



## **Financial Services Audit Committee Communication**

**Date:** October 22, 2021

**To:** Great Lakes Water Authority Audit Committee

**From:** Andrew Sosnoski, Manager, Construction Accounting & Financial Reporting

**Re:** FY 2021 Q4 Construction Work-in-Progress Report through June 30, 2021  
(Unaudited)

**Background:** The quarterly construction work-in-progress (CWIP) provides information and analysis related to the execution of the Great Lakes Water Authority capital improvement program (CIP).

**Analysis:** The attached documents summarize the FY 2021 Q4 CWIP positions and provides a detailed snapshot to inform decision makers and stakeholders.

**Proposed Action:** Receive and file this report.



**Construction Work-in-Progress Quarterly Report  
(Unaudited)**

**As of June 30, 2021**

**For questions, please contact:**

**Andrew Sosnoski, CCIFP**

**Construction Accounting and Financial Reporting Manager**

**Phone: 313.999.2585**

**Email: [Andrew.Sosnoski@glwater.org](mailto:Andrew.Sosnoski@glwater.org)**

**Issued 10.15.2021**

## **Table of Contents**

<b>Introduction .....</b>	<b>1</b>
<b>Water system .....</b>	<b>3</b>
Executive Summary .....	3
Summary Construction Work-in-Progress Rollforward by Jurisdiction .....	4
Detailed Construction Work-in-Progress Rollforward .....	6
FY 2021 Project Amendment Summary .....	12
<b>Wastewater system .....</b>	<b>14</b>
Executive Summary .....	14
Summary Construction Work-in-Progress Rollforward by Jurisdiction .....	15
Detailed Construction Work-in-Progress Rollforward .....	17
FY 2021 Project Amendment Summary .....	21

**October 22, 2021****To Our Stakeholders:**

The contents of this report represent the financial presentation of construction work-in-progress activity for the Great Lakes Water Authority (GLWA) as of June 30, 2021. The information in this report presents a detailed snapshot and is important as we track the execution of the FY 2022–2026 Capital Improvement Plan (CIP) and look to inform decision makers as we draft the FY 2023–2027 CIP.

As we continue to refine this report to better communicate pertinent information to inform decision makers and stakeholders, content and formatting may be changed. With the summary of active projects now regularly being reported to the Capital Planning Committee the project highlights previously being reported have been removed from this report.

**Report Contents and Organization**

This report is divided into two sections: one for the Water System and one for the Wastewater System as identified in the table of contents. Each section includes analysis and reporting of the following:

*Executive Summary:* Presentation of spend information is necessary to report our progress on CIP projects.

*Summary Construction Work-in-Progress Rollforward by Jurisdiction:* This table provides a summary of the planned and actual project activity by the jurisdictions identified within the FY 2022 – 2026 Board Approved CIP Plan.

*Detailed Construction Work-in-Progress Rollforward:* This table provides a detailed list of all projects in the CIP along with financial activity. This table may be used to revisit priorities, workload, and phasing.

*Project Amendment Summary:* The award of CIP contracts and the related execution thereof may result in deviations from the amount and timing of project activity. Project amendments are prepared to fund the related increase or decrease with either an adjustment to Capital Reserve or Program / Allowance accounts to amend the board approved fiscal year CIP accordingly and to inform decision makers in the development of future Capital Improvement Plans.

## Financial Information

All project amounts are unaudited. This means that direct contractor costs are generally included in these totals with most pay estimates entered through June 30, 2021. There may, however, be some pay estimates that lag. The totals do not include indirect overhead.

## Budget vs. Plan

Generally, GLWA's CIP projects span two or more fiscal years. The GLWA Board of Directors adopts a biennial "budget" and a five-year capital improvement "plan".

