaneous Expense	\$43,500	\$0	\$43,500	\$0	\$43,500
Right-of-Way	\$16,600	\$0	\$16,600	\$0	\$16,600
Construction	\$1,416,800	\$0	\$0	\$1,416,800	\$1,416,800
Construction Services	\$48,700	\$0	\$0	\$48,700	\$48,700
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$1,745,200	\$0	\$279,700	\$1,465,500	\$1,745,200

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$279,700	\$0	\$1,465,500	\$0	\$0	\$1,745,200

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	Stanley Ave Lateral Relocations	
Project ID	10270176	CIP Number
CIP Subtype	Sewer Replacement	Sewer Number

Purpose and Justification

This project will address and increased hydraulic gradeline due to the Eastern and Delta Phase 3 project. To ensure that the Eastern and Delta projects meets the WWIP objective of 123.4 MG of planned remaining overflow, the proposed elevation of the weir is to be raised. From this increased elevation the System Wide Model indicated and increase in the potential for a sewer back up during a 10-year storm event. This project will address the increased risk of sewage back ups at the affected properties by relocating the service laterals to a different trunk sewer.

Impact to Operating Budget

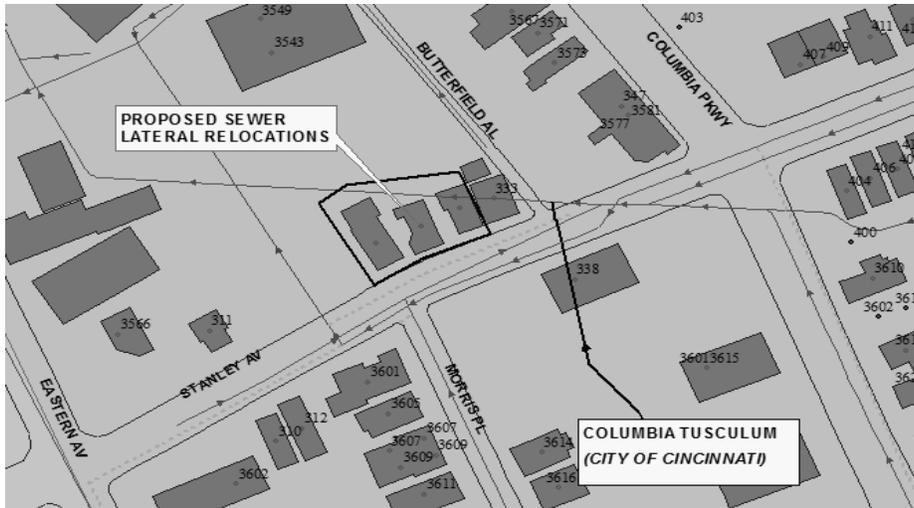
Description and Location

This project consists of approximately 300 lf of sanitary piping. The proposed improvements are located in the Right of Way of Stanley Avenue and Butterfield Alley, in the Columbia Tusculum neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$37,400	\$37,400	\$0	\$0	\$37,400
Pre-Construction Services	\$5,200	\$5,200	\$0	\$0	\$5,200
Miscellaneous Expense	\$34,400	\$34,400	\$0	\$0	\$34,400
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$171,800	\$0	\$171,800	\$0	\$171,800
Construction Services	\$13,000	\$0	\$13,000	\$0	\$13,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$261,800	\$77,000	\$184,800	\$0	\$261,800

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$77,000	\$184,800	\$0	\$0	\$0	\$261,800

Prior Legislation Action
Aug 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	CIP Project Planning	
Project ID	10280124	CIP Number
CIP Subtype	Studies	Sewer Number

Purpose and Justification This project will provide capital funding to support planning CIP projects.	Impact to Operating Budget None
	Description and Location This project provides appropriated funds necessary for the resources necessary for the planning of capital projects for advancement to the design phase.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$15,500,000	\$8,126,964	\$2,500,000	\$10,000,000	\$20,626,964
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$800,000	\$800,000	\$0	\$0	\$800,000
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$16,300,000	\$8,926,964	\$2,500,000	\$10,000,000	\$21,426,964

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$21,426,964
	\$8,926,964					

Prior Legislation Action
 Dec 2010, Dec 2011, Jan 2013, Sep 2013, Jan 2014, May 2014



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	WWT System Asset Renewal 2015	
Project ID	10280185	CIP Number
CIP Subtype	Allowance Project	Sewer Number

Purpose and Justification

This project will allow MSDGC to replace entire assets or portions of assets within the treatment facilities that are currently unable, or anticipated to be unable to meet their defined levels of service. This project is necessary to cost-effectively extend asset life while protecting and preserving public health and the environment.

Impact to Operating Budget

None

Description and Location

This project provides appropriated funds to replace improve wastewater treatment facility assets throughout the District using standardized condition assessment and reliability tools and methodologies. Defective assets, or portions of assets, will be discovered throughout the year either through preventive maintenance and the above mentioned condition assessment activities or after a failure.

