

DRAFT PROPOSED 2027 - 2031 CAPITAL IMPROVEMENT PROGRAM (CIP)

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

INCLUDING THE 2027 CIP BUDGET REQUEST

10/6/26

Hamilton County

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- Commissioner Alicia Reece, Vice President
- Commissioner Denise Driehaus
- Jeff Aluotto, County Administrator

City of Cincinnati

- Mayor Aftab Pureval
- Sheryl M. M. Long, City Manager

Metropolitan Sewer District of Greater Cincinnati

Leadership

- Diana Christy, Executive Director
- Jenny Richmond, Deputy Director
- Ryan Welsh, Deputy Director and Project Executive
- Reese Johnson, Deputy Director and Chief Engineer
- Ian McCoy, Deputy Director

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MISSION STATEMENT

MSD collects and treats wastewater from Greater Cincinnati communities, protecting the environment and public health by returning clean water to local rivers and streams.

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI


METROPOLITAN
SEWER DISTRICT
OF GREATER CINCINNATI

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List of Acronyms

Abbreviation	Description
ALW	Allowance
APD	Alternative Project Delivery
BCE	Business Case Evaluation
BOCC	Board of County Commissioners, Hamilton County, OH
BODR	Basis of Design Report
CBR	Capital Budget Request
CD	Consent Decree
CDOTE	Cincinnati Department of Transportation & Engineering
CIP	Capital Improvement Program
CO	Change Order
CON	Construction
COW	Cost of Work
CR	Change Request
CSO	Combined Sewer Overflow/Outfall
CMT	County Monitor Team
DW	Data Warehouse
DUC	Dynamic Underflow Control
eB	e-Builder software by Trimble
ENC	Encumbrance
ESDC	Engineering Services During Construction
EPA	United States Environmental Protection Agency
EWP	Early Work Package
FAC	Treatment Facility
GMP	Guaranteed Maximum Price
HN	House Number
HRT	High-Rate Treatment Facility
HSTS	Home Sewage Treatment System
HW/DW	High Water / Dry Weather
LAR	Legislative Action Request
LEG	Legislation
LMWWTP	Little Miami Wastewater Treatment Plant
MCWWTP	Mill Creek Wastewater Treatment Plant
MGD	Million Gallons per Day
MSD	Metropolitan Sewer District of Greater Cincinnati
MUWWTP	Muddy Creek Wastewater Treatment Plant
N/A	Not Applicable
NEO	Non-Enumerated Overflow/Outfall
NOA	Notice of Advisement
NPDES	National Pollution Discharge Elimination System
O&M	Operation & Maintenance
ODOT	Ohio Department of Transportation

List of Acronyms
continued

Abbreviation	Description
OEPA	Ohio Environmental Protection Agency
OOM	Order of Magnitude
OPCC	Opinion of Probable Construction Cost
ORC	Ohio Revised Code
PCM	MSD's Project Costing Manual (current version)
PDB	Progressive Design Build
PDM	Project Delivery Module
PDS	Program Delivery System
PMIS	Project Management Information System
PMT	Program Management Team
PRWWTP	Polk Run Wastewater Treatment Plant
PS	Pump Station
PSO	Pump Station Overflow/Outfall
ROW	Right of Way
RTC	Real Time Control
SBU	Sewer Back Up (aka WIB: Water In Basement)
SCADA	Supervisory Control and Data Acquisition
SCWWTP	Sycamore Creek Wastewater Treatment Plant
SSO	Sanitary Sewer Overflow/Outfall
TCWWTP	Taylor Creek Wastewater Treatment Plant
WWC	Wastewater Collection Division of MSD
WWIP	Wet Weather Improvement Program
WWT	Wastewater Treatment Division of MSD
WWTP	Wastewater Treatment Plant

Glossary of Terms

Capital Improvement Program (CIP)

MSD's CIP is a continuously updated portfolio of all actively managed capital projects and allowances and including current delivery schedule and costs, in accordance with its approved PDS.

Capital Budget Request (CBR)

The 1-year funding request that accompanies the 5-year capital improvement program submittal prepared by MSD, recommended by the City and adopted by the Hamilton County Board of Commissioners.

Capital Planning

The activities necessary to identify, evaluate, and prioritize work which results in the creation of future capital projects.

Construction Phase Cost

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

Construction Services Cost

The cost for construction phase professional services, as needed, including construction management, construction inspection, field engineering and other related costs. This is also referred to as Engineering Services During Construction (ESDC).

Cost Estimates

Project cost estimates are developed in accordance with the most recent approved version of MSD's Project Costing Manual (PCM), which follows industry best practice by using Association for the Advancement of Cost Engineering International (AACE) standards. Estimates range from a AACE Class 5 estimate (accuracy range of -50% to +100%) to Class 1 (accuracy range of -10% to +15%).

Design Phase Cost

The cost for detailed design during the design phase including the costs for project bidding and award.

Legislated Costs

Legislated costs include costs that have been previously legislated, and legislation anticipated to be approved with future requests.

Miscellaneous Expense

The cost of all permit fees paid directly by MSD during the design phase. These costs include, but are not limited to, PTI, street opening permit, building permits, 401 permits. In addition, costs may include utility relocations and demolition if not handled during construction.