- ✓ The adopted **budget** relates to operations and maintenance expense, annual fixed commitments such as debt service, and incremental adjustments to reserves. The budget provides authority to spend within defined amounts. The budget is also referred to as the "revenue requirement" for the utility.
- ✓ After contracts are awarded at amounts variant from the CIP plan and more reliable anticipated spend data becomes available, the amended budget for the current fiscal year may increase or decrease by way of "Capital Reserve" budget amendments.
- ✓ The five-year capital improvement **plan** is a rolling plan that is updated at an administrative tracking level as projects move from estimated to actual bid numbers. An updated mid-cycle CIP would be presented to the Board for approval if the prioritization strategy was revised and/or the plan was in need of material revisions.
- ✓ In addition, the Board of Directors adopts a capital spending ratio assumption (SRA) which allows the realities of capital program delivery to align with the financial plan. The SRA is an analytical approach to bridge the total dollar amount of projects in the CIP with what can realistically be spent due to limitations beyond GLWA's control and/or delayed for nonbudgetary reasons. Those limitations, whether financial or non-financial, necessitate the SRA for budgetary purposes, despite the prioritization established.

## WATER SYSTEM

### Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2021-2025 and related CIP Plan for FY 2021 were based on anticipation of FY 2021 activity resulting in 75% of planned spend. The Water System spend for the period ending June 30, 2021, is 89.2% of the FY 2021 board approved CIP, 88.3% of the FY 2021 board approved CIP with project amendments, and 119% of the FY 2021 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2021 Board Approved CIP was amended from \$147,564,000 to \$149,084,720 is provided in the subsequent Project Amendment Summary section of this report.

Water System Projects		FY 2020	FY 2020 Activity	FY 2020 Percentage	FY 2021	FY 2021 Activity (Unaudited)	FY 2021 Percentage
FY 2020 Board Approved CIP	\$	143,247,000	\$	76,542,465			53.4%
FY 2020 Board Approved CIP With Project Amendments		124,916,757		76,542,465			61.3%
FY 2020 Capital Spend Rate Assumption (SRA)		107,435,250		76,542,465			71.2%
FY 2021 Board Approved CIP					\$ 147,564,000	\$	89.2%
FY 2021 Board Approved CIP With Project Amendments					149,084,720		88.3%
FY 2021 Capital Spend Rate Assumption (SRA)					110,673,000		119.0%

### **Construction Work-in-Progress Rollforward Summary By Jurisdiction**

The purpose of the construction work-in-progress (CWIP) summary rollforward by jurisdiction is to provide a high-level overview of the financial status of the projects identified within the current board approved CIP by their jurisdiction. Within the FY 2022 – 2026 Board Approved CIP Plan, projects are identified and categorized as either City of Detroit, Wayne County - Outside Detroit, Lapeer County, Macomb County, Oakland County, Saint Clair County or Multiple Counties and reflected accordingly in this report.

**\$204.9** million is in CWIP as of June 30, 2021 as shown in the table beginning on the next page.

The order of the report on the subsequent page is in ascending by jurisdiction alphabetically.

**Great Lakes Water Authority**  
**Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward Summary By Jurisdiction**  
**Unaudited Activity For the Fiscal Quarter Ended June 30, 2021**

	Total Project Plan Estimate from FY2022 - 2026 CIP		CWIP Balance July 1, 2020		FY 2021 Board Approved CIP		FY 2021 Board Approved CIP With Project Amendments		FY 2021 Activity through June 30, 2021		CWIP Balance June 30, 2021	
Jurisdiction												
City of Detroit	\$	603,366,840	\$	28,939,342	\$	40,682,000	\$	39,757,332	\$	34,184,018	\$	58,438,128
Lapeer County		5,937,124		395,011		4,211,000		4,211,000		759,447		1,154,458
Mutiple Counties		386,207,886		28,383,961		29,476,000		28,511,000		28,216,784		40,301,434
Oakland County		276,954,686		7,388,707		6,195,000		6,195,000		13,673,265		19,579,122
Saint Clair County		199,416,920		15,820,210		7,160,000		8,646,460		6,287,882		13,545,671
Wayne County - Outside Detroit		881,825,559		45,270,290		59,840,000		61,763,959		48,566,424		71,834,216
Grand Total	\$	2,353,709,015	\$	126,197,522	\$	147,564,000	\$	149,084,750	\$	131,687,819	\$	204,853,029



## Construction Work-in-Progress Rollforward

The purpose of the construction work-in-progress (CWIP) rollforward is to analyze the current year activity for each project in relation to the overall capital improvement program as well as the project portfolio overall.