Prior legislation was funded for the WWT System Asset Renewal Program under various Project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$4,500,000	\$0	\$4,500,000	\$0	\$4,500,000
Construction Services	\$500,000	\$0	\$500,000	\$0	\$500,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$5,000,000	\$0	\$5,000,000	\$0	\$5,000,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Hydraulic Modeling 2015		
Project ID	10280235	CIP Number	
CIP Subtype	Studies	Sewer Number	

Purpose and Justification

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Impact to Operating Budget

None

Description and Location

Sewer modeling is used to assist in the planning and design process and is required as part of the Global Consent Decree and MSD's CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Work completed for specific projects will be charged to project IDs. This allowance will be used to incorporate project specific model changes into the System-Wide Model for each of MSD's seven sewersheds.

Prior legislation was funded for the Hydraulic Model Program under various Project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$1,500,000	\$0	\$1,500,000	\$0	\$1,500,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$1,500,000	\$0	\$1,500,000	\$0	\$1,500,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$1,500,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Emergency Sewer Repairs 2015		
Project ID	10280315	CIP Number	
CIP Subtype	Emergency Sewer Repair	Sewer Number	

Purpose and Justification

This project will allow MSDGC to quickly respond to sudden, unexpected sewer system failures which may threaten the public health, welfare, or safety. Conditions that warrant emergency sewer repairs include cave-ins, structurally failed sewers, manholes or building sewers, sewer backups into private property, sewer overflows that may violate permits and regulations, and imminent danger to structures or real property.

Impact to Operating Budget

None

Description and Location

Emergency sewer system repairs are completed throughout the entire District using competitively bid as-needed sewer repair contracts. This project allows MSD to quickly and efficiently restore and maintain interrupted service while mitigating the risk of additional damages or losses.

Prior legislation was funded for the Emergency Sewer Program under various Project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$8,250,000	\$0	\$8,250,000	\$0	\$8,250,000
Construction Services	\$250,000	\$0	\$250,000	\$0	\$250,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$8,500,000	\$0	\$8,500,000	\$0	\$8,500,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$8,500,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati	
Project Title	System-Wide Sensor Installation	
Project ID	10280340	CIP Number
CIP Subtype	Studies	Sewer Number

Purpose and Justification

The objective of the project is to advance the use of control structures throughout the wastewater system in order to maximize the storage and conveyance capacity of the collection system. This is dependent on the availability of real-time level data from many locations throughout the system. This enables a series of optimal control strategies to be used depending on how the system is responding to known upstream and downstream conditions that change during wet weather events.

Impact to Operating Budget

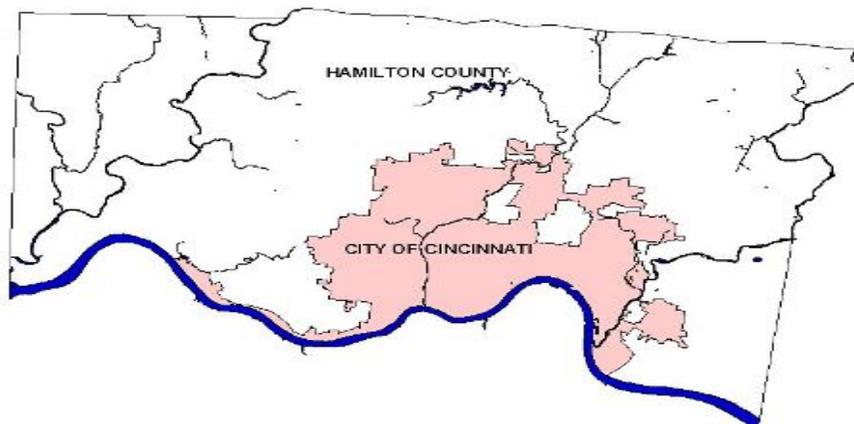
Description and Location

System-wide information provides the capability to operate multiple control structures in unison and with a comprehensive control strategy, rather than individually. Because of the high variability of rainfall which creates infinite variations in collection system performance, the combined operation of multiple control structures can at times produce optimal results.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$750,000	\$0	\$750,000	\$0	\$750,000
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$750,000	\$0	\$750,000	\$0	\$750,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$750,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	High Risk Asset Renewal 2015		
Project ID	10280515	CIP Number	
CIP Subtype	Allowance Project	Sewer Number	

Purpose and Justification

This project will allow MSDGC to replace entire high risk assets or portions of system assets that are currently unable, or anticipated to be unable to meet their defined level of service. This project is necessary to cost effectively extend asset life while protecting and preserving public health and the environment.

Impact to Operating Budget

None

Description and Location

This project utilizes the output of a risk rubric to prioritize non-emergency replacements of critical sewer lines. MSDGC evaluates assets throughout the entire District using standardized condition assessment tools and methodologies. Defective assets, or defective portions of assets that may impair the system's ability to meet defined levels of service are identified, prioritized based upon comprehensive risk, and renewed using the most cost effective methodology to extend the asset's useful life.

