

ADOPTED
12/12/2024, Volume 377



**METROPOLITAN
SEWER DISTRICT**
OF GREATER CINCINNATI



PROPOSED 2025 - 2029 CAPITAL IMPROVEMENT PROGRAM (CIP)

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

INCLUDING THE 2025 CIP BUDGET REQUEST

11/6/2024

Hamilton County

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



City of Cincinnati

- Mayor Aftab Pureval
- Sheryl M. M. Long, City Manager
- Natasha Hampton, Asst. 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

Managing & Contributing Staff

David Raffenberg, Superintendent, Wastewater Engineering, MSD

Teresa Brandenburg, Assistant Superintendent, Wastewater Engineering, MSD

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Todd Papes, Program Manager, Program Management Team, Stantec

Eric Evers, Graphic Designer, MSD



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.





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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.

2025 Capital Budget Request (CBR)

MSD's Capital Budget Request for 2025 reflects the capital investment needs of MSD's infrastructure system and the proposed WWIP Phase 2B foundational projects, as presented in the County's Phase 2B Initial Offer submission to the Regulators on June 28, 2024. Recognizing the significant commitments to WWIP Phase 2B projects in the coming year, 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 \$45,096,515 in capital spending for planning, design, and easement work in 2025 (specified in Exhibit A) and of \$37,874,358 in capital spending for construction in 2025 (specified in Exhibit B), with the expectation that \$446,716,883 in capital spending will be requested through the calendar year for the specific construction activities remaining in the 2025 CIP.

Exhibit A

2025 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
10142950	CSO Improvement/Elimination	East Branch Ohio River Interceptor Extension	Design	\$3,300,000
10172950	Treatment Facility	LMWWTP Electrical, Primary, and Secondary Improvements	Design	\$335,225
10172955	Treatment Facility	LMWWTP High Rate Treatment Preparation	Design	\$2,705,000
10232045	Treatment Facility	MUWWTP UV Disinfection Replacement	Design	\$495,000
10242180	Regulator Improvement	Winton Lake Aerial Sewer Structure and Weir Modifications	Design	\$100,000
10242225	Sewer Replacement	I-75 Lockland Split Sewer Rehabilitation	Design	\$435,000
			Project Total	\$7,370,225
10182025	Allowance	Urgent Capacity Response 2025	Planning	\$1,517,500
10280245	Allowance	Hydraulic Modeling Support 2025	Planning	\$2,891,790
10282025	Allowance	CIP Planning 2025	Planning	\$1,000,000
10282425	Allowance	Flow Monitoring Support 2025	Planning	\$2,120,000
10190325	Allowance	HSTS Eliminations 2025	Design	\$2,067,000
10199025	Allowance	Program Management and Support Services 2025	Planning	\$8,000,000
10199125	Allowance	Hamilton County Utility Oversight and Coordination 2025	Planning	\$4,800,000
13099999	Allowance	MSD Labor	Planning	\$9,930,000
13090000	Contingency	Programmatic Contingency	Design	\$5,400,000
			Allowance Total	\$37,726,290
			2025 Exhibit A Total	\$45,096,515



Exhibit B

2025 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
10180125	Main Sewer Renewal Program 2025	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	\$6,895,852	WWIP	January 2025
10180225	Manhole Renewal Program 2025	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	\$1,116,840	WWIP	January 2025
10281325	Prioritized Wastewater Collection System Asset Management 2025	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	\$22,174,358	Asset Management	January 2025
10280725	Critical Asset Management 2025	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. This enables MSD to respond to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.	Construction	\$7,687,308	Asset Management	January 2025
Total						\$37,874,358	

Project ID	Project Name	Planning	Design	Pre-Construction Services	Miscellaneous Expense	Right of Way	Construction	Contingency	Construction Services	Interest/Financing	Total
10180125	Main Sewer Renewal Program 2025	\$-	\$-	\$-	\$-	\$-	\$6,895,852	\$-	\$-	\$-	\$6,895,852
10180225	Manhole Renewal Program 2025	\$-	\$-	\$-	\$-	\$-	\$1,002,088	\$-	\$114,752	\$-	\$1,116,840
10281325	Prioritized Wastewater Collection System Asset Management 2025	\$-	\$-	\$-	\$-	\$-	\$19,003,532	\$-	\$3,170,826	\$-	\$22,174,358
10280725	Critical Asset Management 2025	\$-	\$-	\$-	\$-	\$-	\$7,687,308	\$-	\$-	\$-	\$7,687,308
Total		\$-	\$-	\$-	\$-	\$-	\$34,588,780	\$-	\$3,285,578	\$-	\$37,874,358





2025 CIP Projects

Annual Total \$ 529,687,756

Projects			
PID	Description		2025 Total Requested
Design/Easement Phase			
10142950	East Branch Ohio River Interceptor Extension	\$	3,300,000
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	\$	335,225
10172955	LMWWTP High Rate Treatment Preparation	\$	2,705,000
10232045	MUWWTP UV Disinfection Replacement	\$	495,000
10242180	Winton Lake Aerial Sewer Structure and Weir Modifications	\$	100,000
10242225	i-75 Lockland Split Sewer Rehabilitation	\$	435,000
Design/Easement Phase Total		\$	7,370,225
Construction Phase			
10142950	East Branch Ohio River Interceptor Extension	\$	159,850,000
10144888	MCWWTP High Rate Treatment Pump Station	\$	268,858,237
10230150	Addyston Creek and Sewer Rehab	\$	651,000
10240271	Lower Mill Creek HW/DW Protection	\$	5,963,500
10370025	Kenwood Hills Local Sewer	\$	11,394,146
Construction Phase Total		\$	446,716,883
Projects Sub-Total		\$	454,087,108