MSD Labor

The cost for MSD project planning, design and delivery related activities, including project management, construction management, construction inspection, field engineering, and other project-related personnel costs.

Planning Phase Cost

The cost for alternatives analysis and planning a capital project to derive a recommended alternative, typically documented by a Business Case Evaluation (BCE).

Pre-Construction Services

Prior to 2020, this included the cost of MSD personnel providing support functions during the planning and design phases. These costs are no longer budgeted on a project-specific basis; instead they are captured in the MSD Labor Allowance.

Program Delivery System

A collection of modules that define the development and execution of projects within MSD's capital program. MSD maintains a SharePoint based graphical tool that provides consistency and transparency to all users and stakeholders.

Project Schedules

Project schedules are first established based on the use of a standard template developed for the type and size of the project. The schedules are then refined by the project manager to address project specific issues or complexities, such as alternative delivery method, need for computer or physical modeling, or extensive ROW acquisition requirements. All schedules are created and maintained in Primavera P6 and updated on a regular basis to reflect the current forecasted completion of the remaining milestones.

Right of Way Cost

The cost of easement acquisition by MSD personnel, professional services for appraisal and title opinions, appropriation costs, court costs, and compensation paid to property owners for easements during the design phase.

Study

A body of work to evaluate a service area, watershed, basin or facility to identify potential capital projects.

2027 Capital Budget Request (CBR)

MSD's Capital Budget Request for 2027 reflects the capital investment needs of MSD's infrastructure system and the WWIP Phase 2B projects Accepted by the Regulators on July 25, 2025. Recognizing the significant commitments to WWIP Phase 2B projects in the coming years, necessary capital investments have been deferred to future years to fit within the affordability limit of our community, as determined by the BoCC.

The accompanying legislation requests adoption of MSD's proposed five-year Capital Improvement Program (CIP), requests approval of $76,018,216 in capital spending for planning, design, and easement work in 2027 (specified in Exhibit A) and of $44,572,310 in capital spending for construction in 2027 (specified in Exhibit B), with the expectation that $155,041,152 in capital spending will be requested through the calendar year for the specific construction activities remaining in the 2027 CIP.

The out-year projects (2028-2031) and estimated projected budgets are subject to change based on ongoing engineering efforts and affordability considerations. These out-year projects are included in the 2027-2031 CIP for planning purposes only and their estimated budgets are not representative of final costs when presented for future legislative consideration. Future funding requests should not be evaluated against estimated out-year costs contained in the 2027-2031 CIP.


METROPOLITAN
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Exhibit A

2027 CIP Projects
Metropolitan Sewer District of Greater Cincinnati
Planning/Design/Easement Funding Request (Exhibit A)

Project ID	Project Type	Project Name	Project Phase(s)	P/D/E Funds Requested
10172950	Treatment Facility	LMWWTP Electrical, Primary, and Secondary Improvements	Design	$100,000
10172960	Treatment Facility	LMWWTP HRT Facility	Design	$24,029,500
10240640	Treatment Facility	MCWWTP Dewatering Building Improvements	Planning	$608,722
10240640	Treatment Facility	MCWWTP Dewatering Building Improvements	Design	$15,747,983
10242245	Sewer Replacement	Ross Avenue and Globe Avenue Sewer Improvements	Design	$621,083
10272095	Treatment Facility	Litle Miami Interceptor Sluice Gate Replacement and Relocaton	Design	$164,400
			Project Total	**$41,271,688**
10182027	Allowance	Urgent Capacity Response 2027	Planning	$1,625,584
10190327	Allowance	HSTS Eliminatons 2027	Design	$1,000,000
10199027	Allowance	Program Management and Support Services 2027	Planning	$9,569,800
10199127	Allowance	Hamilton County Utlity Oversight and Coordinaton 2027	Planning	$5,141,880
10280247	Allowance	Hydraulic Modeling Support 2027	Planning	$2,772,000
10282027	Allowance	CIP Planning 2027	Planning	$2,000,000
10282427	Allowance	Flow Monitoring Support 2027	Planning	$2,000,000
13099999	Allowance	MSD Labor	Planning	$10,637,264
			Allowance Total	**$34,746,528**
			2027 Exhibit A Total	**$76,018,216**

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Exhibit B

2026 CIP Projects
Metropolitan Sewer District of Greater Cincinnati
Estimate of Construction - Detailed Project Estimate Cost (Exhibit B)

Project ID	Project Name	Location	Explanation/Description	Legislation Type	Current Request	CIP Type	Project Start
10180127	Main Sewer Renewal Program 2027	Systemwide	This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized (utilizing the Gravity Sewer Asset Management System (GSAM)) based on their structural condition, and the likelihood and consequence of their failure.	Construction	$7,387,010	WWIP	January 2027
10180227	Manhole Renewal Program 2027	Systemwide	This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.	Construction	$1,196,066	WWIP	January 2027
10280727	Prioritized Wastewater Collection System Asset Management 2027	Systemwide	This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.	Construction	$23,754,397	Asset Management	January 2027
10281327	Critical Asset Management 2027	Systemwide	This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. It funds risk-based prioritized wastewater treatment expenditures that are critical to sustain the expected operational, regulatory, and safety performance levels.	Construction	$7,234,837	Asset Management	January 2027
13090027	Programmatic Contingency 2027	Systemwide	This allowance is intended to fund necessary cost increases during a project's construction phase due to (a) issues discovered during construction or (b) receipt of an awardable bid higher than the Engineer's Estimate (in accordance with the Ohio Revised Code (ORC)). Funds are transferred from this allowance onto the specific capital project for an approved purpose. Absent County concurrence, program contingency will not be used on projects for which project-specific construction contingency funding has been appropriated for construction cost change purposes or on projects which have contingency and allowances built into the guaranteed maximum price (GMP).	Construction	$5,000,000	Other	January 2027
				Total	**$44,572,310**		

