

**ADOPTED**  
12/18/25 | Volume 381



# **PROPOSED 2026 - 2030 CAPITAL IMPROVEMENT PROGRAM (CIP)**

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

## **INCLUDING THE 2026 CIP BUDGET REQUEST**

12/5/2025



## Hamilton County

- Commissioner Denise Driehaus, President
- Commissioner Stephanie Summerow Dumas, Vice President
- Commissioner Alicia Reece
- 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

### Managing & Contributing Staff

- Teresa Brandenburg, Assistant Superintendent, Wastewater Engineering, MSD
- John Barton, Capital Planning Manager, Wastewater Engineering, MSD
- Matt Spidare, Principal Engineer, Wastewater Engineering, MSD
- Tony Yee, Principal Engineer, 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.



# 2026 Capital Budget Request (CBR)

MSD's Capital Budget Request for 2026 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 \$40,218,465 in capital spending for planning, design, and easement work in 2026 (specified in Exhibit A) and of \$44,199,651 in capital spending for construction in 2026 (specified in Exhibit B), with the expectation that \$69,186,521 in capital spending will be requested through the calendar year for the specific construction activities remaining in the 2026 CIP.

The out-year projects (2027-2030) and estimated projected budgets are subject to change based on ongoing engineering efforts and affordability considerations. These out-year projects are included in the 2026-2030 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 2026-2030 CIP.

Exhibit A

2026 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
10130280	Pump Station Elimination	Addyston Pump Station Elimination	Design	\$1,321,000
10172950	Treatment Facility	LMWWTP Electrical, Primary, and Secondary Improvements	Design	\$510,000
10172960	Treatment Facility	LMWWTP HRT Facility	Planning	\$216,000
10222010	Treatment Facility	TCWWTP Aeration Basin Conversion	Design	\$733,800
10232030	Pump Station Improvement	Rapid Run and Foley Road PS Receiver Manhole Installation	Design	\$423,600
10242190	Pump Station Improvement	Bold Face Pump Station	Design	\$2,486,700
10242245	Sewer Replacement	Ross Avenue and Globe Avenue Sewer Improvements	Planning	\$134,000
10262015	Treatment Facility	SCWWTP Secondary Clarifier Upgrade	Design	\$456,000
10272095	Treatment Facility	Little Miami Interceptor Sluice Gate Replacement and Relocation	Planning	\$64,000
10272100	Sewer Separation	Chandler Street Sewer Improvements	Planning	\$415,000
			Project Total	\$6,760,100

Project ID ▲	Project Type	Project Name	Project Phase(s)	P/D/E Requested
10182026	Allowance	Urgent Capacity Response 2026	Planning	\$1,570,612
10190326	Allowance	HSTS Eliminations 2026	Design	\$2,140,000
10199026	Allowance	Program Management and Support Services 2026	Planning	\$8,280,000
10199126	Allowance	Hamilton County Utility Oversight and Coordination 2026	Planning	\$4,968,000
10280246	Allowance	Hydraulic Modeling Support 2026	Planning	\$2,993,003
10282026	Allowance	CIP Planning 2026	Planning	\$1,035,000
10282426	Allowance	Flow Monitoring Support 2026	Planning	\$2,194,200
13099999	Allowance	MSD LABOR	Planning	\$10,277,550
			Allowance Total	\$33,458,365

2026 Exhibit A Total	\$40,218,465
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Exhibit B

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

ID	Project Name	Location	Explanation/Description	Legislation Type	Current Request	CIP Type	Project Start
10180126	Main Sewer Renewal Program 2026	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	\$7,137,207	WWIP	January 2026
10180226	Manhole Renewal Program 2026	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	\$1,155,619	WWIP	January 2026
10280726	Critical Asset Management 2026	Systemwide	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.	Construction	\$7,956,364	Asset Management	January 2026
10281326	Prioritized Wastewater Collection System Asset Management 2026	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 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 lifecycle cost.	Construction	\$22,950,461	Asset Management	January 2026
13090026	Programmatic Contingency 2026	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 2026
Total						\$44,199,651	



# 2026 CIP Projects

## Projects

Annual Total \$ 153,604,637

PID

Description

2026 Total Requested

### Planning Phase

10172960	LMWWTP HRT Facility	\$	216,000
10242245	Ross Avenue and Globe Avenue Sewer Improvements	\$	134,000
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$	64,000
10272100	Chandler Street Sewer Improvements	\$	415,000

**Planning Phase Total** \$ **829,000**

### Design/Easement Phase

10130280	Addyston Pump Station Elimination	\$	1,321,000
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	\$	510,000
10222010	TCWWTP Aeration Basin Conversion	\$	733,800
10232030	Rapid Run and Foley Road PS Receiver Manhole Installation	\$	423,600
10242190	Bold Face Pump Station	\$	2,486,700
10262015	SCWWTP Secondary Clarifier Upgrade	\$	456,000

**Design/Easement Phase Total** \$ **5,931,100**

### Construction Phase

10142951	EBORI Extension CSO 489 and 432 Separation	\$	33,320,922
10230090	Barrington Hills, Barrington Hills BLK. F, Gil Volz, and Kirkridge Acres P.S. Eliminations	\$	9,992,400
10230130	Dry Weather Channel for SS 937	\$	3,727,000
10230150	Addyston Creek and Sewer Rehab	\$	651,000
10240735	De Votie Avenue Sewer Replacement	\$	1,126,000
10240740	Tennessee Avenue (HN 1754) Sewer Replacement	\$	313,275
10240775	Gilbert Avenue at Casino Sewer Replacement	\$	7,273,000
10240795	Central to McMicken at Stark St Sewer Replacement	\$	2,755,143
10242180	Winton Lake Aerial Sewer Structure and Weir Modifications	\$	64,302
10242225	I-75 Lockland Split Sewer Rehabilitation	\$	5,910,000
10270026	Camargo Canyon Pump Station Elimination	\$	1,256,000
10281100	LMWWTP Solids Disposal With Odor Control	\$	2,797,479

**Construction Phase Total** \$ **69,186,521**

## Projects Sub-Total

\$ 75,946,621

# 2026 CIP Allowances

## Allowances

PID	Description	2026 Total Requested	
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
Design/Easement Phase Total		\$	2,140,000
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
13090026	Programmatic Contingency 2026	\$	5,000,000
Construction Phase Total		\$	44,199,651
Allowances Sub-Total		\$	77,658,016



Project Fact Sheet

10130280 - Addyston Pump Station Elimination

<b>Project Type:</b> Pump Station Elimination	<b>WWTP Basin:</b> 03 - Muddy Creek
<b>CIP Category:</b> WWIP	<b>Watershed:</b> 3.01 - Lower Muddy Creek
<b>Sanitary Sewer #:</b> 7061	<b>Municipality:</b> Village of Addyston
	<b>Neighborhood:</b> Inside Ham County/Outside City

Project Intent & Description

The project consists of decommissioning and removal of the Addyston Pump Station and construction of approximately 2,700 feet of 36-inch gravity sewer along Three Rivers Parkway (US Rte 50). The pipe will provide inline storage and include a flow control device to limit peak flow from the Addyston area into the Muddy Creek Pump Station. This will eliminate PSO 730 and CSO 676 (not active in the typical year because it's co-located with the pump station and PSO activates first), eliminate SSO 675A, and reduce overflows at CSOs 675 (currently 0.09 MG in the typical year) to 0.0 MG during the typical year. The full scope of storm sewer installation for stormwater removal is under evaluation in the Addyston Extraneous Stormwater Removal planning project (PID 10230140). It is intended that the recommended storm sewers will be designed and constructed as part of this project.