2025 CIP Allowances

Allowances

PID	Description	2025 Total Requested
Planning Phase		
10182025	Urgent Capacity Response 2025	\$ 1,517,500
10199025	Program Management and Support Services 2025	\$ 8,000,000
10199125	Hamilton County Utility Oversight and Coordination 2025	\$ 4,800,000
10280245	Hydraulic Modeling Support 2025	\$ 2,891,790
10282025	CIP Planning 2025	\$ 1,000,000
10282425	Flow Monitoring Support 2025	\$ 2,120,000
13099999	MSD Labor	\$ 9,930,000
Planning Phase Total		\$ 30,259,290
Design/Easement Phase		
10190325	HSTS Eliminations 2025	\$ 2,067,000
13090000	Programmatic Contingency	\$ 5,400,000
Design/Easement Phase Total		\$ 7,467,000
Construction Phase		
10180125	Main Sewer Renewal Program 2025	\$ 6,895,852
10180225	Manhole Renewal Program 2025	\$ 1,116,840
10280725	Critical Asset Management 2025	\$ 7,687,308
10281325	Prioritized Wastewater Collection System Asset Management 2025	\$ 22,174,358
Construction Phase Total		\$ 37,874,358
Allowances Sub-Total		\$ 75,600,648



Project Fact Sheet

10142950 - East Branch Ohio River Interceptor Extension

Project Type: CSO Improvement/Elimination
CIP Category: WWIP
Project Nomination #: 101
Sanitary Sewer #: 7265

WWTP Basin: 08 - System Wide - Multiple
Watershed: 8.00 - County Wide Project
Municipality: City of Cincinnati
Neighborhood: Queensgate

Project Intent & Description

This project proposes a collaborative partnership with the Ohio Department of Transportation (ODOT) to leverage their upcoming reconstruction of I-75 from the Western Hills Viaduct to the Ohio River as part of the Brent Spence Bridge Corridor Project. This project proposes a new storm conveyance along Gest Street to convey highway stormwater runoff by gravity from the Gest Street/Freeman Avenue Interchange of I-75 to MSD's existing McLean Avenue Sewer. MSD proposes to modify the four existing CSO overflows to the McLean Avenue Sewer to convert this sewer to storm only downstream of the proposed highway storm connection. This project will benefit MSD by removing approximately 85.5 MG of highway stormwater runoff from the combined sewer system; reducing combined sewer overflows to Mill Creek in aggregate across CSOs 430, 431, 666, 432, and 489; increasing the flow to the proposed Mill Creek Wastewater Treatment Plant (MCWWTP) high-rate treatment (HRT) facility; and laying the groundwork for a future project to convey additional flow to the HRT. Construction Costs will be reimbursed by ODOT. The project is located in Cincinnati, Hamilton County.

Project Status

Project ROW

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

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 11/09/2022

Planning Phase

Planning NTP 08/18/2023
 BCE Approved 11/14/2023

Design Phase

Design NTP 12/22/2023
 60% Design 08/15/2024
 90% Design 01/07/2025
 Construction Legislation Approval 12/11/2025
 Bid Advertisement 01/09/2026

Construction Phase

Construction NTP 03/24/2026
 Substantial Completion 07/11/2028
 Final Completion 09/09/2028

Related Projects

Predecessors: N/A

Successors: Mill Creek Influent PS and HRT

Regulatory Parameters

WWIP Compliance Date:

Adaptive Management:

WWIP Index No.:

Benefited CSOs: 430, 431, 432, 489, 666

Benefited SSOs:

Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning	\$1,000,000			\$1,000,000
Design	\$5,300,000	\$2,000,000		\$7,300,000
Pre-Construction Services				
ROW		\$1,300,000		\$1,300,000
Miscellaneous Expense	\$300,000			\$20,000
Construction		\$146,350,000		\$146,350,000
Construction Services		\$13,500,000		\$13,500,000
Total	\$6,600,000	\$163,150,000		\$169,470,000

Project Fact Sheet

10144888 - MCWWTP High Rate Treatment Pump Station

Project Type: Treatment Facility

WWTP Basin: 04 - Mill Creek

CIP Category: WWIP

Watershed: 4.17 - Central

Project Nomination #:
Municipality: City of Cincinnati

Sanitary Sewer #: 6793

Neighborhood: Lower Price Hill

Project Intent & Description

This project will replace the Mill Creek Pump Station that has been in continuous operation since 1959, but that is now functionally obsolete. This system currently provides a total firm influent pumping capacity of 430 million gallons per day (MGD), but it suffers from reliability problems inherent to the original design. It cannot be expanded to add capacity, and it cannot be taken off-line for necessary upgrades or repairs without a long-term bypass of the treatment plant and significant environmental degradation. This project will replace the aging pump station by constructing a new 700 MGD pump station that will be designed to serve both the Mill Creek WWTP and a future co-located high-rate treatment facility (HRT). The construction project will allow for an upgrade to the plant disinfection system to meet more extensive OEPA-required disinfection. This is the second of three construction projects at the Mill Creek WWTP that are meant to address WWIP Index 248. The project is located at the Mill Creek Wastewater Treatment Plant facility, in the City of Cincinnati's Lower Price Hill Neighborhood, Hamilton County.