Prior legislation was funded for the WWC High Risk Asset Renewal Program under various Project IDs.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$4,000,000	\$0	\$4,000,000	\$0	\$4,000,000
Construction Services	\$500,000	\$0	\$500,000	\$0	\$500,000
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$4,500,000	\$0	\$4,500,000	\$0	\$4,500,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$0
	\$4,500,000	\$0	\$0	\$0	\$0	\$4,500,000

Prior Legislation Action



2015 Capital Budget and Capital Improvement Program

Friday, August 15, 2014

Department	Metropolitan Sewer District of Greater Cincinnati		
Project Title	Water Quality Modeling 2015		
Project ID	10280615	CIP Number	
CIP Subtype	Allowance Project	Sewer Number	

Purpose and Justification

The purpose of this allowance is to facilitate development of a comprehensive water quality program for MSD.

Impact to Operating Budget

None

Description and Location

This project involves collection of pertinent data and local field conditions for use in development of a comprehensive water quality model applicable that can be calibrated and verified to facilitate simulation of various alternatives for capital improvement projects. Activities performed under this allowance will determine the current water quality conditions in streams, creeks, and rivers; identify potential sources for pollutants of concern; identify how pollutants are transported to water bodies; and continue refining the assumptions used for design of stormwater best management practices.

Cost Description	Original Project Estimate	Prior Legislation	Current Legislation	Future Legislation	Current Project Estimate
Planning	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000
Design	\$0	\$0	\$0	\$0	\$0
Pre-Construction Services	\$0	\$0	\$0	\$0	\$0
Miscellaneous Expense	\$0	\$0	\$0	\$0	\$0
Right-of-Way	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0	\$0	\$0
Interest / Financing	\$0	\$0	\$0	\$0	\$0
Total	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000

Projected Legislation Dates	2015	2016	2017	2018	2019	Project Total
Prior Legislation	\$0	\$0	\$0	\$0	\$0	\$1,000,000
	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

Prior Legislation Action





2016 CIP

Metropolitan Sewer District of Greater Cincinnati

WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10141080	WWIP	SSO	Ludlow and Lafayette Parallel Sewer	\$3,161,000	\$0	\$3,161,000
10170080	WWIP	SSO	SSO 1000 Elimination	\$466,900	\$0	\$466,900
10170100	WWIP	SSO	SSO 228 Elimination	\$1,492,200	\$0	\$1,492,200
10170811	WWIP	TRT	LMWWTP Solids Handling Improvements	\$19,576,300	\$0	\$19,576,300
10170812	WWIP	TRT	LMWWTP Electrical and Disinfection Improvements	\$1,205,000	\$0	\$1,205,000
10171580	WWIP	CSO	CSO 54 Improvements	\$213,700	\$0	\$213,700
10171620	WWIP	CSO	CSO 187 Improvements	\$107,900	\$0	\$107,900
10180116	WWIP	ALW	Sewer Relining Trenchless Technology Program 2016	\$5,200,000	\$0	\$5,200,000
10180216	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2016	\$1,000,000	\$0	\$1,000,000
10190316	WWIP	ALW	Home Sewer Treatment System Extensions 2016	\$200,000	\$0	\$200,000
10199016	WWIP	ALW	Wet Weather Program Management and Support Services 2016	\$12,650,000	\$0	\$12,650,000
10240018	WWIP	SUS	CSO 125 Stream Separation	\$9,103,400	\$0	\$9,103,400
10240021	WWIP	SUS	CSO 217 483 Source Control - Phase C	\$4,957,500	\$0	\$4,957,500
10320012	WWIP	NON	Parrakeet Drive Local Sewer (HNs 6002-6068)	\$266,100	\$0	\$266,100
10320058	WWIP	LOC	Kern Drive & Springdale Road Local Sewer	\$457,400	\$0	\$457,400
10320060	WWIP	LOC	Mapleknoll Drive Local Sewer (HNs 9420-9562)	\$304,200	\$0	\$304,200
10320080	WWIP	LOC	Russell Heights Drive Local Sewer	\$671,300	\$0	\$671,300
10320085	WWIP	LOC	Brierly Creek Road Local Sewer (HNs 6040-6100)	\$181,900	\$0	\$181,900
10330037	WWIP	LOC	Upper Road Local Sewer (HNs 6340-6434)	\$171,000	\$0	\$171,000
10370032	WWIP	LOC	Coldstream Drive & Asbury Road Local Sewer	\$3,639,800	\$0	\$3,639,800
10470025	WWIP	LAT	Woodruff Road Sewer Lateral Assessment (HNs 8145, 8167, 8237)	\$86,200	\$0	\$86,200
11042801	WWIP	SUS	North Fairmount Bioswale Project	\$381,000	\$0	\$381,000
11130030	WWIP	SUS	Lower Muddy Creek Sustainable Watershed Evaluation Plan	\$300,000	\$0	\$300,000
11140100	WWIP	SUS	East Branch Upper South Mill Creek Sustainable Watershed Evaluation Plan	\$149,000	\$0	\$149,000
11140110	WWIP	SUS	West Branch Winton Woods Sustainable Watershed Evaluation Plan	\$618,000	\$0	\$618,000
11240020	WWIP	SUS	CSO 181 Real Time Control	\$3,498,600	\$0	\$3,498,600
11240030	WWIP	SUS	Wyoming and Minion Avenues Sewer Separation	\$2,616,700	\$0	\$2,616,700
11240110	WWIP	SUS	Quebec Rd Sewer Separation	\$6,733,600	\$0	\$6,733,600