Project ID	Project Name	Planning	Design	Pre-Construction Services	Miscellaneous Expense	Right of Way	Construction	Contingency	Construction Services	Interest/ Financing	Total
10180127	Main Sewer Renewal Program 2027	$-	$-	$-	$-	$-	$7,387,010	$-	$-	$-	**$7,387,010**
10180227	Manhole Renewal Program 2027	$-	$-	$-	$-	$-	$1,073,176	$-	$122,890	$-	**$1,196,066**
10280727	Critical Asset Management 2027	$-	$-	$-	$-	$-	$7,234,837	$-	$-	$-	**$7,234,837**
10281327	Prioritized Wastewater Collection System Asset Management 2027	$-	$-	$-	$-	$-	$20,357,728	$-	$3,396,669	$-	**$23,754,397**
13090027	Programmatic Contingency 2027						$5,000,000		$-		**$5,000,000**
Total		**$-**	**$-**	**$-**	**$-**	**$-**	**$41,052,751**	**$-**	**$3,519,559**	**$-**	**$44,572,310**

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2027 CIP Projects

Annual Total **$ 275,631,678**

Projects

PID	Description	2027 Total Requested
Planning Phase		
10240640	MCWWTP Dewatering Building Improvements	$ 608,722
Planning Phase Total		**$ 608,722**
Design/Easement Phase		
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	$ 100,000
10172960	LMWWTP HRT Facility	$ 24,029,500
10240640	MCWWTP Dewatering Building Improvements	$ 15,747,983
10242245	Ross Avenue and Globe Avenue Sewer Improvements	$ 621,083
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	$ 164,400
Design/Easement Phase Total		**$ 40,662,966**
Construction Phase		
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	$ 105,638,500
10222010	TCWWTP Aeration Basin Conversion	$ 42,863,752
10230150	Addyston Creek and Sewer Rehab	$ 651,000
10232045	MUWWTP UV Disinfection Replacement	$ 5,887,900
Construction Phase Total		**$ 155,041,152**

2027 CIP Allowances

Allowances

PID	Description		2027 Total Requested
Planning Phase			
10182027	Urgent Capacity Response 2027	$	1,625,584
10199027	Program Management and Support Services 2027	$	9,569,800
10199127	Hamilton County Utility Oversight and Coordination 2027	$	5,141,880
10280247	Hydraulic Modeling Support 2027	$	2,772,000
10282027	CIP Planning 2027	$	2,000,000
10282427	Flow Monitoring Support 2027	$	2,000,000
13099999	MSD Labor	$	10,637,264
Planning Phase Total		**$**	**33,746,528**
Design/Easement Phase			
10190327	HSTS Eliminations 2027	$	1,000,000
Design/Easement Phase Total		**$**	**1,000,000**


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Project Fact Sheet

10240640 - MCWWTP Dewatering Building Improvements

Project Type: Treatment Facility
CIP Category: WWIP
Sanitary Sewer #: 6937

WWTP Basin: 04 - Mill Creek
Watershed: 4.00 - Mill Creek
Municipality: City of Cincinnati
Neighborhood: Lower Price Hill

Project Intent & Description

This project, recommended as part of MSD's 2019 Solids Handling Master Plan, will increase reliability of the dewatering process by constructing a new dewatering building on a pre-existing site prepared during Phase 1 of the WWIP. The facility will be designed to process all solids generated at MCWWTP, with or without solids that will be generated from the proposed Mill Creek HRT, including odor control.

Project Status

Legislative Phase Request: Planning Phase
Project Delivery Method: Design-Build

Project ROW

ROW to consider acquiring an easement through the Whitton Container property located at 1478 Fitzpatrick.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	11/09/2022
Planning Phase	
Planning NTP	10/14/2026
BCE Approved	12/01/2027
Design Phase	
Design NTP	01/15/2029
60% Design	01/10/2030
90% Design	05/13/2030
Construction Legislation Approval	08/29/2030
Bid Advertisement	
Construction Phase	
Construction NTP	09/18/2030
Substantial Completion	09/16/2034
Final Completion	04/13/2035

Permitting Needs

The Project requires standard construction project approvals and permits.