Project Status

Project ROW

Legislative Phase Request: Construction Phase

None

Project Delivery Method: Design-Build

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

None.

Nomination Approved (SG1)

Planning Phase

Related Projects

 Planning NTP
BCE Approved

01/11/2022

Predecessors:

Design Phase

 Design NTP
60% Design
90% Design

 06/23/2023
01/24/2025
10/30/2025

Successors:

Regulatory Parameters

 Construction Legislation Approval
Bid Advertisement

09/25/2025

WWIP Compliance Date:
Adaptive Management:
WWIP Index No.:

Construction Phase

 Construction NTP
Substantial Completion
Final Completion

 09/25/2025
12/17/2031
07/13/2032

Benefited CSOs:
Benefited SSOs:
Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning			
Design	\$19,423,076		\$19,423,076
Pre-Construction Services			
ROW			
Miscellaneous Expense	\$2,000,000		\$2,000,000
Construction	\$13,000,000	\$268,858,237	\$281,858,237
Construction Services	\$2,000,000		\$2,000,000
Total	\$36,423,076	\$268,858,237	\$305,281,313

Project Fact Sheet

10172950 - LMWWTP Electrical, Primary, and Secondary Improvements

Project Type: Treatment Facility
CIP Category: WWIP
Project Nomination #: 94
Sanitary Sewer #: 7188

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

Project Intent & Description

At the Little Miami WWTP, all wet weather flow above 55 million gallons per day (MGD) is screened, pumped, and then discharged to the Ohio River without further treatment. In 2022, the Little Miami WWTP HRT and Bundle Update Business Case Evaluation (BCE) was completed. This BCE recommended the construction of a 115 million gallon per day (MGD) high-rate treatment facility (HRT) and various upgrades to the WWTP to increase biological secondary treatment capacity from 55 MGD to 100 MGD. This project includes upgrades at primary and secondary treatment processes to support increased treatment capacity from 55 MGD to 100 MGD through secondary. This project also includes replacement of electrical equipment that is beyond its useful life, in preparation for the HRT. Pumping modifications that are required to deliver increased flow to secondary will be completed as a part of the HRT project. This project is included in the East End neighborhood in the City of Cincinnati, Hamilton County, Ohio.

Project Status

Project ROW

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

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 07/06/2022

Planning Phase

Planning NTP
 BCE Approved

Design Phase

Design NTP 06/11/2024
 60% Design 01/16/2026
 90% Design 04/17/2026
 Construction Legislation Approval 10/29/2026
 Bid Advertisement 11/25/2026

Construction Phase

Construction NTP 02/10/2027
 Substantial Completion 10/27/2029
 Final Completion 01/25/2030

Related Projects

Predecessors: N/A

Successors: LMWWTP HRT Preparation, LMWWTP HRT Facility, Plant Pumping, and Disinfection Upgrade

Regulatory Parameters

WWIP Compliance Date:

Adaptive Management: Yes

WWIP Index No.: 195, 195R, 196, 197, 197R, 198, 199, 200, 200N, 200R, 201, 202, 203, 204, 205, 206

Benefited CSOs:

Benefited SSOs:

Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning				
Design	\$2,770,000	\$335,225		\$3,105,225
Pre-Construction Services				
ROW				
Miscellaneous Expense	\$456,800			\$456,800
Construction			\$50,840,100	\$50,840,100
Construction Services			\$7,888,500	\$7,888,500
Total	\$3,226,800	\$335,225	\$58,728,600	\$62,290,625

Project Fact Sheet

10172955 - LMWWTP High Rate Treatment Preparation

Project Type: Treatment Facility

WWTP Basin: 07 - Little Miami

CIP Category: WWIP

Watershed: 7.04 - Lower Duck Creek

Project Nomination #: 95

Municipality: City of Cincinnati

Sanitary Sewer #: 7189

Neighborhood: East End

Project Intent & Description

At the Little Miami WWTP, all wet weather flow above 55 million gallons per day (MGD) is screened, pumped, and discharged to the Ohio River without further treatment. In 2022, the Little Miami WWTP HRT and Bundle Update Business Case Evaluation (BCE) recommended the construction of a 115 million gallon per day (MGD) high-rate treatment facility (HRT) and various upgrades to the WWTP to increase biological secondary treatment capacity from 55 MGD to 100 MGD. This project was identified in the BCE as a necessary precursor to the HRT project. To prepare for the HRT construction demolition of the decommissioned incineration building, the maintenance building, and the soon-to-be decommissioned solids handling buildings is required. This project includes site work required to prepare for the construction of the HRT, which may include demolition of decommissioned facilities, relocation of utilities, creation of laydown areas, geotechnical work, and environmental remediation work, as needed. Additionally, this project includes construction of an electrical building for the proposed HRT. This project is included in the East End neighborhood in the City of Cincinnati, Hamilton County.