Project Status

Project ROW

<b>Legislative Phase Request:</b> Design Phase	Construction will occur largely within the public ROW along Three Rivers Parkway and Main Street, but some easements may be necessary in the vicinity of the pump station.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule

Forecast/Actual

Permitting Needs

<b>Nomination Phase</b>		Permit to Install (PTI) is required for this project. Other appropriate permits will be identified during planning and design phase.
Nomination Approved (SG1)		
<b>Planning Phase</b>		<b>Related Projects</b>
Planning NTP	01/19/2026	
BCE Approved	10/26/2026	<b>Predecessors:</b> 10230140 Addyston Extraneous Stormwater Removal
<b>Design Phase</b>		<b>Successors:</b> 10130161 Muddy Creek PSU & Force Main
Design NTP	12/10/2026	
60% Design	09/07/2027	<b>Regulatory Parameters</b>
90% Design	03/09/2028	
Construction Legislation Approval	12/13/2029	<b>WWIP Compliance Date:</b>
Bid Advertisement	01/11/2030	<b>Adaptive Management:</b> No
<b>Construction Phase</b>		<b>WWIP Index No.:</b> 235
Construction NTP	03/26/2030	<b>Benefited CSOs:</b> 675, 676
Substantial Completion	03/26/2031	<b>Benefited SSOs:</b> 675A
Final Completion	06/24/2031	<b>Benefited PSOs:</b> 730

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	\$159,382			\$159,382
Design		\$900,000		\$900,000
Pre-Construction Services				
ROW		\$72,000		\$72,000
Miscellaneous Expense		\$349,000		\$349,000
Construction			\$10,269,000	\$10,269,000
Construction Services			\$872,000	\$872,000
Total	\$159,382	\$1,321,000	\$11,141,000	\$12,621,382





Project Fact Sheet

10142951 - EBORI Extension CSO 489 and 432 Separation

**Project Type:** CSO Improvement/Elimination  
**CIP Category:** WWIP  
**Sanitary Sewer #:** 7376

**WWTP Basin:** 04 - Mill Creek  
**Watershed:** 4.19 - East Ohio River  
**Municipality:** City of Cincinnati  
**Neighborhood:** Queensgate

Project Intent & Description

This project will construct approximately 4,400 linear feet of 12-inch to 48-inch storm sewer and 200 linear feet of 12-inch to 36-inch sanitary sewer to remove stormwater from the combined sewer system and eliminate CSO 432 and CSO 489. This project will be done in coordination with the EBORI Extension - Gest Street Tunnel project as part of the overall effort to convert a section of the existing McLean Avenue Sewer to storm only conveyance.

Project Status

Project ROW

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

Temporary and permanent easements will be required from private property owners, including Norfolk Southern.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1)

Planning Phase

Planning NTP  
BCE Approved

Design Phase

Design NTP  
60% Design  
90% Design

Construction Legislation Approval  
Bid Advertisement

Construction Phase

Construction NTP  
Substantial Completion  
Final Completion

02/26/2026  
04/01/2026  
  
06/12/2026  
06/11/2028  
08/10/2028

Project construction will require a Permit To Install (PTI), street opening permits, as well as permits from Norfolk Southern and CSX railroads.

Related Projects

**Predecessors:** 10142950 - East Branch Ohio River Interceptor Extension - Wave 5  
  
**Successors:** N/A

Regulatory Parameters

**WWIP Compliance Date:** 12/31/2035  
**Adaptive Management:** Yes  
**WWIP Index No.:** 395, 417

**Benefited CSOs:** 432, 489  
**Benefited SSOs:** N/A  
**Benefited PSOs:** N/A

**Project Cost Estimate**   **Prior Legislation**   **Current Legislation**   **Future Legislation**   **Total Project Estimate**

Planning				
Design				
Pre-Construction Services				
ROW				
Miscellaneous Expense				
Construction		\$31,734,211		\$31,734,211
Construction Services				
Contingency		\$1,586,711		\$1,586,711
Total		\$33,320,922		\$33,320,922



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

Project ROW

Legislative Phase Request: Design Phase  
Project Delivery Method: Design-Bid-Build  
None Required - all improvements will be made to the existing structures on MSD property.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 07/06/2022

OEPA Permit to Install  
Building Permits

Planning Phase

Planning NTP  
BCE Approved

Related Projects

Predecessors: N/A

Design Phase

Design NTP 06/11/2024  
60% Design 09/07/2026  
90% Design 12/07/2026  
Construction Legislation Approval 06/24/2027  
Bid Advertisement 07/22/2027

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

Regulatory Parameters

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

Construction Phase

Construction NTP 10/05/2027  
Substantial Completion 06/21/2030  
Final Completion 09/19/2030

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	\$3,105,225	\$410,000		\$3,515,225
Pre-Construction Services				
ROW				
Miscellaneous Expense	\$456,800	\$100,000		\$556,800
Construction			\$87,000,000	\$87,000,000
Construction Services			\$7,888,500	\$7,888,500
Contingency			\$4,350,000	\$4,350,000
Total	\$3,562,025	\$510,000	\$99,238,500	\$103,310,525

## 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 &amp; 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: Planning 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

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

N/A

## Planning Phase

Planning NTP

BCE Approved

## Related Projects

Predecessors: N/A

## Design Phase

Design NTP

60% Design

90% Design

Construction Legislation Approval

Bid Advertisement

08/02/2027

08/01/2029

05/13/2030

01/31/2030

Successors: N/A

## Regulatory Parameters

WWIP Compliance Date: 12/31/2035

Adaptive Management: Yes

WWIP Index No.: Various

## Construction Phase

Construction NTP

Substantial Completion

Final Completion

07/08/2031

04/07/2035

09/04/2035

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

\$872,000

\$216,000

\$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

\$246,591,200

\$246,591,200

Construction Services

\$8,443,300

\$8,443,300

Total

\$3,577,000

\$216,000

\$279,064,000

\$282,857,000



## 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 &amp; Description

This project is intended to modify the existing Schreiber aeration tanks to incorporate unaerated zones for biological phosphorus removal, accommodate plug flow aeration, provide peak flow mitigation, and to accommodate potential future regulatory changes / future expansion. Additionally, a new blower building will be constructed to accommodate blower upgrades.