2016 CIP
Metropolitan Sewer District of Greater Cincinnati
WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
11240150	WWIP	SUS	Queen City and Cora Avenues R W Sewer Separation	\$2,431,700	\$0	\$2,431,700
11243141	WWIP	SUS	CSO 217 483 Source Control Phase B (Construction)	\$11,194,000	\$0	\$11,194,000
11243142	WWIP	SUS	CSO 217 483 Source Control Phase A2	\$5,557,700	\$0	\$5,557,700
Total Cost for 31 WWIP Projects in 2016				\$98,592,100	\$0	\$98,592,100



2016 CIP

Metropolitan Sewer District of Greater Cincinnati

OTHER Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
13090000	OTHER	PGA	Programmatic Contingency (Design)	\$10,000,000	\$0	\$10,000,000
Total Cost for 1 OTHER Projects in 2016				\$10,000,000	\$0	\$10,000,000



2016 CIP

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10200001	AM	TRT	Great Miami WWTP	\$55,000,000	\$0	\$55,000,000
10220054	AM	SWR	Bruestle Avenue Pump Station Elimination	\$989,100	\$0	\$989,100
10220061	AM	SWR	Whitewater Township Regional Sewer District Phase III SR 128 Sewer Extension	\$6,142,500	\$0	\$6,142,500
10230031	AM	CSO	CSO 404,405,410,411 Outfall Reconstruction	\$656,800	\$0	\$656,800
10230041	AM	SWR	Westport Village PS Elimination	\$1,236,146	\$0	\$1,236,146
10230135	AM	SSO	Lower Muddy Creek Interceptor SSO Remediation	\$6,101,600	\$0	\$6,101,600
10230150	AM	SWR	Addyston Creek and Sewer Rehab	\$517,100	\$0	\$517,100
10240180	AM	SWR	3934 Winding Way Sewer Replacement	\$216,500	\$0	\$216,500
10240365	AM	SWR	Quebec Road Sewer Replacement	\$427,400	\$0	\$427,400
10240370	AM	SWR	Rose Hill Avenue Sewer Relocation	\$522,300	\$0	\$522,300
10240375	AM	SWR	Carpenters Run Pump Station Upgrade (Construction)	\$631,400	\$0	\$631,400
10240470	AM	SWR	Bahama Gardens Pump Station Upgrade and Force Main Replacement	\$785,400	\$0	\$785,400
10240500	AM	SWR	Yoast Avenue Sewer Improvements	\$134,300	\$0	\$134,300
10240505	AM	SWR	Mt. Pleasant Ave. Sewer Replacement	\$344,600	\$0	\$344,600
10240510	AM	SWR	Kinsey Avenue Sewer Replacement	\$279,600	\$0	\$279,600
10240520	AM	SWR	Freeman Ave - Klotter to McMicken Sewer Replacement	\$89,900	\$0	\$89,900
10240530	AM	SWR	Faehr Street Sewer Replacement	\$134,900	\$0	\$134,900
10240540	AM	SWR	Spring Grove Av, Township St. Sewer Improvements	\$695,200	\$0	\$695,200
10240600	AM	TRT	MCWWTP Electrical Arc Flash Protection	\$238,000	\$0	\$238,000
10240645	AM	NON	WWC Maintenance Shop Improvements	\$1,018,490	\$0	\$1,018,490
10240646	AM	NON	WWC Storeroom Driveway Flood Protection	\$550,000	\$0	\$550,000
10241325	AM	SWR	Montana Ave Sewer - Ferncroft to Mustang Dr.	\$3,073,300	\$0	\$3,073,300
10250025	AM	SWR	Huntington Pump Station Elimination	\$212,000	\$0	\$212,000
10250030	AM	TRT	Polk Run UV System Post Aeration Improvements	\$1,510,000	\$0	\$1,510,000
10250035	AM	TRT	Polk Run Non-Potable Water Upgrades	\$255,000	\$0	\$255,000
10270008	AM	SWR	Dry Run Sewers - Contract 8M	\$5,331,500	\$0	\$5,331,500
10270009	AM	SWR	Dry Run Sewers Contract BW	\$2,794,000	\$0	\$2,794,000
10270026	AM	SWR	Camargo Canyon Pump Station Elimination	\$620,100	\$0	\$620,100
10270125	AM	SWR	Portsmouth Avenue Sewer Replacement	\$365,600	\$0	\$365,600
10270135	AM	SWR	Airport and Robb Ave Sewer Replacement	\$312,200	\$0	\$312,200
10270150	AM	SWR	3981 Watterson Rd Sewer Replacement	\$184,400	\$0	\$184,400
10280124	AM	ALW	CIP Project Planning (Planning)	\$2,500,000	\$0	\$2,500,000