Project Status

Project ROW

Legislative Phase Request: Design Phase

N/A

Project Delivery Method: Design-Bid-Build

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

N/A

Nomination Approved (SG1)

07/06/2022

Planning Phase

Planning NTP

BCE Approved

Design Phase

Design NTP

07/28/2025

60% Design

04/22/2026

90% Design

10/08/2026

Construction Legislation Approval

02/25/2027

Bid Advertisement

03/24/2027

Construction Phase

Construction NTP

06/04/2027

Substantial Completion

11/20/2029

Final Completion

02/18/2030

Related Projects

Predecessors: LMWWTP Solids Handling and Odor Control

Successors: LMWWTP HRT Facility, Plant Pumping, and Disinfection Upgrade

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management: Yes

WWIP Index No.: 195, 195R, 196, 197, 197R, 198, 199, 200, 200N, 200R, 201, 202, 203, 204, 205, 206

Benefited CSOs:
Benefited SSOs:
Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning

Design

\$2,142,800

\$2,142,800

Pre-Construction Services

ROW

Miscellaneous Expense

\$562,200

\$562,200

Construction

\$39,521,200

\$39,521,200

Construction Services

\$6,132,300

\$6,132,300

Total
\$0
\$2,705,000
\$45,653,500
\$48,358,500

Project Fact Sheet

10230150 - Addyston Creek and Sewer Rehab

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

The West Fork Muddy Creek has experienced significant erosion, causing repeated damage to the existing 12-inch diameter concrete sewer, installed in the 1980s. Multiple repairs have been undertaken since 2010 to address these ongoing issues. This project aims to construct approximately 588 feet of new 21-inch diameter sewer pipe on the east side of the creek, within the Addyston Creek and Sewer Rehab project area. Upon completion of the new sewer, the existing, damaged pipes will be filled, sealed, and abandoned. The project site is located between Church Street and 1st Street in the Village of Addyston, within the Muddy Creek Basin.

Project Status

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

Project ROW

Ownership of a retaining wall has prevented ROW from moving forward. Additionally, new 95% plans and specs need to be developed before moving forward.

Project Schedule

Forecast/Actual

Permitting Needs

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	11/27/2025
Bid Advertisement	12/26/2025

Construction Phase

Construction NTP	03/13/2026
Substantial Completion	03/13/2027
Final Completion	05/12/2027

1. Street Opening Permit from Hamilton County/Addyston
2. Ohio EPA PTI.
3. Addyston Building Permit for retaining wall

Related Projects

Predecessors:

Successors:

Regulatory Parameters

WWIP Compliance Date:

Adaptive Management: No

WWIP Index No.:

Benefited CSOs:

Benefited SSOs:

Benefited PSOs:

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

Project Fact Sheet

10232045 - MUWWTP UV Disinfection Replacement

Project Type: Treatment Facility

WWTP Basin: 03 - Muddy Creek

CIP Category: Asset Management

Watershed: 3.01 - Lower Muddy Creek

Project Nomination #: 102

Municipality: City of Cincinnati

Sanitary Sewer #: 7216

Neighborhood: Saylor Park

Project Intent & Description

The Muddy Creek Wastewater Treatment Plant (MUWWTP) utilizes an ultraviolet radiation (UV) system to disinfect secondary effluent before discharging to the Ohio River. In this process specially made lamps emit UV light within a specific wavelength range. Exposure to UV at the correct dosage damages the DNA and RNA of microorganisms preventing cell synthesis and division. The existing system was installed in 2002 and it is beyond its estimated useful life and obsolete. The manufacturer, Trojan technologies, no longer supports the installed Trojan UV 4000 model. While consumables like lamps, sleeves, and ballast are still available for purchase, other critical replacement parts will only be available for a limited time as supplies last.

Project Status

Project ROW

Legislative Phase Request: Design Phase

Project Delivery Method: Design-Bid-Build

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1)

Planning Phase

 Planning NTP
 BCE Approved

 04/23/2025
 10/01/2025

Design Phase

 Design NTP
 60% Design
 90% Design

 11/13/2025
 12/07/2026
 06/28/2027

 Construction Legislation Approval
 Bid Advertisement

 11/18/2027
 12/16/2027

Construction Phase

 Construction NTP
 Substantial Completion
 Final Completion

 03/01/2028
 06/30/2029
 08/29/2029

Related Projects

Predecessors: N/A

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management:
WWIP Index No.:
Benefited CSOs:
Benefited SSOs:
Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning	\$245,000			\$245,000
Design		\$385,000		\$385,000
Pre-Construction Services				
ROW				
Miscellaneous Expense		\$110,000		\$110,000
Construction			\$3,760,000	\$3,760,000
Construction Services			\$773,000	\$773,000
Total	\$245,000	\$495,000	\$4,533,000	\$5,273,000

Project Fact Sheet

10240271 - Lower Mill Creek HW/DW Protection

Project Type: Regulator Improvement

WWTP Basin: 04 - Mill Creek

CIP Category: Other

Watershed: 4.17 - Central

Project Nomination #:
Municipality: City of Cincinnati

Sanitary Sewer #: NEED TO UPDATE

Neighborhood: Lower Price Hill

Project Intent & Description

The Lower Mill Creek HW/DW Protection project aims to enhance environmental protection and infrastructure reliability within the Mill Creek Drainage Basin. By improving site accessibility, rehabilitating and replacing compromised outfall pipes, and implementing backflow prevention measures at CSOs 422, 452/453, and 459/460, this project will mitigate the discharge of combined sewer overflow into the Mill Creek. Currently, these outfalls lack adequate access and protection, resulting in substantial volumes of river water being unnecessarily processed by the wastewater treatment plant. Successful project execution requires close collaboration with Cincinnati DOTE, City Parks and Recreation, and Greater Cincinnati Water Works. The project is located in the Sedamsville and East End neighborhoods of Cincinnati.