## Project Status

## Project ROW

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

N/A

## Project Schedule

## Forecast/Actual

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

03/09/2022

A Permit to Install (PTI) will be required for this project. Other appropriate permits will be determined during planning and design phase.

## Planning Phase

Planning NTP

10/24/2022

BCE Approved

10/29/2025

## Related Projects

**Predecessors:** N/A

## Design Phase

Design NTP

01/19/2026

**Successors:** N/A

60% Design

06/23/2026

90% Design

11/04/2026

## Regulatory Parameters

Construction Legislation Approval

05/27/2027

**WWIP Compliance Date:****Adaptive Management:** No

Bid Advertisement

06/24/2027

**WWIP Index No.:** N/A

## Construction Phase

Construction NTP

09/09/2027

**Benefited CSOs:** N/A

Substantial Completion

09/03/2028

**Benefited SSOs:** N/A

Final Completion

11/02/2028

**Benefited PSOs:** N/A

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

\$503,104

\$503,104

Design

\$956,200

\$733,800

\$1,690,000

Pre-Construction Services

ROW

Miscellaneous Expense

\$390,000

\$345,000

Construction

\$31,200,000

\$31,200,000

Construction Services

\$3,530,000

\$3,530,000

**Total****\$1,346,200****\$733,800****\$35,233,104****\$37,268,104**



Project Fact Sheet

10230090 - Barrington Hills, Barrington Hills BLK. F, Gil Volz, and Kirkridge Acres P.S. Eliminations

<b>Project Type:</b> Pump Station Elimination	<b>WWTP Basin:</b> 03 - Muddy Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 3.01 - Lower Muddy Creek
<b>Sanitary Sewer #:</b> 5843	<b>Municipality:</b> Green Township
	<b>Neighborhood:</b> Inside Ham County/Outside City

Project Intent & Description

The project will eliminate five existing pump stations through the construction of new gravity sanitary sewers. This project will provide service to unsewered areas and reduce annual operations & maintenance costs resulting from eliminating the pump stations. The project will provide approximately 9,540 linear feet of 8-inch to 18-inch gravity sanitary sewer, installed through open cut and trenchless technology methods. The upstream section of the new sewer is located parallel to Fiddlers Creek, south of Fiddlers Green Road and north of Pickway Drive in Miami Township and Green Township. It will connect to an existing sewer south of Fiddlers Ridge Drive. The downstream section of the new sewer is located on First Street in the Village of Addyston and connects to an existing sewer on the west side of West Fork Muddy Creek.

Project Status	Project ROW
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<b>Legislative Phase Request:</b> Construction Phase	All necessary easements have been acquired.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule	Forecast/Actual	Permitting Needs
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<b>Nomination Phase</b>		Project construction will require a Permit To Install (PTI) as well as street opening permits.
Nomination Approved (SG1)		

Planning Phase	Related Projects
----------------	------------------

Planning NTP	<b>Predecessors:</b> N/A
BCE Approved	

Design Phase	Successors:
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Design NTP	12/05/2016	Successors: N/A
60% Design	02/03/2020	
90% Design	12/28/2020	
Construction Legislation Approval	04/30/2026	
Bid Advertisement	05/28/2026	

Construction Phase

Construction NTP	08/13/2026	<b>Benefited CSOs:</b> N/A
Substantial Completion	12/14/2027	<b>Benefited SSOs:</b> N/A
Final Completion	02/12/2028	<b>Benefited PSOs:</b> 739, 741

Regulatory Parameters

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

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
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Planning	\$26,057			\$26,057
Design	\$1,167,699			\$1,167,699
Pre-Construction Services	\$248,990			\$206,293
ROW	\$540,800			\$540,800
Miscellaneous Expense	\$270,079			\$270,079
Construction		\$9,770,000		\$9,770,000
Construction Services		\$222,400		\$222,400
<b>Total</b>	<b>\$2,253,625</b>	<b>\$9,992,400</b>		<b>\$12,203,328</b>



Project Fact Sheet

10230130 - Dry Weather Channel for SS 937

**Project Type:** CSO Improvement/Elimination  
**CIP Category:** Asset Management  
**Sanitary Sewer #:** 6523

**WWTP Basin:** 03 - Muddy Creek  
**Watershed:** 3.03 - Schiable Creek  
**Municipality:** Green Township  
**Neighborhood:** Inside Ham County/Outside City

Project Intent & Description

The proposed Dry Weather Channel for SS 937 will install a 5,640 linear foot dry weather flow channel along the existing combined sewer as well as repair structural deficiencies in the sewer. The dry weather channel will routinely convey solids from SS 937 to the Upper Muddy Creek Interceptor, which will significantly reduce the quantity of solids and associated odors that are conveyed to Werk and Westbourne EHRT and Schiable Creek during wet weather events.

Project Status

Project ROW

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

All necessary easements have been acquired.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

N/A

Nomination Approved (SG1)

Planning Phase

Related Projects

Planning NTP

Predecessors: N/A

BCE Approved

Design Phase

Successors: N/A

Design NTP

10/10/2025

60% Design

09/26/2014

90% Design

12/19/2014

Construction Legislation Approval

04/30/2026

Bid Advertisement

05/28/2026

Regulatory Parameters

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

Construction Phase

Construction NTP

08/31/2026

Substantial Completion

05/07/2027

Final Completion

07/06/2027

**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	\$120,011			\$120,011
Design	\$372,700			\$372,700
Pre-Construction Services	\$67,300			\$67,300
ROW	\$65,700			\$65,700
Miscellaneous Expense	\$42,500			\$42,500
Construction	\$4,556,000	\$3,727,000		\$8,283,000
Construction Services	\$60,000			\$10,000
Total	\$5,284,211	\$3,727,000		\$8,961,211





Project Fact Sheet

10230150 - Addyston Creek and Sewer Rehab

<b>Project Type:</b> Sewer Replacement	<b>WWTP Basin:</b> 03 - Muddy Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 3.01 - Lower Muddy Creek
<b>Sanitary Sewer #:</b> 6453	<b>Municipality:</b> Village of Addyston
	<b>Neighborhood:</b> 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

Project ROW

<b>Legislative Phase Request:</b> Construction Phase	Four temporary and three permanent easements are needed from two property owners.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1)

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

Planning Phase

Planning NTP

Related Projects

BCE Approved

Predecessors: N/A

Design Phase

Design NTP

08/12/2014

Successors: N/A

60% Design

11/04/2015

Regulatory Parameters

90% Design

01/27/2023

WWIP Compliance Date:

Construction Legislation Approval

11/26/2026

Adaptive Management: No

Bid Advertisement

12/24/2026

WWIP Index No.: N/A

Construction Phase

Construction NTP

03/12/2027

Benefited CSOs: N/A

Substantial Completion

03/11/2028

Benefited SSOs: N/A

Final Completion

05/10/2028

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

## Project Fact Sheet

## 10232030 - Rapid Run and Foley Road PS Receiver Manhole Installation

Project Type: Pump Station Improvement

CIP Category: Asset Management

Sanitary Sewer #: 7104

WWTP Basin: 03 - Muddy Creek

Watershed: 3.06 - River Road

Municipality: City of Cincinnati

Neighborhood: Riverside

## Project Intent &amp; Description

The project will install new receiver manholes with grit pits at the Rapid Run and Foley Road Pump Stations to provide the ability for bypass pumping during maintenance activities and to trap grit to reduce pump wear. The project also includes replacing the existing, aging Foley Road Pump Station with a submersible style pump station and providing a new access road as the existing access road is not permitted by the railroad and does not meet MSD's needs.