Related Projects

Predecessors: null

Successors: null

Regulatory Parameters

WWIP Compliance Date: 12/31/2035
Adaptive Management: Yes
WWIP Index No.: 248

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$2,520,000	$608,722		$3,128,722
Design		$10,886,734		$10,886,734
Pre-Construction Services		$3,461,249		$3,461,249
ROW		$150,000		$150,000
Miscellaneous Expense		$1,250,000		$1,250,000
Construction			$168,951,324	$168,951,324
Construction Services			$6,828,109	$6,828,109
Total	**$2,520,000**	**$16,356,705**	**$175,779,433**	**$194,656,138**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10172950 - LMWWTP Electrical, Primary, and Secondary Improvements

Project Type: Treatment Facility
CIP Category: WWIP
Sanitary Sewer #: 7188

WWTP Basin: 07 - Little Miami
Watershed: 7.04 - Lower Duck Creek
Municipality: City of Cincinnati
Neighborhood: East End

Project Intent & Description

In 2022, the Little Miami WWTP HRT and Bundle Update Business Case Evaluation (BCE) was completed. This BCE recommended several adaptive management projects to increase peak wet-weather capacity to 215 MGD at the LMWWTP and address several critical asset management needs. This project includes upgrades at primary and secondary treatment processes to support increased wet-weather treatment capacity from 55 MGD to 100 MGD through secondary. To support the upgrades to Primary and Secondary Pumping modifications, this project also includes replacing electrical equipment within the Secondary Treatment Building and two existing standby power generators. While secondary capacity will be increased the plant will still be limited to 55 MGD until disinfection and pumping improvements are completed during the HRT Facility Project. This project is included in the East End neighborhood in the City of Cincinnati, Hamilton County, Ohio.

Project Status

Legislative Phase Request: Design Phase
Project Delivery Method: Design-Bid-Build

Project ROW

None Required - all improvements will be made to the existing structures on MSD property.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	07/06/2022
Planning Phase	
Planning NTP	02/28/2019
BCE Approved	
Design Phase	
Design NTP	06/11/2024
60% Design	09/18/2026
90% Design	01/08/2027
Construction Legislation Approval	05/27/2027
Bid Advertisement	06/24/2027
Construction Phase	
Construction NTP	09/07/2027
Substantial Completion	05/24/2030
Final Completion	08/22/2030

Permitting Needs

PTI and Building Permits will be required

Related Projects

Predecessors: LMWWTP Solids Disposal with Odor Control

Successors: LMWWTP HRT Facility

Regulatory Parameters

WWIP Compliance Date: 12/31/2035
Adaptive Management: Yes
WWIP Index No.: 195 to 206

Benefited CSOs: 467, 468, 469, 472, 476, 656
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning				
Design	$3,515,225			$3,515,225
Pre-Construction Services		$100,000		$100,000
ROW				
Miscellaneous Expense	$556,800			$556,800
Construction		$87,000,000		$87,000,000
Construction Services		$14,288,500		$14,288,500
Contingency		$4,350,000		$4,350,000
Total	**$4,072,025**	**$105,738,500**		**$109,810,525**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10172960 - LMWWTP HRT Facility

Project Type: Treatment Facility
CIP Category: WWIP
Sanitary Sewer #: 7190

WWTP Basin: 07 - Little Miami
Watershed: 7.04 - Lower Duck Creek
Municipality: City of Cincinnati
Neighborhood: East End

Project Intent & Description

In 2022, the Little Miami WWTP HRT and Bundle Update Business Case Evaluation (BCE) was completed. This BCE recommended several adaptive management projects to increase peak wet-weather capacity to 215 MGD at the LMWWTP and address several critical asset management needs. This project will construct an HRT facility with a capacity of 115 MGD, and it will upgrade the existing treatment plant influent pumping and screening systems to deliver flow to both the HRT and the upgraded secondary (100 MGD) process. This will eliminate the bypass of wet weather flows at the plant during the typical year. Additionally, the disinfection system will be upgraded to match the expanded treatment capacity. The BCE identified cloth media filtration as a viable HRT technology. As the design progresses and coordination with other concurrent projects occurs, other HRT technologies such as chemically enhanced primary treatment, ballasted flocculation, and compressible media filtration, may be revisited and implemented if appropriate. The scope of the de-legislated LMTP HRT Preparation Project has been combined and incorporated into the scope of this project.

Project Status

Legislative Phase Request: Design Phase
Project Delivery Method: Design-Build

Project ROW

The new outfall for the HRT may require acquisition of easements between the treatment plant property and the Ohio River.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	
Planning Phase	
Planning NTP	
BCE Approved	
Design Phase	
Design NTP	06/25/2027
60% Design	06/11/2029
90% Design	03/25/2030
Construction Legislation Approval	11/15/2029
Bid Advertisement	
Construction Phase	
Construction NTP	03/14/2031
Substantial Completion	12/12/2034
Final Completion	03/12/2035

Permitting Needs

OEPA Permit to Install (PTI), City building permits, Revised NPDES permit and USACE Nationwide Permit (NWP)

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date: 12/31/2035
Adaptive Management: Yes
WWIP Index No.: Various

Benefited CSOs: 467, 468, 469, 472, 476, 656
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$1,088,000			$1,088,000
Design	$2,142,800	$19,669,000		$21,811,800
Pre-Construction Services		$2,838,000		$2,838,000
ROW		$297,500		$297,500
Miscellaneous Expense	$562,200	$1,225,000		$1,787,200
Construction			$279,734,200	$279,734,200
Construction Services			$8,443,300	$8,443,300
Total	**$3,793,000**	**$24,029,500**	**$288,177,500**	**$316,000,000**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10242245 - Ross Avenue and Globe Avenue Sewer Improvements

Project Type: Sewer Replacement
CIP Category: Asset Management
Sanitary Sewer #:

WWTP Basin: 04 - Mill Creek
Watershed: 4.15 - Ross Run
Municipality: City of Norwood
Neighborhood: Inside Ham County/Outside City

Project Intent & Description

The project is located in the City of Norwood, in the Ross Run watershed of the North Mill Creek drainage basin, on Ross Avenue between Globe Avenue and Section Avenue. The project consists of upsizing approximately 980 ft of 10" sanitary sewer to 18" and upsizing approximately 50 ft of 24" combined sewer to 36". Additional I/I mitigation improvements are potentially required to fully address all SBUs in the area. These improvements should be evaluated as part of the project and may include downspout disconnection, point repairs/lining of sanitary sewer in Warren Ave, Rolston Ave, Hunter Ave, and Globe Ave, and/or upsizing of sanitary sewer in Warren Ave, Rolston Ave, Hunter Ave, and Globe Ave

Project Status

Legislative Phase Request: Design Phase
Project Delivery Method: Design-Bid-Build

Project ROW

ROW may be required depending on the full scope of utility conflicts in Ross Avenue. The cost estimate makes the conservative assumption that ROW will be required for the length of the sewer.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	08/20/2025
Planning Phase	
Planning NTP	12/16/2026
BCE Approved	06/10/2027
Design Phase	
Design NTP	08/04/2027
60% Design	05/19/2028
90% Design	11/16/2028
Construction Legislation Approval	11/15/2029
Bid Advertisement	12/13/2029
Construction Phase	
Construction NTP	02/28/2030
Substantial Completion	07/01/2031
Final Completion	08/30/2031

Permitting Needs

Standard permitting for sewer work in public ROW is expected.

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: N/A
WWIP Index No.: N/A

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$134,000			$133,894
Design		$202,667		$202,667
Pre-Construction Services				
ROW		$300,639		$300,639
Miscellaneous Expense		$117,777		$117,777
Construction			$1,732,484	$1,732,484
Construction Services			$149,026	$149,026
Total	**$134,000**	**$621,083**	**$1,881,510**	**$2,636,487**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10272095 - Little Miami Interceptor Sluice Gate Replacement and Relocation

Project Type: Treatment Facility
CIP Category: Asset Management
Sanitary Sewer #: 10272095

WWTP Basin: 07 - Little Miami
Watershed: 7.02 - East Duck Creek
Municipality: City of Cincinnati
Neighborhood: Linwood

Project Intent & Description

This project includes the replacement of a 72" x 72" sluice gate and actuator with SCADA integration to allow for remote monitoring and control, the rehabilitation or replacement of structure 45708003 including properly sized hatches and other appurtenances to ensure safe and effective operation, and access drive improvements.

Project Status

Legislative Phase Request: Design Phase
Project Delivery Method: Design-Bid-Build

Project ROW

Structure located on City of Cincinnati property, therefore a Memorandum of Understanding is required with Cincinnati Department of Transportation and Engineering and Cincinnati Recreation Commission.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	05/29/2024
Planning Phase	
Planning NTP	02/15/2027
BCE Approved	01/21/2028
Design Phase	
Design NTP	03/01/2028
60% Design	11/27/2028
90% Design	05/24/2029
Construction Legislation Approval	12/13/2029
Bid Advertisement	01/11/2030
Construction Phase	
Construction NTP	03/27/2030
Substantial Completion	07/28/2031
Final Completion	09/26/2031

Permitting Needs

Street opening permit will be required for any portion of work in the public R/W.

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: No
WWIP Index No.: N/A

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$64,000			$64,000
Design		$87,500		$87,500
Pre-Construction Services				
ROW				
Miscellaneous Expense		$76,900		$76,900
Construction			$551,000	$551,000
Construction Services			$135,000	$135,000
Total	**$64,000**	**$164,400**	**$686,000**	**$914,400**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10222010 - TCWWTP Aeration Basin Conversion

Project Type: Treatment Facility
CIP Category: Asset Management
Sanitary Sewer #: 6989

WWTP Basin: 02 - Taylor Creek
Watershed: 2.01 - Taylor Creek-Miamitown
Municipality: Colerain Township
Neighborhood: Inside Ham County/Outside City

Project Intent & Description

This project converts the plant's aeration process from the existing Schreiber system to a conventional activated sludge configuration by modifying the existing aeration tanks into three aeration trains plus an equalization train. A new external anoxic selector is being constructed upstream of the aeration basins. Associated yard piping is also being installed. A new Blower Building is being added to house new aeration blowers, associated switchgear, motor control centers, a standby generator, and stainless steel suction and discharge piping.

Project Status

Legislative Phase Request: Construction Phase
Project Delivery Method: Design-Bid-Build

Project ROW

No easements are required for this project.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	03/09/2022
Planning Phase	
Planning NTP	10/24/2022
BCE Approved	10/29/2025
Design Phase	
Design NTP	04/01/2026
60% Design	10/29/2026
90% Design	03/09/2027
Construction Legislation Approval	08/26/2027
Bid Advertisement	09/23/2027
Construction Phase	
Construction NTP	12/08/2027
Substantial Completion	12/08/2029
Final Completion	02/05/2030

Permitting Needs

A Building Permit and Ohio EPA PTI will be required for this project.