Project Status

Project ROW

Legislative Phase Request: Construction Phase

MOU with Parks.

Project Delivery Method: Design-Bid-Build

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1)

Street Opening Permit from CDOTE and Permit to Install from OEPA are required for this project, NWP

Planning Phase

 Planning NTP
BCE Approved

Related Projects

Predecessors:

Design Phase

Design NTP	03/30/2020
60% Design	08/30/2021
90% Design	07/29/2022
Construction Legislation Approval	02/27/2025
Bid Advertisement	03/26/2025

Successors:

Regulatory Parameters

WWIP Compliance Date:
Adaptive Management:
WWIP Index No.:

Construction Phase

Construction NTP	06/11/2025
Substantial Completion	06/11/2026
Final Completion	08/10/2026

Benefited CSOs:
Benefited SSOs:
Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning	\$375,000			\$375,000
Design	\$1,050,000			\$1,050,000
Pre-Construction Services	\$840,000			\$21,548
ROW	\$22,900			\$22,900
Miscellaneous Expense	\$292,100			\$292,100
Construction		\$5,648,900		\$5,648,900
Construction Services		\$314,600		\$314,600
Total	\$2,580,000	\$5,963,500		\$7,725,048

Project Fact Sheet

10242180 - Winton Lake Aerial Sewer Structure and Weir Modifications

Project Type: Regulator Improvement

WWTP Basin: 04 - Mill Creek

CIP Category: Asset Management

Watershed: 4.05 - West Branch Winton Woods

Project Nomination #: 78

Municipality: Springfield Township

Sanitary Sewer #: 34912007

Neighborhood: Inside Ham County/Outside City

Project Intent & Description

The project will modify or replace a tall, structural weir and adjust hydraulic grade line (HGL) within structure/manhole No. 34912007. The existing weir elevation is higher than an upstream connected manhole rim elevation. The project will also investigate and modify the system as necessary near aerial sewer 31703007-31706017 to ensure the appropriate HGL is maintained in the system during high water elevation events in Winton Lake.

Project Status

Project ROW

Legislative Phase Request: Design Phase

Project Delivery Method:

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 10/06/2021

Planning Phase

 Planning NTP 05/02/2024
 BCE Approved 11/14/2024

Design Phase

 Design NTP 03/10/2025
 60% Design 06/09/2025
 90% Design 11/04/2025
 Construction Legislation Approval 03/26/2026
 Bid Advertisement 04/22/2026

Construction Phase

 Construction NTP 07/06/2026
 Substantial Completion 01/02/2027
 Final Completion 03/03/2027

Related Projects

Predecessors: 12240115 Winton Woods Diversion Gate Replacement
 10240395 Winton Woods Diversion Gate Replacement

Successors: N/A

Regulatory Parameters

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

Benefited CSOs:
Benefited SSOs:
Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning	\$110,000		
Design		\$80,000	\$80,000
Pre-Construction Services			
ROW		\$10,000	\$10,000
Miscellaneous Expense		\$10,000	\$10,000
Construction			\$150,000
Construction Services			\$20,000
Total	\$110,000	\$100,000	\$170,000

Project Fact Sheet

10242225 - I-75 Lockland Split Sewer Rehabilitation

Project Type: Sewer Replacement
CIP Category: Asset Management
Project Nomination #: 115
Sanitary Sewer #: 7266

WWTP Basin: 04 - Mill Creek
Watershed: 4.01 - New Baltimore
Municipality: Multiple
Neighborhood: City Wide

Project Intent & Description

The Ohio Department of Transportation (ODOT) plans to demolish the northbound lanes of Interstate 75 (I-75) along Mill Creek, from Ronald Reagan Cross County Highway to Shepherd Lane, an area known as "the Lockland Split", and relocate them parallel with the existing southbound lanes. Many existing concrete sewers constructed in 1932 are underneath the southbound lanes of I-75 and have been identified as being at high or extreme risk of failure and need to be replaced. Maintenance of these sewers cannot be performed as they are inaccessible as most manholes are buried by the pavement. It is anticipated that approximately 3,850 feet of the existing 30-inch and 33-inch sewer underneath the highway will be relocated outside the I-75 pavement. This will reduce the risk of complete failure and improve access for better maintenance strategies. The project area covers the jurisdictions of Lockland, Reading, Sycamore Township, Arlington Heights, and the City of Cincinnati neighborhoods of Hartwell and Roselawn.