## Project Status

## Project ROW

Legislative Phase Request: Design Phase

Project Delivery Method: Design-Bid-Build

Rapid Run PS is not completely in the City-owned parcel for the pump station and improved access is needed. Foley Rd PS will require easements (permanent for the PS and access).

## Project Schedule

## Forecast/Actual

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

Project construction will require a Permit To Install (PTI). Other appropriate permits will be determined during the design phase.

## Planning Phase

Planning NTP

06/26/2023

BCE Approved

08/26/2024

## Design Phase

Design NTP

01/19/2026

60% Design

08/13/2026

90% Design

01/13/2027

Construction Legislation Approval

02/22/2029

Bid Advertisement

03/21/2029

## Construction Phase

Construction NTP

06/05/2029

Substantial Completion

01/01/2030

Final Completion

04/01/2030

## Related Projects

Predecessors: N/A

Successors: N/A

## Regulatory Parameters

WWIP Compliance Date:

Adaptive Management: No

WWIP Index No.: N/A

Benefited CSOs: 408, 410

Benefited SSOs: N/A

Benefited PSOs: 738, 749

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

\$80,000

Design

\$120,000

\$128,000

\$77,700

\$248,000

Pre-Construction Services

ROW

\$34,400

\$174,600

\$209,000

Miscellaneous Expense

\$10,000

\$121,000

\$131,000

Construction

\$2,290,000

\$2,290,000

Construction Services

\$427,000

\$427,000

Total

\$244,400

\$423,600

\$2,717,000

\$3,382,700



Project Fact Sheet

10240735 - De Votie Avenue Sewer Replacement

<b>Project Type:</b> Sewer Replacement	<b>WWTP Basin:</b> 04 - Mill Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 4.13 - Clifton
<b>Sanitary Sewer #:</b> 6683	<b>Municipality:</b> City of Cincinnati
	<b>Neighborhood:</b> CUF

Project Intent & Description

This project will replace an existing sewer beneath a structure with 190 linear feet of 24-inch diameter combined sewer installed in a new alignment. Additionally, approximately 1,400 linear feet of combined sewers ranging in diameter from 10-inch to 24-inch will be rehabilitated using CIPP.

Project Status	Project ROW
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<b>Legislative Phase Request:</b> Construction Phase	The project has acquired all necessary easements.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule	Forecast/Actual	Permitting Needs
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<b>Nomination Phase</b>	Project construction will require a Permit To Install (PTI) as well as street opening permits.
Nomination Approved (SG1)	

<b>Planning Phase</b>	06/29/2020	<b>Related Projects</b>
Planning NTP		<b>Predecessors:</b> N/A
BCE Approved		

<b>Design Phase</b>	01/09/2023	<b>Successors:</b> N/A
Design NTP		
60% Design	09/26/2023	<b>Regulatory Parameters</b>
90% Design	01/12/2024	
Construction Legislation Approval	04/30/2026	
Bid Advertisement	05/28/2026	
		<b>WWIP Compliance Date:</b>
		<b>Adaptive Management:</b> No
		<b>WWIP Index No.:</b> N/A

<b>Construction Phase</b>		
Construction NTP	08/13/2026	<b>Benefited CSOs:</b> N/A
Substantial Completion	08/13/2027	<b>Benefited SSOs:</b> N/A
Final Completion	10/12/2027	<b>Benefited PSOs:</b> N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	\$172,000			\$172,000
Design	\$200,000			\$200,000
Pre-Construction Services				
ROW	\$90,000			\$90,000
Miscellaneous Expense	\$60,000			\$60,000
Construction		\$1,111,000		\$1,111,000
Construction Services		\$15,000		\$15,000
Total	\$522,000	\$1,126,000		\$1,648,000





Project Fact Sheet

10240740 - Tennessee Avenue (HN 1754) Sewer Replacement

<b>Project Type:</b> Sewer	<b>WWTP Basin:</b> 04 - Mill Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 4.15 - Ross Run
<b>Sanitary Sewer #:</b> 6684	<b>Municipality:</b> City of Cincinnati
	<b>Neighborhood:</b> Bond Hill

Project Intent & Description

This project will rehabilitate approximately 250 linear feet of existing sewer ranging from 12-inch to 24-inch in diameter with CIPP lining. The sewer segments are located under 1754 and 1756 Tennessee Ave.

Project Status

Project ROW

<b>Legislative Phase Request:</b> Construction Phase	Two temporary and permanent easements are needed from one property owner.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

N/A

Nomination Approved (SG1)

Planning Phase

Related Projects

Planning NTP	01/24/2020	<b>Predecessors:</b> N/A
BCE Approved		

Design Phase

**Successors:** N/A

Design NTP	11/28/2023
60% Design	07/08/2024
90% Design	11/01/2024
Construction Legislation Approval	09/24/2026
Bid Advertisement	10/21/2026

Regulatory Parameters

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

Construction Phase

Construction NTP	01/06/2027	<b>Benefited CSOs:</b> N/A
Substantial Completion	05/08/2028	<b>Benefited SSOs:</b> N/A
Final Completion	07/07/2028	<b>Benefited PSOs:</b> N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
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Planning				
Design	\$190,000			\$190,000
Pre-Construction Services				
ROW	\$60,000			\$60,000
Miscellaneous Expense	\$100,000			\$100,000
Construction		\$263,275		\$263,275
Construction Services		\$50,000		\$50,000
Total	\$350,000	\$313,275		\$663,275





Project Fact Sheet

10240775 - Gilbert Avenue at Casino Sewer Replacement

Project Type: Sewer Replacement  
CIP Category: Asset Management  
Sanitary Sewer #: 6694

WWTP Basin: 04 - Mill Creek  
Watershed: 4.19 - East Ohio River  
Municipality: City of Cincinnati  
Neighborhood: Pendleton

Project Intent & Description

This project will rehabilitate approximately 2,350 linear feet of existing sewer ranging from 96-inch to 114-inch in diameter via pipe repair utilizing structural cementitious geopolymer lining which is spray applied to the existing sewer following cleaning, grouting in leaking joints and preparing the wall surface.

Project Status

Project ROW

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

A right of entry (ROE) is required from two property owners.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Project construction will require a street opening permit.