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: No
WWIP Index No.: N/A

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$503,104			$503,104
Design	$1,690,000			$1,690,000
Pre-Construction Services				
ROW				
Miscellaneous Expense	$390,000			$345,000
Construction		$38,668,250		$38,668,250
Construction Services		$4,195,502		$4,195,502
Total	**$2,583,104**	**$42,863,752**		**$45,401,856**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10230150 - Addyston Creek and Sewer Rehab

Project Type: Sewer Replacement
CIP Category: Asset Management
Sanitary Sewer #: 6453

WWTP Basin: 03 - Muddy Creek
Watershed: 3.01 - Lower Muddy Creek
Municipality: Village of Addyston
Neighborhood: Inside Ham County/Outside City

Project Intent & Description

This project will install approximately 590 feet of new 21-inch diameter sewer pipe and three manholes along the east side of West Fork Muddy Creek between Grigsby Lane and Baker Lane in the Village of Addyston. The existing sewers will be filled, sealed, and abandoned.

Project Status

Legislative Phase Request: Construction Phase
Project Delivery Method: Design-Bid-Build

Project ROW

Four temporary and three permanent easements are needed from two property owners.

Project Schedule

	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	
Planning Phase	
Planning NTP	
BCE Approved	
Design Phase	
Design NTP	08/12/2014
60% Design	11/04/2015
90% Design	01/27/2023
Construction Legislation Approval	07/29/2027
Bid Advertisement	08/25/2027
Construction Phase	
Construction NTP	11/10/2027
Substantial Completion	11/09/2028
Final Completion	01/08/2029

Permitting Needs

Project construction will require a Permit To Install (PTI) as well as street opening permits.

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: No
WWIP Index No.: N/A

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$31,942			$31,942
Design	$148,923			$148,923
Pre-Construction Services	$56,800			$56,800
ROW	$43,544			$43,544
Miscellaneous Expense	$57,500			$57,500
Construction		$626,000		$626,000
Construction Services		$25,000		$25,000
Total	**$338,709**	**$651,000**		**$989,709**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project Fact Sheet

10232045 - MUWWTP UV Disinfection Replacement

Project Type: Treatment Facility
CIP Category: Asset Management
Sanitary Sewer #: 7216

WWTP Basin: 03 - Muddy Creek
Watershed: 3.01 - Lower Muddy Creek
Municipality: City of Cincinnati
Neighborhood: Sayler Park

Project Intent & Description

The Muddy Creek Wastewater Treatment Plant (MUWWTP) utilizes ultraviolet radiation to disinfect secondary effluent before discharging to the Ohio River. The existing system was installed in 2002 and is beyond its estimated useful life/obsolete. The manufacturer no longer supports the installed Trojan UV 4000 model; while consumables are still available for purchase, other critical replacement parts will only be available as supplies last. The backup disinfection system needs to be improved, due to revised NPDES permit limits.

Project Status

Legislative Phase Request: Construction Phase
Project Delivery Method: Design-Bid-Build

Project ROW

No easements are required for this project.

Project Schedule	Forecast/Actual
Nomination Phase	
Nomination Approved (SG1)	
Planning Phase	
Planning NTP	12/19/2025
BCE Approved	05/26/2026
Design Phase	
Design NTP	08/05/2026
60% Design	11/02/2026
90% Design	02/09/2027
Construction Legislation Approval	05/27/2027
Bid Advertisement	06/08/2027
Construction Phase	
Construction NTP	08/24/2027
Substantial Completion	08/23/2028
Final Completion	10/22/2028

Permitting Needs

Project will potentially need an Ohio EPA Permit-to-Install, and/or a City of Cincinnati building permit.

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: No
WWIP Index No.: N/A

Benefited CSOs: N/A
Benefited SSOs: N/A
Benefited PSOs: N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	$262,703			$262,703
Design	$565,613			$565,613
Pre-Construction Services				
ROW				
Miscellaneous Expense	$110,000			$110,000
Construction		$5,074,700		$5,074,700
Construction Services		$813,200		$813,200
Total	**$938,316**	**$5,887,900**		**$6,826,216**

2027 Allowance Fact Sheet

ID - Name	CIP Description	Budget
10180127 - Main Sewer Renewal Program 2027	This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized (utilizing the Gravity Sewer Asset Management System (GSAM)) based on their structural condition, and the likelihood and consequence of their failure.	$7,387,010
10180227 - Manhole Renewal Program 2027	This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.	$1,196,066
10182027 - Urgent Capacity Response 2027	This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.	$1,625,584
10190327 - HSTS Eliminations 2027	This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identified, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.	$1,000,000
10199027 - Program Management and Support Services 2027	This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annually to confirm priorities and objectives.This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.	$9,569,800
10199127 - Hamilton County Utility Oversight and Coordination 2027	The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement Program “WWIP”. The "County Monitor Team" (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT’s work is an appropriate expenditure of MSD funds under R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.	$5,141,880