2016 CIP
Metropolitan Sewer District of Greater Cincinnati
ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10280186	AM	ALW	WWT System Asset Renewal 2016 (Construction)	\$5,000,000	\$0	\$5,000,000
10280236	AM	SWR	Hydraulic Modeling 2016 (Planning)	\$1,500,000	\$0	\$1,500,000
10280316	AM	ALW	Emergency Sewer Repairs 2016 (Construction)	\$8,500,000	\$0	\$8,500,000
10280516	AM	ALW	High Risk Asset Renewal 2016 (Construction)	\$4,500,000	\$0	\$4,500,000
10280616	AM	ALW	Water Quality Modeling 2016 (Planning)	\$1,000,000	\$0	\$1,000,000
12230045	AM	SWR	Stonebridge Apartments Sewer Study	\$300,000	\$0	\$300,000
12270110	AM	SWR	Mayland, Woodlark, and Lusanne Terrace Sewer Study	\$225,000	\$0	\$225,000
Total Cost for 39 ASSET Projects in 2016				\$114,894,336	\$0	\$114,894,336
Grand Totals for 71 Projects in 2016				\$223,486,436	\$0	\$223,486,436



2017 CIP
Metropolitan Sewer District of Greater Cincinnati
WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10130160	WWIP	TRT	Muddy Creek Pump Station Upgrade	\$4,331,400	\$0	\$4,331,400
10171740	WWIP	CSO	CSO 551 Sewer Separation	\$1,322,800	\$0	\$1,322,800
10180117	WWIP	ALW	Sewer Relining Trenchless Technology Program 2017	\$5,200,000	\$0	\$5,200,000
10180217	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2017	\$1,000,000	\$0	\$1,000,000
10190317	WWIP	ALW	Home Sewer Treatment System Extensions 2017	\$200,000	\$0	\$200,000
10199017	WWIP	ALW	Wet Weather Program Management and Support Services 2017	\$12,650,000	\$0	\$12,650,000
10310005	WWIP	LOC	Bridgetown Road Local Sewer (HNs 8477-8647)	\$501,100	\$0	\$501,100
10320056	WWIP	LOC	Ramblingridge Drive & Twinwillow Lane Local Sewer	\$3,243,000	\$0	\$3,243,000
10320065	WWIP	LOC	Reemelin Road Local Sewer (HNs 3489-3860)	\$1,265,700	\$0	\$1,265,700
10320070	WWIP	LOC	Crestnoll Lane Local Sewer (HN 3491-3609)	\$919,700	\$0	\$919,700
10340021	WWIP	LOC	Carpol Avenue, Honeywell Avenue & E. Kemper Road Local Sewer	\$1,044,700	\$0	\$1,044,700
11142741	WWIP	SUS	CSO 488 490 I-75 Reconstruction Coordination	\$1,613,000	\$0	\$1,613,000
11143260	WWIP	SUS	CSO 21 I-75 Reconstruction Coordination	\$2,999,000	\$0	\$2,999,000
11242846	WWIP	SUS	CSO 12 Sewer Separation Phase A.4b - Colerain to Spring Grove Avenue	\$7,085,100	\$0	\$7,085,100
11540010	WWIP	SWR	Mt Airy Receiving Sewer Upgrade	\$2,633,200	\$0	\$2,633,200
Total Cost for 15 WWIP Projects in 2017				\$46,008,700	\$0	\$46,008,700



2017 CIP
Metropolitan Sewer District of Greater Cincinnati
OTHER Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
13090000	OTHER	PGA	Programmatic Contingency (Design)	\$10,000,000	\$0	\$10,000,000
Total Cost for 1 OTHER Projects in 2017				\$10,000,000	\$0	\$10,000,000