Project Status

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

Project ROW

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 10/25/2023

Planning Phase

Planning NTP 07/03/2024
 BCE Approved 01/20/2025

Design Phase

Design NTP 01/26/2026
 60% Design 02/22/2027
 90% Design 09/20/2027
 Construction Legislation Approval 08/30/2029
 Bid Advertisement 09/27/2029

Construction Phase

Construction NTP 12/12/2029
 Substantial Completion 04/14/2031
 Final Completion 06/13/2031

Related Projects

Predecessors: N/A (with respect to MSD projects)

Successors: N/A

Regulatory Parameters

WWIP Compliance Date:

Adaptive Management: No

WWIP Index No.: N/A

Benefited CSOs:

Benefited SSOs: 572

Benefited PSOs:

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning				
Design		\$435,000		\$435,000
Pre-Construction Services				
ROW				
Miscellaneous Expense				
Construction			\$5,810,000	\$5,810,000
Construction Services			\$100,000	\$100,000
Total	\$0	\$435,000	\$5,910,000	\$6,345,000



Project Fact Sheet

10370025 - Kenwood Hills Local Sewer

Project Type: Home Sewage Treatment Systems

WWTP Basin: 07 - Little Miami

CIP Category: WWIP

Watershed: 7.01 - Upper Duck Creek

Project Nomination #:

Municipality: City of Madeira

Sanitary Sewer #: 5933

Neighborhood: Inside Ham County/Outside City

Project Intent & Description

This project will construct approximately 12,500 feet of gravity sewer and low-pressure force mains in the Carriage Hill and Kenwood Hills subdivisions in the City of Madeira, Hamilton County, Ohio.

Project Status	Project ROW
Legislative Phase Request: Construction Phase Project Delivery Method: Design-Bid-Build	N/A

Project Schedule	Forecast/Actual	Permitting Needs
Nomination Phase		
Nomination Approved (SG1)		PTI and street opening permit from City of Madeira will be necessary.
Planning Phase		
Planning NTP		Related Projects
BCE Approved		
Design Phase		Regulatory Parameters
Design NTP	12/27/2023	
60% Design	12/19/2019	WWIP Compliance Date:
90% Design	06/12/2020	
Construction Legislation Approval	09/25/2025	Adaptive Management:
Bid Advertisement	10/22/2025	
Construction Phase		WWIP Index No.:
Construction NTP	01/07/2026	
Substantial Completion	05/02/2027	
Final Completion	07/01/2027	Benefited CSOs: 656
		Benefited SSOs:
		Benefited PSOs:

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning				
Design	\$366,390			\$366,390
Pre-Construction Services	\$103,206			\$38,837
ROW	\$274,076			\$274,076
Miscellaneous Expense	\$231,220			\$231,220
Construction		\$11,327,000		\$11,327,000
Construction Services		\$67,146		\$67,146
Total	\$974,892	\$11,394,146		\$12,304,669

2025 Allowance Fact Sheet

ID - Name	CIP Description	Budget
10280725 - Critical Asset Management 2025	This allowance funds emergency repair or replacement of failed or significantly degraded capital assets, including the structures and building control systems that protect the assets. This enables MSD to respond to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.	\$7,687,308
10281325 - Prioritized Wastewater Collection System Asset Management 2025	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.	\$22,174,358
10190325 - HSTS Eliminations 2025	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.	\$2,067,000
10180125 - Main Sewer Renewal Program 2025	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.	\$6,895,852
10180225 - Manhole Renewal Program 2025	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.	\$1,116,840
10182025 - Urgent Capacity Response 2025	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.	\$1,517,500

2025 Allowance Fact Sheet (continued)

ID - Name	CIP Description	Budget
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.)	\$9,930,000
10280245 - Hydraulic Modeling Support 2025	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 50 project-specific meters at a base cost of \$24,000 per meter.	\$2,891,790
10282025 - CIP Planning 2025	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 facility-, watershed-, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers, costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.	\$1,000,000
10282425 - Flow Monitoring Support 2025	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 \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.	\$2,120,000
10199025 - Program Management and Support Services 2025	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.	\$8,000,000

2025 Allowance Fact Sheet (continued)

ID - Name	CIP Description	Budget
10199125 - Hamilton County Utility Oversight and Coordination 2025	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.	\$4,800,000
13090000 - Programmatic Contingency	Programmatic Contingency is calculated based on 7.5% of the forward-looking 3-year average of the estimated cashflow for all active traditional delivery projects (this calculation excludes alternative delivery projects and all allowances.) The outyears have been set at a historical baseline of \$5 million and will be adjusted annually. Costs are allocated to specific capital projects as they are expended for the purposes of additional necessary funding for planning/design/construction services, for approved change requests/change orders, and for the funding of construction contracts where the lowest awarded bid amount exceeds prior legislated funding but is less than 120% of the Engineer's Estimate (Ohio requirement for award of bid).	\$5,400,000
Grand Total		\$75,600,648

2026 CIP Projects

Annual Total \$ 222,767,907

Projects

PID	Description	2026 Total Requested
Planning Phase		
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$ 64,000
10272100	Chandler Street Sewer Improvements	\$ 415,000
Planning Phase Total		\$ 479,000
Design/Easement Phase		
10145680	CSO 24 Regulator Improvements	\$ 418,000
10240640	MCWWTP Dewatering Building Improvements	\$ 20,628,000
10240790	Clifton Avenue at Parker Street Sewer Replacement	\$ 240,000
10242155	Morrison Avenue Sewer Replacement	\$ 390,000
10242185	Anthony to Innes Sewer Replacement	\$ 679,000
10242190	Bold Face Pump Station Study	\$ 2,486,700
10272090	Delta Ave at Linwood Ave Sewer Replacement	\$ 539,000
Design/Easement Phase Total		\$ 25,380,700
Construction Phase		
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	\$ 58,728,600
10222010	TCWWTP Aeration Basin Conversion	\$ 9,648,300
10230090	Barrington Hills, Barrington Hills BLK. F, Gil Volz, and Kirkridge Acres P.S. Eliminations	\$ 9,992,400
10240320	Wilder Avenue Sewer Replacement	\$ 679,700
10240426	Pleasant Run Pump Station Upgrades	\$ 29,179,000
10240725	Shaffer Avenue Sewer Replacement	\$ 2,531,000
10240740	Tennessee Avenue (HN 1754) Sewer Replacement	\$ 313,275
10240875	Ledgewood Ave Sewer Replacement	\$ 4,891,416
10242180	Winton Lake Aerial Sewer Structure and Weir Modifications	\$ 170,000
10270110	Linwood Avenue Sewer Replacement	\$ 733,500
10270155	Paxton Avenue Sewer Rehabilitation	\$ 2,862,000
Construction Phase Total		\$ 119,729,191
Projects Sub-Total		\$ 145,109,891