Nomination Approved (SG1)

Planning Phase

Related Projects

Planning NTP  
BCE Approved

06/29/2020

Predecessors: N/A

Design Phase

Successors: N/A

Design NTP  
60% Design  
90% Design  
Construction Legislation Approval  
Bid Advertisement

03/22/2022  
06/26/2023  
09/25/2023  
06/25/2026  
07/24/2026

Regulatory Parameters

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

Construction Phase

Construction NTP  
Substantial Completion  
Final Completion

10/09/2026  
10/09/2027  
12/08/2027

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	\$326,053			\$326,053
Design	\$322,600			\$322,599
Pre-Construction Services				
ROW	\$260,700			\$260,700
Miscellaneous Expense	\$105,100			\$105,100
Construction		\$7,193,000		\$7,193,000
Construction Services		\$80,000		\$80,000
Total	\$1,014,453	\$7,273,000		\$8,287,452



Project Fact Sheet

10240795 - Central to McMicken at Stark St Sewer Replacement

<b>Project Type:</b> Sewer Replacement	<b>WWTP Basin:</b> 04 - Mill Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 4.17 - Central
<b>Sanitary Sewer #:</b> 6701	<b>Municipality:</b> City of Cincinnati
	<b>Neighborhood:</b> Over-the-Rhine

Project Intent & Description

This project will rehabilitate approximately 920 linear feet of existing sewer ranging from 54-inch to 90-inch in diameter using cementitious geopolymer material spray applied to the existing sewer following cleaning, grouting in voids, leaking cracks and joints and forming an invert for daily flows for the larger sewers.

Project Status	Project ROW
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<b>Legislative Phase Request:</b> Construction Phase	One Right of Entry and one MOU are required.
<b>Project Delivery Method:</b> Design-Bid-Build	

Project Schedule	Forecast/Actual	Permitting Needs
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<b>Nomination Phase</b>		Project construction will require a Permit To Install (PTI) as well as street opening permits.
Nomination Approved (SG1)		

<b>Planning Phase</b>		<b>Related Projects</b>
Planning NTP	12/19/2019	<b>Predecessors:</b> N/A
BCE Approved		

<b>Design Phase</b>		<b>Successors:</b> N/A
Design NTP	02/01/2023	
60% Design	03/27/2024	
90% Design	10/28/2024	
Construction Legislation Approval	07/30/2026	<b>Regulatory Parameters</b>
Bid Advertisement	08/26/2026	<b>WWIP Compliance Date:</b>
		<b>Adaptive Management:</b> No
		<b>WWIP Index No.:</b> N/A

<b>Construction Phase</b>		
Construction NTP	11/11/2026	<b>Benefited CSOs:</b> N/A
Substantial Completion	02/09/2028	<b>Benefited SSOs:</b> N/A
Final Completion	04/09/2028	<b>Benefited PSOs:</b> N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	\$218,757			\$218,757
Design	\$244,582			\$244,582
Pre-Construction Services				
ROW	\$40,000			\$40,000
Miscellaneous Expense	\$73,400			\$73,400
Construction		\$2,714,000		\$2,714,000
Construction Services		\$41,143		\$41,143
Total	\$576,739	\$2,755,143		\$3,331,882



Project Fact Sheet

10242180 - Winton Lake Aerial Sewer Structure and Weir Modifications

**Project Type:** Regulator Improvement  
**CIP Category:** Asset Management  
**Sanitary Sewer #:** 7140

**WWTP Basin:** 04 - Mill Creek  
**Watershed:** 4.05 - West Branch Winton Woods  
**Municipality:** Springfield Township  
**Neighborhood:** Inside Ham County/Outside City

Project Intent & Description

The project will eliminate sewage surfacing at low-lying manholes near Winton Lake related to the operation of the Winton Woods Aerial Sewer Gate. The project will modify a tall, structural weir and adjust the hydraulic grade line (HGL) within the Winton Woods Diversion Chamber since the existing weir elevation is higher than an upstream manhole rim elevation. The project will also include the addition of a flow divider wall within an existing cross connection structure to ensure the appropriate HGL is maintained in the system during high water elevation events in Winton Lake to combat buoyancy issues.

Project Status

Project ROW

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

An MOU with Great Parks will be needed.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1) 10/06/2021

Planning Phase

Planning NTP 05/02/2024  
BCE Approved 11/20/2024

Design Phase

Design NTP 08/26/2025  
60% Design 12/05/2025  
90% Design 04/21/2026  
Construction Legislation Approval 08/27/2026  
Bid Advertisement 09/24/2026

Construction Phase

Construction NTP 12/07/2026  
Substantial Completion 06/05/2027  
Final Completion 08/04/2027

Project requires standard construction project approvals and permits.

Related Projects

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

**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	\$110,000			
Design	\$80,000			\$71,545
Pre-Construction Services				
ROW	\$10,000			
Miscellaneous Expense	\$10,000			\$10,000
Construction		\$47,000		\$47,000
Construction Services		\$17,302		\$17,302
Total	\$210,000	\$64,302		\$145,847



## Project Fact Sheet

## 10242190 - Bold Face Pump Station

Project Type: Pump Station Improvement

CIP Category: Asset Management

Sanitary Sewer #: 7159

WWTP Basin: 04 - Mill Creek

Watershed: 4.18 - Bold Face Creek

Municipality: City of Cincinnati

Neighborhood: Sedamsville

## Project Intent &amp; Description

The Bold Face pump station was constructed in 1959 as a dry well/ wet well. The pump station has several operations and maintenance issues. Wet weather flows overflow the regulator weir and are conveyed by the CSO outfall pipe to the Ohio River. Many pump station components are beyond their useful life, the firm pumping capacity is undersized to utilize available planned downstream capacity, components are difficult to access and maintain, and numerous assets inside the station and within the adjacent collection system pose a significant risk of failure due to their condition. The station lacks the capacity to handle wet weather flows, and, when the river stage is above 48 feet the West Branch Interceptor gate is closed due to river infiltration which takes the station offline. The lack of capacity at the station contributes to the overflows at CSO 419. The project will evaluate alternatives to replace, rehabilitate or eliminate the BFPS and associated collection system assets using an updated calibrated and validated system model. This project is located in the Sedamsville Neighborhood of 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)

02/09/2022

## Planning Phase

Planning NTP

01/26/2026

BCE Approved

06/30/2026

## Design Phase

Design NTP

08/19/2026

60% Design

09/13/2027

90% Design

04/10/2028

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

Successors: N/A

## Regulatory Parameters

WWIP Compliance Date:

Adaptive Management: N/A

WWIP Index No.: 365

Benefited CSOs: 419, 420, 421

Benefited SSOs: N/A

Benefited PSOs: N/A

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

\$500,000

Design

\$1,570,300

Pre-Construction Services

ROW

\$554,000

Miscellaneous Expense

\$362,400

Construction

\$24,158,000

Construction Services

\$2,899,000

Total

\$500,000

\$2,486,700

\$27,057,000

\$30,043,700





Project Fact Sheet

10242225 - I-75 Lockland Split Sewer Rehabilitation

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

WWTP Basin: 04 - Mill Creek  
Watershed: 4.00 - Mill Creek  
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 or repaired. Maintenance of these sewers cannot be performed as they are inaccessible with manholes buried by the pavement. Approximately 3,800 feet of the Mill Creek Interceptor will be relocated, rehabbed, or abandoned. 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. An I-75 storm sewer crossing near CSO 226 for future separation is also anticipated as part of the coordination work.