2027 Allowance Fact Sheet (continued)

ID - Name	CIP Description	Budget
10280247 - Hydraulic Modeling Support 2027	This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WWE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements 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. Budget is based on 56 meters for systematic calibration of the SWM and 70 project-specific meters at a base cost of $22,000, which includes the calibration itself as well as the necessary ancillary costs of the calibration process including review, analysis tools, and vaulting.	$2,772,000
10280727 - Critical Asset Management 2027	This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. It funds risk-based prioritized wastewater treatment expenditures that are critical to sustain the expected operational, regulatory, and safety performance levels.	$7,234,837
10281327 - Prioritized Wastewater Collection System Asset Management 2027	This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.	$23,754,397
10282027 - CIP Planning 2027	This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes the evaluation of project nominations, confirmation of project drivers, prioritization for future CIP, and the development and analysis of alternatives, including the development of a Business Case Evaluation (BCE), before nominating a project for inclusion in a future CIP.	$2,000,000
10282427 - Flow Monitoring Support 2027	This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic conditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring services for an average of $25,000 per meter per year. Budget is based on the installation of 40 meters for systematic calibration of the SWM and 40 meters to support capital project development.	$2,000,000

ID - Name	CIP Description	Budget
13090027 - Programmatic Contingency 2027	This allowance is intended to fund necessary cost increases during a project's construction phase due to (a) issues discovered during construction or (b) receipt of an awardable bid higher than the Engineer's Estimate (in accordance with the Ohio Revised Code (ORC)). Funds are transferred from this allowance onto the specific capital project for an approved purpose. Absent County concurrence, program contingency will not be used on projects for which project-specific construction contingency funding has been appropriated for construction cost change purposes or on projects which have contingency and allowances built into the guaranteed maximum price (GMP).	$5,000,000
13099999 - MSD Labor	This allowance capitalizes the labor costs incurred by MSD to plan and deliver the Capital Program. The cost of MSD labor is not included in project specific budgets to avoid double counting. (Beginning in 2020, all MSD WWE staff discontinued charging directly to projects and instead charge to this allowance that is allocated back to projects by MSD Accounting.)	$10,637,264

2028 CIP Projects

Annual Total **$ 127,248,484**

Projects

PID	Description	2028 Total Requested
Planning Phase		
10242335	Mayflower Estates WWTP Elimination	$ 219,000
Planning Phase Total		**$ 219,000**
Design/Easement Phase		
10242225	I-75 Lockland Split Sewer Rehabilitation	$ 1,770,000
10272100	Chandler Street Sewer Improvements	$ 1,414,957
Design/Easement Phase Total		**$ 3,184,957**
Construction Phase		
10240275	SSO 603 and 704 Improvements	$ 11,026,531
10240426	Pleasant Run Pump Station Upgrades	$ 29,003,000
Construction Phase Total		**$ 40,029,531**
Projects Sub-Total		***$ 43,433,488***

2028 CIP Allowances

Allowances

PID	Description		2028 Total Requested
Planning Phase			
10182028	Urgent Capacity Response 2028	$	1,682,480
10199028	Program Management and Support Services 2028	$	9,904,743
10199128	Hamilton County Utility Oversight and Coordination 2028	$	5,321,846
10280248	Hydraulic Modeling Support 2028	$	2,869,020
10282028	CIP Planning 2028	$	2,000,000
10282428	Flow Monitoring Support 2028	$	2,070,000
13099999	MSD Labor	$	11,009,568
Planning Phase Total		**$**	**34,857,657**
Design/Easement Phase			
10190328	HSTS Eliminations 2028	$	3,000,000
Design/Easement Phase Total		**$**	**3,000,000**
Construction Phase			
10180128	Main Sewer Renewal Program 2028	$	7,645,555
10180228	Manhole Renewal Program 2028	$	1,237,928
10280728	Critical Asset Management 2028	$	7,488,056
10281328	Prioritized Wastewater Collection System Asset Management 2028	$	24,585,800
13090028	Programmatic Contingency 2028	$	5,000,000
Construction Phase Total		**$**	**45,957,339**
Allowances Sub-Total		***$***	***83,814,996***

2029 CIP Projects

Annual Total **$ 426,983,702**

Projects

PID	Description	2029 Total Requested
Planning Phase		
10242250	Lower Price Hill Mill Creek Interceptor Renewal	$ 100,000
Planning Phase Total		**$ 100,000**
Design/Easement Phase		
10240525	Victory Parkway Sewer Rehabilitation	$ 52,840
10242250	Lower Price Hill Mill Creek Interceptor Renewal	$ 2,228,000
10242335	Mayflower Estates WWTP Elimination	$ 490,850
10270110	Linwood Avenue Sewer Replacement	$ 7,492
10270175	East Hill Ave Sewer Replacement	$ 95,352
10270225	Elsmere Avenue from Slane to Lafayette Sewer Replacement	$ 753,100
Design/Easement Phase Total		**$ 3,627,634**
Construction Phase		
10130280	Addyston Pump Station Elimination	$ 12,850,000
10172960	LMWWTP HRT Facility	$ 288,177,500
10232030	Rapid Run and Foley Road PS Receiver Manhole Installation	$ 11,740,000
10242085	Village Woods Pump Station and System Improvements	$ 1,697,600
10242225	I-75 Lockland Split Sewer Rehabilitation	$ 6,627,000
10242245	Ross Avenue and Globe Avenue Sewer Improvements	$ 1,881,510
10262015	SCWWTP Secondary Clarifier Upgrade	$ 12,300,000
10270175	East Hill Ave Sewer Replacement	$ 2,897,939
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	$ 686,000
Construction Phase Total		**$ 338,857,549**
Projects Sub-Total		***$ 342,585,183***