2026 CIP Allowances

Allowances

Planning Phase

10182026	Urgent Capacity Response 2026	\$	1,570,612
10199026	Program Management and Support Services 2026	\$	8,280,000
10199126	Hamilton County Utility Oversight and Coordination 2026	\$	4,968,000
10280246	Hydraulic Modeling Support 2026	\$	2,993,003
10282026	CIP Planning 2026	\$	1,035,000
10282426	Flow Monitoring Support 2026	\$	2,194,200
13099999	MSD Labor	\$	10,277,550

Planning Phase Total **\$ 31,318,365**

Design/Easement Phase

10190326	HSTS Eliminations 2026	\$	2,140,000
13090000	Programmatic Contingency	\$	5,000,000

Design/Easement Phase Total **\$ 7,140,000**

Construction Phase

10180126	Main Sewer Renewal Program 2026	\$	7,137,207
10180226	Manhole Renewal Program 2026	\$	1,155,619
10280726	Critical Asset Management 2026	\$	7,956,364
10281326	Prioritized Wastewater Collection System Asset Management 2026	\$	22,950,461

Construction Phase Total **\$ 39,199,651**

Allowances Sub-Total **\$ 77,658,016**

2027 CIP Projects

Annual Total \$ 190,628,061

Projects

PID	Description	2027 Total Requested
Planning Phase		
10145700	Pictoria Drive Sewer Conveyance Improvements	\$ 265,000
10242130	MCWWTP Primary Settling Electrical Equipment Replacement	\$ 219,000
10242200	Walnut Hills Cemetery Sewer Replacement	\$ 210,000
Planning Phase Total		\$ 694,000
Design/Easement Phase		
10130566	Muddy Creek WWTP Pump Station	\$ 1,865,000
10172960	LMWWTP HRT Facility	\$ 24,662,500
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$ 104,000
10272100	Chandler Street Sewer Improvements	\$ 1,124,000
Design/Easement Phase Total		\$ 27,755,500
Construction Phase		
10130161	Muddy Creek PSU & Force Main	\$ 9,871,000
10172955	LMWWTP High Rate Treatment Preparation	\$ 45,653,500
10222005	Colerain-Bevis Pump Station Replacement	\$ 4,750,000
10232045	MUWWTP UV Disinfection Replacement	\$ 4,533,000
10240275	SSO 603 and 704 Improvements	\$ 5,238,600
10240780	Galbraith Rd to Sheldon Avenue Sewer Replacement	\$ 652,742
10242085	Village Woods Pump Station and System Improvements	\$ 740,600
10242140	MCWWTP Dewatering Building Odor Control	\$ 2,301,300
10252035	East Loveland Ave Sewer Replacement Phase 2	\$ 858,000
10262015	SCWWTP Secondary Clarifier Upgrade	\$ 5,340,000
10272025	Wasson Ravine Sewer Replacement	\$ 2,038,000
Construction Phase Total		\$ 81,976,742
Projects Sub-Total		\$ 110,426,242

2027 CIP Allowances

Allowances

Planning Phase

10182027	Urgent Capacity Response 2027	\$	1,625,584
10199027	Program Management and Support Services 2027	\$	8,569,800
10199127	Hamilton County Utility Oversight and Coordination 2027	\$	5,141,880
10280247	Hydraulic Modeling 2027	\$	3,097,759
10282027	CIP Planning 2027	\$	1,071,225
10282427	Flow Monitoring Support 2027	\$	2,270,997
13099999	MSD Labor	\$	10,637,264
Planning Phase Total		\$	32,414,509

Design/Easement Phase

10190327	HSTS Eliminations 2027	\$	2,215,000
13090000	Programmatic Contingency	\$	5,000,000
Design/Easement Phase Total		\$	7,215,000

Construction Phase

10180127	Main Sewer Renewal Program 2027	\$	7,387,010
10180227	Manhole Renewal Program 2027	\$	1,196,066
10280727	Critical Asset Management 2027	\$	8,234,837
10281327	Prioritized Wastewater Collection System Asset Management 2027	\$	23,754,397
Construction Phase Total		\$	40,572,310