Project Status

Project ROW

Legislative Phase Request: Construction Phase  
Project Delivery Method: Design-Bid-Build  
ROW is needed for southbound I-75 sewer relocation and is expected for improvements at Millsdale Street and the I-75 bridge over Mill Creek.

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

N/A

Nomination Approved (SG1) 10/25/2023

Planning Phase

Related Projects

Planning NTP 07/03/2024  
BCE Approved 01/26/2026  
Predecessors: N/A

Design Phase

Successors: N/A

Design NTP 04/15/2026  
60% Design 09/11/2026  
90% Design 01/11/2027  
Construction Legislation Approval 12/17/2026  
Bid Advertisement 06/01/2027

Regulatory Parameters

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

Construction Phase

Construction NTP 08/13/2027  
Substantial Completion 05/13/2033  
Final Completion 07/12/2033  
Benefited CSOs: 490, 508, 509, 510, 559  
Benefited SSOs: N/A  
Benefited PSOs: N/A

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	\$435,000	\$5,910,000		\$6,345,000

## 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 &amp; 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: Planning 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

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

08/20/2025

Standard permitting for sewer work in public ROW is expected. Permitting needs will be evaluated during planning and design.

## Planning Phase

Planning NTP

10/07/2026

BCE Approved

10/12/2027

## Related Projects

Predecessors: N/A

## Design Phase

Design NTP

12/01/2027

Successors: N/A

60% Design

12/26/2028

90% Design

07/23/2029

## Regulatory Parameters

Construction Legislation Approval

06/27/2030

WWIP Compliance Date:

Adaptive Management: N/A

Bid Advertisement

07/25/2030

WWIP Index No.: N/A

## Construction Phase

Construction NTP

10/09/2030

Benefited CSOs: N/A

Substantial Completion

02/09/2032

Benefited SSOs: N/A

Final Completion

04/09/2032

Benefited PSOs: N/A

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

\$134,000

\$134,000

Design

\$188,000

\$188,000

Pre-Construction Services

ROW

\$276,000

\$276,000

Miscellaneous Expense

\$113,000

\$113,000

Construction

\$1,560,000

\$1,560,000

Construction Services

\$139,000

\$139,000

Total

\$134,000

\$2,276,000

\$2,410,000



Project Fact Sheet

10262015 - SCWWTP Secondary Clarifier Upgrade

<b>Project Type:</b> Treatment Facility	<b>WWTP Basin:</b> 06 - Sycamore Creek
<b>CIP Category:</b> Asset Management	<b>Watershed:</b> 6.01 - Sycamore Creek
<b>Sanitary Sewer #:</b> 7058	<b>Municipality:</b> Symmes Township
	<b>Neighborhood:</b> Inside Ham County/Outside City

Project Intent & Description

This project will rehabilitate the clarifiers at the Sycamore Creek Wastewater Treatment Plant, including replacing the collector arms, gear motors and drive units. Redundancy in the secondary clarification process will also be introduced via a polymer addition system and wet weather step-feed, offering the ability to perform the repairs to each clarifier without compromising the plant's NPDES permit compliance and improving future plant performance.

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

Project Schedule	Forecast/Actual	Permitting Needs
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<b>Nomination Phase</b>		Project construction will require a Permit To Install (PTI).
Nomination Approved (SG1)		
<b>Planning Phase</b>		<b>Related Projects</b>
Planning NTP	06/29/2023	<b>Predecessors:</b> N/A
BCE Approved	04/10/2025	
<b>Design Phase</b>		<b>Successors:</b> N/A
Design NTP	12/08/2025	
60% Design	12/28/2026	<b>Regulatory Parameters</b>
90% Design	07/19/2027	<b>WWIP Compliance Date:</b>
Construction Legislation Approval	02/24/2028	<b>Adaptive Management:</b> No
Bid Advertisement	03/22/2028	<b>WWIP Index No.:</b> N/A
<b>Construction Phase</b>		
Construction NTP	06/06/2028	<b>Benefited CSOs:</b> N/A
Substantial Completion	10/07/2029	<b>Benefited SSOs:</b> N/A
Final Completion	12/06/2029	<b>Benefited PSOs:</b> N/A

Project Cost Estimate	Prior Legislation	Current Legislation	Future Legislation	Total Project Estimate
Planning	\$227,216		\$100,000	\$327,216
Design	\$460,000	\$270,000		\$730,000
Pre-Construction Services				
ROW				
Miscellaneous Expense	\$40,000	\$186,000		\$226,000
Construction			\$9,950,000	\$9,950,000
Construction Services			\$1,400,000	\$1,400,000
Total	\$727,216	\$456,000	\$11,450,000	\$12,633,216



## Project Fact Sheet

## 10270026 - Camargo Canyon Pump Station Elimination

**Project Type:** Pump Station Elimination**CIP Category:** Asset Management**Sanitary Sewer #:** 6868**WWTP Basin:** 07 - Little Miami**Watershed:** 7.01 - Upper Duck Creek**Municipality:** City of Madeira**Neighborhood:** Inside Ham County/Outside City

## Project Intent &amp; Description

The project will eliminate the Camargo Canyon Pump Station by extending approximately 995 linear feet of new 8-inch gravity sanitary sewer from the end of the existing 8-inch dry gravity sewer installed with the pump station to the 30-inch trunk sewer in Camargo Road.

## Project Status

## Project ROW

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

The remaining easement acquisition includes a temporary and permanent easement from the Baltimore and Ohio Railroad Company.

## Project Schedule

## Forecast/Actual

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

Project construction will require a Permit To Install (PTI), a street opening permit, as well as a permit from the railroad.

## Planning Phase

Planning NTP

BCE Approved

## Related Projects

**Predecessors:** N/A

## Design Phase

Design NTP

01/04/2021

**Successors:** N/A

60% Design

07/20/2022

90% Design

02/16/2023

Construction Legislation Approval

04/30/2026

Bid Advertisement

05/28/2026

## Regulatory Parameters

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

## Construction Phase

Construction NTP

08/13/2026

**Benefited CSOs:** N/A

Substantial Completion

05/10/2027

**Benefited SSOs:** N/A

Final Completion

07/09/2027

**Benefited PSOs:** N/A

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

Design

\$293,378

\$293,378

Pre-Construction Services

\$46,228

\$46,228

ROW

\$110,932

\$110,932

Miscellaneous Expense

\$15,000

\$15,000

Construction

\$1,256,000

\$1,256,000

Construction Services

**Total****\$465,538****\$1,256,000****\$1,721,538**





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

Project ROW

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

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

Permitting Needs

Nomination Phase

N/A

Nomination Approved (SG1)