2029 CIP Allowances

Allowances

PID	Description		2029 Total Requested
Planning Phase			
10182029	Urgent Capacity Responses 2029	$	1,741,366
10199029	Program Management and Support Services 2029	$	10,251,409
10199129	Hamilton County Utility Oversight and Coordination 2029	$	5,508,110
10280249	Hydraulic Modeling Support 2029	$	2,969,436
10282029	CIP Planning 2029	$	2,000,000
10282429	Flow Monitoring Support 2029	$	2,142,450
13099999	MSD Labor	$	11,394,903
Planning Phase Total		**$**	**36,007,674**
Design/Easement Phase			
10190329	HSTS Eliminations 2029	$	1,000,000
Design/Easement Phase Total		**$**	**1,000,000**
Construction Phase			
10180129	Main Sewer Renewal Program 2029	$	7,913,149
10180229	Manhole Renewal Program 2029	$	1,281,255
10280729	Critical Asset Management 2029	$	7,750,138
10281329	Prioritized Wastewater Collection System Asset Management 2029	$	25,446,303
13090029	Programmatic Contingency 2029	$	5,000,000
Construction Phase Total		**$**	**47,390,845**
Allowances Sub-Total		***$***	***84,398,519***

2030 CIP Projects

Annual Total **$ 322,337,562**

Projects

PID	Description	2030 Total Requested
Planning Phase		
Design/Easement Phase		
Construction Phase		
10240640	MCWWTP Dewatering Building Improvements	$ 175,779,433
10242190	Bold Face Pump Station	$ 45,385,000
10272100	Chandler Street Sewer Improvements	$ 14,100,661
Construction Phase Total		**$ 235,265,094**

Projects Sub-Total ***$ 235,265,094***

2030 CIP Allowances

Allowances

PID	Description		2030 Total Requested
Planning Phase			
10182030	Urgent Capacity Responses 2030	$	1,802,314
10199030	Program Management and Support Services 2030	$	10,610,208
10199130	Hamilton County Utility Oversight and Coordination 2030	$	5,700,894
10280250	Hydraulic Modeling Support 2030	$	3,073,366
10282030	CIP Planning 2030	$	2,000,000
10282430	Flow Monitoring Support 2030	$	2,217,436
13099999	MSD Labor	$	11,793,725
Planning Phase Total		**$**	**37,197,943**
Design/Easement Phase			
10190330	HSTS Eliminations 2030	$	1,000,000
Design/Easement Phase Total		**$**	**1,000,000**
Construction Phase			
10180130	Main Sewer Renewal Program 2030	$	8,190,109
10180230	Manhole Renewal Program 2030	$	1,326,099
10280730	Critical Asset Management 2030	$	8,021,393
10281430	Prioritized Wastewater Collection System Asset Management 2030	$	26,336,924
13090030	Programmatic Contingency 2030	$	5,000,000
Construction Phase Total		**$**	**48,874,525**
Allowances Sub-Total		***$***	***87,072,468***

2031 CIP Projects

Annual Total **$ 151,837,667**

Projects

PID	Description	2031 Total Requested
Planning Phase		
Design/Easement Phase		
10240760	Highland and Burnet Sewer Replacement	$ 3,100
10272050	Wayside Hills Pump Station	$ 49,000
Design/Easement Phase Total		**$ 52,100**
Construction Phase		
10130161	Muddy Creek PSU & Force Main	$ 12,477,669
10132930	Wulff Run Sewer Replacement	$ 31,080,899
10230655	Muddy Creek Road and Rosebud Drive Sewer Replacement	$ 1,501,000
10240720	Valleyview Court Sewer Replacement	$ 1,165,000
10240725	Shaffer Avenue Sewer Replacement	$ 2,530,700
10242025	Davey Avenue to Hamilton Avenue Sewer Replacement	$ 2,194,736
10242030	Dorchester Avenue at Highland Avenue Sewer Replacement	$ 984,557
10242335	Mayflower Estates WWTP Elimination	$ 4,011,000
Construction Phase Total		**$ 55,945,561**
Projects Sub-Total		***$ 55,997,661***

2031 CIP Allowances

Allowances

PID	Description	2031 Total Requested	
Planning Phase			
10182031	Urgent Capacity Responses 2031	$	1,865,395
10199031	Program Management and Support Services 2031	$	10,981,565
10199131	Hamilton County Utility Oversight and Coordination 2031	$	5,900,426
10280251	Hydraulic Modeling Support 2031	$	3,180,934
10282031	CIP Planning 2031	$	2,000,000
10282431	Flow Monitoring Support 2031	$	2,295,046
13099999	MSD Labor	$	12,206,505
Planning Phase Total		**$**	**38,429,871**
Design/Easement Phase			
10190331	HSTS Eliminations 2031	$	7,000,000
Design/Easement Phase Total		**$**	**7,000,000**
Construction Phase			
10180131	Main Sewer Renewal Program 2031	$	8,476,763
10180231	Manhole Renewal Program 2031	$	1,372,513
10280731	Critical Asset Management 2031	$	8,302,142
10281431	Prioritized Wastewater Collection System Asset Management 2031	$	27,258,717
13090031	Programmatic Contingency 2031	$	5,000,000
Construction Phase Total		**$**	**50,410,135**
Allowances Sub-Total		***$***	***95,840,006***


METROPOLITAN
SEWER DISTRICT
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