Allowances Sub-Total

\$ 80,201,819

2028 CIP Projects

Annual Total \$ **130,936,642**

Projects

PID	Description	2028 Total Requested
Design/Easement Phase		
10145700	Pictoria Drive Sewer Conveyance Improvements	\$ 1,696,000
10240845	Taft Road & McMillan Street Sewer Replacement	\$ 939,200
10242130	MCWWTP Primary Settling Electrical Equipment Replacement	\$ 506,000
10242200	Walnut Hills Cemetery Sewer Replacement	\$ 400,000
Design/Easement Phase Total		\$ 3,541,200
Construction Phase		
10130280	Addyston Pump Station Elimination	\$ 11,141,000
10172095	CSO 182 Strategic Sewer Separation	\$ 5,478,623
10230655	Muddy Creek Road and Rosebud Drive Sewer Replacement	\$ 452,000
10232030	Rapid Run and Foley Road PS Receiver Manhole Installation	\$ 274,900
10240200	Harvey Ave-Hickman Ave Sewer Replacement	\$ 1,440,000
10240525	Victory Parkway Sewer Rehabilitation	\$ 2,450,000
10240765	Fyffe Avenue Sewer	\$ 1,378,000
10240790	Clifton Avenue at Parker Street Sewer Replacement	\$ 591,000
10242025	Davey Avenue to Hamilton Avenue Sewer Replacement	\$ 1,141,336
10242105	Loth Street (HN 2272) Sewer Relocation and Rehab	\$ 258,000
10242155	Morrison Avenue Sewer Replacement	\$ 1,950,000
10270225	Elsmere Avenue from Slane to Lafayette Sewer Replacement	\$ 8,222,300
10272050	Wayside Hills Pump Station	\$ 1,470,000
10272075	Wayside Avenue and Colter Avenue Sewer Improvements	\$ 1,470,800
10272080	Madison Rd and Edwards Rd Sewer Improvements	\$ 2,794,125
10272090	Delta Ave at Linwood Ave Sewer Replacement	\$ 4,050,000
Construction Phase Total		\$ 44,562,084
Projects Sub-Total		\$ 48,103,284

2028 CIP Allowances

Allowances

Planning Phase

10182028	Urgent Capacity Response 2028	\$	1,682,480
10199028	Program Management and Support Services 2028	\$	8,869,743
10199128	Hamilton County Utility Oversight and Coordination 2028	\$	5,321,846
10280248	Hydraulic Modeling 2028	\$	3,206,181
10282028	CIP Planning 2028	\$	1,108,718
10282428	Flow Monitoring Support 2028	\$	2,350,482
13099999	MSD Labor	\$	11,009,568
Planning Phase Total		\$	33,549,018

Design/Easement Phase

10190328	HSTS Eliminations 2028	\$	2,292,000
13090000	Programmatic Contingency	\$	5,000,000
Design/Easement Phase Total		\$	7,292,000

Construction Phase

10180128	Main Sewer Renewal Program 2028	\$	7,645,555
10180228	Manhole Renewal Program 2028	\$	1,237,928
10280728	Critical Asset Management 2028	\$	8,523,057
10281328	Prioritized Wastewater Collection System Asset Management 2028	\$	24,585,800
Construction Phase Total		\$	41,992,340

Allowances Sub-Total

\$ 82,833,358

2029 CIP Projects

Annual Total \$ 314,390,302

Projects

PID	Description	2029 Total Requested
Construction Phase		
10132930	Wulff Run Sewer Replacement	\$ 28,394,100
10145680	CSO 24 Regulator Improvements	\$ 2,759,000
10230170	Harrison Avenue North and South Hydraulic Improvements	\$ 4,686,310
10240640	MCWWTP Dewatering Building Improvements	\$ 152,617,000
10242110	Central Avenue and W 9th Street Sewer	\$ 1,497,000
10242125	Sycamore Street Sewer	\$ 1,930,000
10242185	Anthony to Innes Sewer Replacement	\$ 3,689,000
10242190	Bold Face Pump Station Study	\$ 27,057,000
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$ 595,000
10242225	I-75 Lockland Split Sewer Rehabilitation	\$ 5,910,000
Construction Phase Total		\$ 229,134,410
Projects Sub-Total		\$ 229,134,410

2029 CIP Allowances

Allowances

Planning Phase

10182029	Urgent Capacity Responses 2029	\$	1,741,366
10199029	Program Management and Support Services 2029	\$	9,180,184
10199129	Hamilton County Utility Oversight and Coordination 2029	\$	5,508,110
10280249	Hydraulic Modeling 2029	\$	3,315,292
10282029	CIP Planning 2029	\$	1,147,523
10282429	Flow Monitoring Support 2029	\$	2,432,749
13099999	MSD Labor	\$	11,394,903
Planning Phase Total		\$	34,720,127

Design/Easement Phase

10190329	HSTS Eliminations 2029	\$	2,372,000
13090000	Programmatic Contingency	\$	5,000,000
Design/Easement Phase Total		\$	7,372,000

Construction Phase

10180129	Main Sewer Renewal Program 2029	\$	7,913,149
10180229	Manhole Renewal Program 2029	\$	1,281,255
10280729	Critical Asset Management 2029	\$	8,523,058
10281329	Prioritized Wastewater Collection System Asset Management 2029	\$	25,446,303
Construction Phase Total		\$	43,163,765

Allowances Sub-Total

\$ 85,255,892



CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of resolutions adopted by the Board of County Commissioners in session this _____ day of _____, 2024.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the Office of the Board of County Commissioners of Hamilton County, Ohio this _____ day of _____, 2024.

Leslie R. Hervey, Clerk
Board of County Commissioners
Hamilton County, Ohio