05/29/2024

Planning Phase

Planning NTP

11/18/2026

BCE Approved

10/29/2027

Design Phase

Design NTP

12/22/2027

60% Design

11/16/2028

90% Design

05/11/2029

Construction Legislation Approval

01/31/2030

Bid Advertisement

02/27/2030

Construction Phase

Construction NTP

05/13/2030

Substantial Completion

09/12/2031

Final Completion

11/11/2031

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

\$79,000

\$79,000

Pre-Construction Services

ROW

Miscellaneous Expense

\$25,000

\$25,000

Construction

\$475,000

\$475,000

Construction Services

\$120,000

\$120,000

Total

\$64,000

\$699,000

\$763,000

## Project Fact Sheet

## 10272100 - Chandler Street Sewer Improvements

Project Type: Sewer Separation

CIP Category: WWIP

Sanitary Sewer #: 7305

WWTP Basin: 07 - Little Miami

Watershed: 7.01 - Upper Duck Creek

Municipality: City of Cincinnati

Neighborhood: Madisonville

## Project Intent &amp; Description

This project is located in the Madisonville neighborhood of the City of Cincinnati, within the Upper Duck Creek watershed of the Little Miami Basin. The planning effort evaluated alternatives to address capacity issues, to mitigate SBUs and to replace or rehabilitate deficient sewer assets. Sewer Separation was selected to offload stormwater from the combined sewer system due to favorable topography draining south toward Chandler Street with a receiving water directly adjacent to the Project Area. These improvements include installation of about 6,000 LF of storm sewer along Chandler Street and Ebersole Avenue and ranging from 12-inch to 54-inch to relieve SBU vulnerability via stormwater offload from the combined sewer system. While this will not completely bring CSO 068 into compliance, it will reduce CSO 068 from 86MG/TY to 77MG/TY, mitigating future infrastructure needs. Additionally, structurally deficient assets in the project area will be rehabilitated with CIPP lining.

## Project Status

Legislative Phase Request: Planning Phase

Project Delivery Method: Design-Bid-Build

## Project ROW

Construction will occur largely within the public ROW along Chandler, but some easements may be necessary.

## Project Schedule

## Forecast/Actual

## Permitting Needs

## Nomination Phase

Nomination Approved (SG1)

07/10/2024

Project construction will require a Permit To Install (PTI) as well as street opening permits. Other appropriate permits will be identified during planning and design.

## Planning Phase

Planning NTP

08/17/2026

BCE Approved

08/23/2027

## Related Projects

Predecessors: N/A

## Design Phase

Design NTP

10/20/2027

Successors: N/A

60% Design

11/13/2028

90% Design

06/11/2029

## Regulatory Parameters

Construction Legislation Approval

11/28/2030

WWIP Compliance Date:

Adaptive Management: Yes

Bid Advertisement

12/27/2030

WWIP Index No.: 250 (adaptive)

## Construction Phase

Construction NTP

03/13/2031

Benefited CSOs: 68

Substantial Completion

07/13/2032

Benefited SSOs: N/A

Final Completion

09/11/2032

Benefited PSOs: N/A

## Project Cost Estimate

## Prior Legislation

## Current Legislation

## Future Legislation

## Total Project Estimate

Planning

\$415,000

\$415,000

Design

\$702,000

\$702,000

Pre-Construction Services

ROW

\$200,000

\$200,000

Miscellaneous Expense

\$222,000

\$222,000

Construction

\$9,500,000

\$9,500,000

Construction Services

\$470,000

\$470,000

Total

\$415,000

\$11,094,000

\$11,509,000



Project Fact Sheet

10281100 - LMWWTP Solids Disposal With Odor Control

<b>Project Type:</b> Treatment Facility	<b>WWTP Basin:</b> 07 - Little Miami
<b>CIP Category:</b> WWIP	<b>Watershed:</b> 7.07 - California
<b>Sanitary Sewer #:</b> 6914	<b>Municipality:</b> City of Cincinnati
	<b>Neighborhood:</b> East End

Project Intent & Description

This project will address critical solids handling, disposal and odor control needs at Little Miami WWTP. The project includes construction of a new Class A anaerobic digestion facility and supporting facilities including sludge thickening, sludge dewatering, odor control, biogas conditioning, waste gas burner, gas turbines powering aeration blowers, generators for onsite use and struvite mitigation controls. The project also includes improvements to the existing MSD sludge receiving facility and sludge blend tanks. The new facilities will be constructed above the 100-year flood elevation for flood protection. This project is located at the Little Miami WWTP at 225 Wilmer Ave in the East End neighborhood of the City of Cincinnati.

Project Status

Project ROW

<b>Legislative Phase Request:</b> Construction Phase	Due to site constraints within LMWWTP, the optimal location is proposed on the west side of the LMWWTP. Portions of this area are controlled by other City departments. An MOU was executed.
<b>Project Delivery Method:</b> Design-Build	

Project Schedule

Forecast/Actual

Permitting Needs

Nomination Phase

Nomination Approved (SG1)

A preliminary list of permits is included in the City's Project Criteria, which is an exhibit to the Contract. The Design-Builder will finalize the list of required permits during design.

Planning Phase

Related Projects

Planning NTP

06/04/2020

**Predecessors:** null

BCE Approved

Design Phase

**Successors:** null

Design NTP

12/20/2022

60% Design

11/01/2024

90% Design

03/31/2025

Construction Legislation Approval

01/01/2026

Bid Advertisement

Regulatory Parameters

**WWIP Compliance Date:** 12/31/2035

**Adaptive Management:** Yes

**WWIP Index No.:** Various

Construction Phase

Construction NTP

08/14/2025

**Benefited CSOs:** N/A

Substantial Completion

12/01/2028

**Benefited SSOs:** N/A

Final Completion

05/30/2029

**Benefited PSOs:** N/A

Project Cost Estimate

Prior Legislation

Current Legislation

Future Legislation

Total Project Estimate

Planning	\$856,325			\$856,325
Design	\$15,393,272			\$15,393,272
Pre-Construction Services	\$678,418			\$678,418
ROW				
Miscellaneous Expense	\$2,200,000			\$2,200,000
Construction	\$195,656,879			\$195,656,879
Construction Services	\$1,840,000	\$2,797,479		\$4,637,479
Total	\$216,624,894	\$2,797,479		\$219,422,373



# 2026 Allowance Fact Sheet

ID - Name	CIP Description	Budget
10281326 - Prioritized Wastewater Collection System Improvements 2026	This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed 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 lifecycle cost.	\$22,950,461
10180126 - Main Sewer Renewal Program 2026	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.	\$7,137,207
10180226 - Manhole Renewal Program 2026	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.	\$1,155,619
10280726 - Critical Asset Management Projects 2026	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.	\$7,956,364
10182026 - Urgent Capacity Response 2026	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.	\$1,570,612
10190326 - HSTS Eliminations 2026	This allowance improves the water quality of WWIP watersheds by providing a public sewerage solution for failing or inadequate home sewage treatment systems (HSTS) in built up areas of the MSD service area. Projects are prioritized in conjunction with local health departments based on public health risk and feasibility and MSD uses this allowance to plan, design and construct new sanitary sewers that facilitate the elimination of HSTSs. Construction of such projects are authorized by the BoCC through future separate legislation and funded from this allowance, or in the case where a project construction cost exceeds the Allowance funding capacity, separate appropriated funds will be requested.	\$2,140,000