2017 CIP

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10230090	AM	SWR	Barrington Hills, Barrington Hills BLK. F, Gil Volz, and Kirkridge Acres P.S. Eliminations	\$7,396,900	\$0	\$7,396,900
10230125	AM	TRT	East Branch Muddy Creek Pump Station Upgrades	\$1,736,100	\$0	\$1,736,100
10240151	AM	TRT	MCWWTP Administration and Annex Building Modifications	\$5,178,000	\$0	\$5,178,000
10240330	AM	SWR	Otte Avenue Sewer Replacement	\$485,700	\$0	\$485,700
10240360	AM	SWR	Timbers Pump Station Elimination	\$922,800	\$0	\$922,800
10240405	AM	SWR	Ponderosa Woods Pump Station Elimination	\$299,900	\$0	\$299,900
10240450	AM	SWR	Vinton Street - Beekman to Liddell Street	\$204,200	\$0	\$204,200
10240455	AM	SWR	Spring Grove Avenue Sewer Replacement and Rehabilitation	\$540,900	\$0	\$540,900
10240465	AM	SWR	Hosea Street Sewer Replacement	\$2,197,200	\$0	\$2,197,200
10240475	AM	SWR	Foraker Ave Sewer Replacement - Alms Pl to E. Terminus	\$83,900	\$0	\$83,900
10240495	AM	SWR	Wahl Terrace Sewer Replacement	\$783,500	\$0	\$783,500
10240515	AM	SWR	Mayhew and Leath Avenues Sewer Replacement	\$247,100	\$0	\$247,100
10240526	AM	SWR	Cypress St - Ashland Av to 250 feet east Sewer Replacement	\$147,300	\$0	\$147,300
10240550	AM	SWR	Pardee Alley Sewer Replacement-Oswald Al to 200' north	\$154,600	\$0	\$154,600
10240555	AM	SWR	Kemper Mill Village Pump Station Upgrade	\$596,400	\$0	\$596,400
10240560	AM	SWR	Schulte Drive Sewer Replacement	\$409,100	\$0	\$409,100
10240585	AM	TRT	MCWWTP Two-Bay Solids Receiving Facility	\$11,799,000	\$0	\$11,799,000
10240590	AM	TRT	MCWWTP Main Substation Improvements	\$2,492,000	\$0	\$2,492,000
10240605	AM	TRT	MCWWTP Secondary Treatment Capacity Enhancements	\$414,000	\$0	\$414,000
10240610	AM	TRT	MCWWTP Primary Sludge Pumping Improvements	\$1,053,000	\$0	\$1,053,000
10240615	AM	TRT	MCWWTP Primary Treatment Odor Control Improvements	\$1,103,800	\$0	\$1,103,800
10250020	AM	TRT	Polk Run WWTP Reliability and Service Upgrades	\$6,964,100	\$0	\$6,964,100
10270085	AM	TRT	LMWWTP Scum Removal and Handling	\$788,000	\$0	\$788,000
10270160	AM	TRT	Prospect Woods Pump Station Upgrade	\$816,600	\$0	\$816,600
10270175	AM	SWR	East Hill Ave Sewer Replacement	\$1,465,500	\$0	\$1,465,500
10280124	AM	ALW	CIP Project Planning (Planning)	\$2,500,000	\$0	\$2,500,000



2017 CIP
Metropolitan Sewer District of Greater Cincinnati
ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10280187	AM	ALW	WWT System Asset Renewal 2017 (Construction)	\$5,000,000	\$0	\$5,000,000
10280237	AM	SWR	Hydraulic Modeling 2017 (Planning)	\$1,500,000	\$0	\$1,500,000
10280317	AM	ALW	Emergency Sewer Repairs 2017 (Construction)	\$8,500,000	\$0	\$8,500,000
10280517	AM	ALW	High Risk Asset Renewal 2017 (Construction)	\$4,500,000	\$0	\$4,500,000
10280617	AM	ALW	Water Quality Modeling 2017 (Planning)	\$1,000,000	\$0	\$1,000,000
Total Cost for 31 ASSET Projects in 2017				\$71,279,600	\$0	\$71,279,600
Grand Totals for 47 Projects in 2017				\$127,288,300	\$0	\$127,288,300



2018 CIP
Metropolitan Sewer District of Greater Cincinnati
WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10170812	WWIP	TRT	LMWWTP Electrical and Disinfection Improvements	\$13,557,000	\$0	\$13,557,000
10180118	WWIP	ALW	Sewer Relining Trenchless Technology Program 2018	\$5,200,000	\$0	\$5,200,000
10180218	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2018	\$1,000,000	\$0	\$1,000,000
10190318	WWIP	ALW	Home Sewer Treatment System Extensions 2018	\$200,000	\$0	\$200,000
10199018	WWIP	ALW	Wet Weather Program Management and Support Services 2018	\$12,650,000	\$0	\$12,650,000
Total Cost for 5 WWIP Projects in 2018				\$32,607,000	\$0	\$32,607,000



2018 CIP
Metropolitan Sewer District of Greater Cincinnati
OTHER Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
13090000	OTHER	PGA	Programmatic Contingency (Design)	\$10,000,000	\$0	\$10,000,000
Total Cost for 1 OTHER Projects in 2018				\$10,000,000	\$0	\$10,000,000