# 2026 CIP Allowances (continued)

ID - Name	CIP Description	Budget
10282426 - Flow Monitoring Support 2026	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 \$20,700 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.	\$2,194,200
10280246 - Hydraulic Modeling 2026	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 \$28,236 per meter.	\$2,993,003
10282026 - CIP Planning Projects 2026	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.	\$1,035,000
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.)	\$10,277,550
10199026 - Program Management and Support Services 2026	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.	\$8,280,000

# 2026 CIP Allowances (continued)

ID - Name	CIP Description	Budget
10199126 - Hamilton County Utility Oversight and Coordination 2026	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 "Monitor Team" 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 County monitor. The Board is solely responsible for determining that (1) the County Monitor'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 County Monitor is charging fees and expenses consistent with the Board's contract with the County Monitor.	\$4,968,000
13090026 - Programmatic Contingency 2026	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
Grand Total		\$77,658,016

# 2027 CIP Projects

Projects		Annual Total	\$	262,781,523
PID	Description	2027 Total Requested		
Planning Phase				
Design/Easement Phase				
10172960	LMWWTP HRT Facility	\$	24,029,500	
10240640	MCWWTP Dewatering Building Improvements	\$	14,671,004	
10242245	Ross Avenue and Globe Avenue Sewer Improvements	\$	577,000	
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$	104,000	
10272100	Chandler Street Sewer Improvements	\$	1,124,000	
Design/Easement Phase Total			\$	40,505,504
Construction Phase				
10270175	East Hill Ave Sewer Replacement	\$	2,426,700	
10172950	LMWWTP Electrical, Primary, and Secondary Improvements	\$	99,238,500	
10232045	MUWWTP UV Disinfection Replacement	\$	5,679,000	
10222010	TCWWTP Aeration Basin Conversion	\$	34,730,000	
Construction Phase Total			\$	142,074,200
Projects Sub-Total			\$	182,579,704

# 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	\$	8,569,800
10199127	Hamilton County Utility Oversight and Coordination 2027	\$	5,141,880
10280247	Hydraulic Modeling Support 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
Design/Easement Phase Total		\$	2,215,000
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
13090027	Programmatic Contingency 2027	\$	5,000,000
Construction Phase Total		\$	45,572,310
Allowances Sub-Total		\$	80,201,819



# 2028 CIP Projects

<b>Projects</b>		Annual Total	\$	179,866,389
PID	Description	2028 Total Requested		
Planning Phase				
Design/Easement Phase				
Construction Phase				
10172960	LMWWTP HRT Facility	\$	45,653,500	
10240275	SSO 603 and 704 Improvements	\$	11,026,531	
10240426	Pleasant Run Pump Station Upgrades	\$	29,003,000	
10262015	SCWWTP Secondary Clarifier Upgrade	\$	11,350,000	
Construction Phase Total		\$	97,033,031	
<b>Projects Sub-Total</b>		\$	<b>97,033,031</b>	

# 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	\$	8,869,743
10199128	Hamilton County Utility Oversight and Coordination 2028	\$	5,321,846
10280248	Hydraulic Modeling Support 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
Design/Easement Phase Total		\$	2,292,000
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
13090028	Programmatic Contingency 2028	\$	5,000,000
Construction Phase Total		\$	46,992,340
Allowances Sub-Total		\$	82,833,358

# 2029 CIP Projects

Projects		Annual Total	\$	136,493,892
PID	Description	2029 Total Requested		
Planning Phase				
Design/Easement Phase				
Construction Phase				
10130280	Addyston Pump Station Elimination	\$		11,141,000
10242190	Bold Face Pump Station	\$		27,057,000
10130161	Muddy Creek PSU & Force Main	\$		9,871,000
10230655	Muddy Creek Road and Rosebud Drive Sewer Replacement	\$		452,000
10232030	Rapid Run and Foley Road PS Receiver Manhole Installation	\$		2,717,000
Construction Phase Total			\$	51,238,000
Projects Sub-Total			\$	51,238,000

# 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	\$	9,180,184
10199129	Hamilton County Utility Oversight and Coordination 2029	\$	5,508,110
10280249	Hydraulic Modeling Support 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 Elimination 2029	\$	2,372,000
Design/Easement Phase Total		\$	2,372,000
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
13090029	Programmatic Contingency 2029	\$	5,000,000
Construction Phase Total		\$	48,163,765
Allowances Sub-Total		\$	85,255,892



# 2030 CIP Projects

Projects		Annual Total	\$ 524,381,224
PID	Description	2030 Total Requested	
Planning Phase			
Design/Easement Phase			
Construction Phase			
10272100	Chandler Street Sewer Improvements	\$	9,970,000
10272095	Little Miami Interceptor Sluice Gate Replacement and Relocation	\$	595,000
10172960	LMWWTP HRT Facility	\$	209,381,000
10240640	MCWWTP Dewatering Building Improvements	\$	172,796,081
10242245	Ross Avenue and Globe Avenue Sewer Improvements	\$	1,699,000
10240755	Victory Parkway at Ledgewood Drive Sewer Replacement	\$	9,745,600
10242085	Village Woods Pump Station and System Improvements	\$	1,697,600
10272025	Wasson Ravine Sewer Replacement	\$	2,038,000
10132930	Wulff Run Sewer Replacement	\$	28,394,100
Construction Phase Total		\$	436,316,381
Projects Sub-Total		\$	436,316,381

# 2030 CIP Allowances

## Allowances

PID	Description	2030 Total Requested	
Planning Phase			
10182030	Urgent Capacity Response 2030	\$	1,802,313
10199030	Program Management and Support Services 2030	\$	9,501,490
10199130	Hamilton County Utility Oversight and Coordination 2030	\$	5,700,893
10280250	Hydraulic Modeling Support 2030	\$	3,431,327
10282030	CIP Planning Projects 2030	\$	1,187,686
10282430	Flow Monitoring Support 2030	\$	2,517,895
13099999	MSD Labor	\$	11,793,724
Planning Phase Total		\$	35,935,328
Design/Easement Phase			
10190330	HSTS Eliminations 2030	\$	2,455,020
Design/Easement Phase Total		\$	2,455,020
Construction Phase			
10180130	Main Sewer Renewal Program 2030	\$	8,190,109
10180230	Manhole Renewal Program 2030	\$	1,326,098
10280730	Critical Asset Management 2030	\$	8,821,365
10281330	Prioritized Wastewater Collection System Asset Management 2030	\$	26,336,923
13090030	Programmatic Contingency 2030	\$	5,000,000
Construction Phase Total		\$	49,674,495
Allowances Sub-Total		\$	88,064,843