2018 CIP

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10240271	AM	CSO	Lower Mill Creek HW DW Protection	\$3,820,000	\$0	\$3,820,000
10240325	AM	TRT	Glen Landing Pump Station Improvements	\$182,200	\$0	\$182,200
10240460	AM	SWR	Fairbanks Avenue Sewer Replacement	\$459,500	\$0	\$459,500
10240605	AM	TRT	MCWWTP Secondary Treatment Capacity Enhancements	\$1,941,000	\$0	\$1,941,000
10240620	AM	TRT	MCWWTP Biological Nutrient Removal Facilities	\$3,629,100	\$0	\$3,629,100
10240625	AM	TRT	MCWWTP Standby Power Distribution System Improvements	\$537,100	\$0	\$537,100
10240630	AM	TRT	MCWWTP South Raw Sewage Pump Station Pump Replacement	\$556,100	\$0	\$556,100
10240635	AM	TRT	MCWWTP North Pump Station Odor Control System Replacement	\$363,400	\$0	\$363,400
10260025	AM	TRT	South Clippinger Force Main Replacement and Pump Station Upgrade	\$500,000	\$0	\$500,000
10270170	AM	CSO	CSO 83 and 472 Dynamic Underflow Control	\$2,435,810	\$0	\$2,435,810
10280122.38	AM	SWR	Morrison Avenue Sewer Replacement	\$75,000	\$0	\$75,000
10280124	AM	ALW	CIP Project Planning (Planning)	\$2,500,000	\$0	\$2,500,000
10280188	AM	ALW	WWT System Asset Renewal 2018 (Construction)	\$5,000,000	\$0	\$5,000,000
10280238	AM	SWR	Hydraulic Modeling 2018 (Planning)	\$1,500,000	\$0	\$1,500,000
10280318	AM	ALW	Emergency Sewer Repairs 2018 (Construction)	\$8,500,000	\$0	\$8,500,000
10280518	AM	ALW	High Risk Asset Renewal 2018 (Construction)	\$4,500,000	\$0	\$4,500,000
10280618	AM	ALW	Water Quality Modeling 2018 (Planning)	\$1,000,000	\$0	\$1,000,000
12240010	AM	SWR	Ledgewood Ave Sewer Replacement	\$75,000	\$0	\$75,000
12240035	AM	SWR	911 McPherson Avenue Sewer Replacement	\$330,000	\$0	\$330,000
12240060	AM	SWR	Davey Avenue Sewer Replacement	\$225,000	\$0	\$225,000
12240345	AM	SWR	Mandarin Court Sewer Replacement	\$270,000	\$0	\$270,000
Total Cost for 21 ASSET Projects in 2018				\$38,399,210	\$0	\$38,399,210
Grand Totals for 27 Projects in 2018				\$81,006,210	\$0	\$81,006,210



2019 CIP

Metropolitan Sewer District of Greater Cincinnati

WWIP Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10130000	WWIP	SSO	Muddy Creek Basin Storage and Conveyance Sewer (Construction)	\$761,600	\$0	\$761,600
10130400	WWIP	SWR	River Rd. Near Muddy Creek WWTP Conveyance Sewer (Construction)	\$780,600	\$0	\$780,600
10131006	WWIP	SWR	East Branch Muddy Creek Interceptor Extension	\$1,000,000	\$0	\$1,000,000
10131120	WWIP	SWR	West Branch Muddy Creek Interceptor	\$2,843,400	\$0	\$2,843,400
10140000	WWIP	SSO	SSO 1048 Conveyance Sewer	\$450,870	\$0	\$450,870
10140020	WWIP	SSO	SSO 1048 Conveyance Sewer Phase 2	\$375,348	\$0	\$375,348
10140080	WWIP	SSO	SSO 587 Conveyance Sewer	\$275,637	\$0	\$275,637
10140120	WWIP	SSO	SSO 700 Influent Trunk Sewer	\$10,200,177	\$0	\$10,200,177
10140480	WWIP	SWR	Pleasant Run Interceptor Replacement (Design)	\$310,718	\$0	\$310,718
10142060	WWIP	CSO	CSO 507 Improvements	\$83,205	\$0	\$83,205
10142080	WWIP	CSO	CSO 509 Improvements	\$83,205	\$0	\$83,205
10142160	WWIP	CSO	CSO 510 Improvements	\$83,205	\$0	\$83,205
10142180	WWIP	CSO	CSO 508 Sewer Separation	\$284,670	\$0	\$284,670
10142200	WWIP	CSO	CSO 513 Sewer Separation	\$360,034	\$0	\$360,034
10142220	WWIP	CSO	CSO 514 Sewer Separation	\$193,696	\$0	\$193,696
10170813	WWIP	TRT	LMWWTP Preliminary Treatment Improvements	\$2,361,200	\$0	\$2,361,200
10171540	WWIP	CSO	CSO 135 Improvements	\$63,000	\$0	\$63,000
10171560	WWIP	CSO	CSO 43 Improvements	\$57,000	\$0	\$57,000
10171640	WWIP	CSO	CSO 214 Storage Facility	\$869,000	\$0	\$869,000
10171760	WWIP	CSO	CSO 552 Improvements	\$742,000	\$0	\$742,000
10171780	WWIP	CSO	CSO 553 Sewer Separation	\$56,000	\$0	\$56,000
10180119	WWIP	ALW	Sewer Relining Trenchless Technology Program 2019	\$5,200,000	\$0	\$5,200,000
10180219	WWIP	ALW	Manhole Rehabilitation Trenchless Technology Program 2019	\$1,000,000	\$0	\$1,000,000
10190319	WWIP	ALW	Home Sewer Treatment System Extensions 2019	\$200,000	\$0	\$200,000
10199019	WWIP	ALW	Wet Weather Program Management and Support Services 2019	\$12,650,000	\$0	\$12,650,000
Total Cost for 25 WWIP Projects in 2019				\$41,284,565	\$0	\$41,284,565



2019 CIP

Metropolitan Sewer District of Greater Cincinnati

OTHER Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
13090000	OTHER	PGA	Programmatic Contingency (Design)	\$10,000,000	\$0	\$10,000,000
Total Cost for 1 OTHER Projects in 2019				\$10,000,000	\$0	\$10,000,000



2019 CIP

Metropolitan Sewer District of Greater Cincinnati

ASSET Projects

Project ID	CIP Type	Project Type	Project Name	MSD	Other	Total
10230140	AM	SWR	Addyston Extraneous Stormwater Removal	\$748,800	\$0	\$748,800
10240420	AM	SWR	Freeland Avenue Area Sewer Replacement	\$99,500	\$0	\$99,500
10240445	AM	SWR	Colton Lane Sewer Replacement	\$88,100	\$0	\$88,100
10240525	AM	SWR	Victory Parkway Sewer Rehabilitation	\$106,400	\$0	\$106,400
10240625	AM	TRT	MCWWTP Standby Power Distribution System Improvements	\$2,790,000	\$0	\$2,790,000
10240630	AM	TRT	MCWWTP South Raw Sewage Pump Station Pump Replacement	\$2,911,000	\$0	\$2,911,000
10240635	AM	TRT	MCWWTP North Pump Station Odor Control System Replacement	\$1,530,000	\$0	\$1,530,000
10240640	AM	TRT	MCWWTP Biosolids Dewatering Facility Addition	\$4,297,100	\$0	\$4,297,100
10270130	AM	SWR	Wasson Ravine Sewer Replacement	\$1,147,600	\$0	\$1,147,600
10270165	AM	SWR	Delta and Greist Sewer Replacement	\$297,700	\$0	\$297,700
10280123.31	AM	SWR	Hackberry Street Sewer Replacement	\$75,000	\$0	\$75,000
10280124	AM	ALW	CIP Project Planning (Planning)	\$2,500,000	\$0	\$2,500,000
10280189	AM	ALW	WWT System Asset Renewal 2019 (Construction)	\$5,000,000	\$0	\$5,000,000
10280239	AM	SWR	Hydraulic Modeling 2019 (Planning)	\$1,500,000	\$0	\$1,500,000
10280319	AM	ALW	Emergency Sewer Repairs 2019 (Construction)	\$8,500,000	\$0	\$8,500,000
10280519	AM	ALW	High Risk Asset Renewal 2019 (Construction)	\$4,500,000	\$0	\$4,500,000
10280619	AM	ALW	Water Quality Modeling 2019 (Planning)	\$1,000,000	\$0	\$1,000,000
12230045	AM	SWR	Stonebridge Apartments Sewer Study	\$700,000	\$0	\$700,000
12240025	AM	SWR	McHenry Avenue Sewer Replacement	\$250,000	\$0	\$250,000
12240265	AM	SWR	Old Ludlow Ave R W Sewer Replacement	\$90,000	\$0	\$90,000
12240295	AM	SWR	Reading Road - 12th St to E. Liberty St	\$60,000	\$0	\$60,000
12240340	AM	SWR	Congress Run Stream Restoration Bank Stabilization	\$60,000	\$0	\$60,000
12240485	AM	SWR	Harvey Ave - ML King to 400 NW Sewer Evaluation	\$6,000	\$0	\$6,000
12240490	AM	SWR	Hickman Avenue Sewer Evaluation	\$24,000	\$0	\$24,000
12240500	AM	SWR	Depot Street Sewer Evaluation	\$300,000	\$0	\$300,000
12240505	AM	SWR	Banning Alley Sewer Replacement	\$45,000	\$0	\$45,000
12240510	AM	SWR	Rockdale and Windham Sewer Evaluation	\$30,000	\$0	\$30,000
12250000	AM	TRT	High Point Pump Station Evaluation	\$500,000	\$0	\$500,000
12270075	AM	SWR	5053 Ridge Ave Sewer Replacement	\$45,000	\$0	\$45,000
Total Cost for 29 ASSET Projects in 2019				\$39,201,200	\$0	\$39,201,200
Grand Totals for 55 Projects in 2019				\$90,485,765	\$0	\$90,485,765