As part of our project life cycle review the CA&FR team identifies when it is appropriate for projects to be capitalized. Projects are to be capitalized when they have been completed in totality or are inclusive of identifiable assets that have been placed in service. Capitalization of project cost occurred in the FY 2021 4th quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
113001	SW-548	SWWTP Sludge Treatment & Washwater
114013	CON-253	Springwells Reservoir Fill Line Improvement
116002	DB-150	PA, SW & NE Raw Water Supply Tunnel Improvement
122011	1802775	Park Merriman Water Main Final Phase
132006	1803538	Pressure & Control Imp Booster Pumping
170401	CON-181	Ypsilanti Pumping Station Bypass
170502	CON-181	Transmission System Valve Replacement

**\$204.9** million is in CWIP as of June 30, 2021 as shown in the table beginning on the next page.

The order of the report on the subsequent pages is in ascending order by CIP project number.

# Water System

## Construction Work-in-Progress Quarterly Report

As of June 30, 2021

Great Lakes Water Authority  
 Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
 Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
111001	Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping Improvements	\$ 57,178,250	\$ 212,034	\$ 1,636,000	\$ 1,636,000	\$ 1,685,537	\$ -	\$ 1,897,571	\$ 1,897,571	3%
111002	LHWTP Backflow Replacement	8,705,313	8,529,804	41,000	41,000	32,616	8,717,768	-	8,717,768	100%
111004	Electrical Tunnel Rehabilitation at Lake Huron WTP	3,892,689	390			(390)	3,892,299	-	3,892,299	100%
111006	Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake	16,789,745	1,073,466	235,000	235,000	200,415	-	1,273,880	1,273,880	8%
111007	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements	9,181,107	5,887,651	3,392,000	3,392,000	2,560,757	-	8,448,408	8,448,408	92%
111008	LHWTP Architectural Programming - Lab	1,196,283	110			(110)	-	-	-	0%
111009	Lake Huron WTP-35 MGD HLP, Flow Meters	30,480,734	116,755	1,856,000	1,142,460	1,609,306	-	1,726,061	1,726,061	6%
111010	Lake Huron Water Treatment Plant - Filtration and Pretreatment Improvements	42,206,783					-	-	-	0%
111011	Lake Huron WTP Pilot Plant	3,247,998		-	2,200,000	198,694	-	198,694	198,694	6%
111012	LHWTP-Flocculation Improvements	26,538,016				1,057	-	1,057	1,057	0%
112002	Low Lift Pumping Plant Caisson Rehabilitation at Northeast WTP	1,172,880	2,918			(2,918)	1,169,962	-	1,169,962	100%
112003	NE WTP High Lift Pumping Electrical	71,545,621	5,785			218,090	-	223,875	223,875	0%
112005	Northeast Water Treatment Plant - Replacement of Covers for Process Water Conduits	1,088,655	438,463	1,096,000	1,096,000	499,416	-	937,879	937,879	86%
112006	Northeast Water Treatment Plant Flocculator Replacements	11,316,013	186,274	2,773,000	2,773,000	68,176	-	254,450	254,450	2%
113001	Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment Facilit		341,324			(170,245)	171,079	-	171,079	100%
113002	High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP	6,728,375	5,272,232	1,094,000	1,094,000	526,303	5,798,535	-	5,798,535	86%
113003	Replacement of Butterfly Valves	21,811,953	110				-	110	110	0%
113004	Residual Handling Facility's Decant Flow Modifications at Southwest WTP		1,822			(1,822)	853,219	-	853,219	100%
113006	SW WTP Chloring Scrubber	7,330,660	129,973	260,000	260,000	74,153	-	204,126	204,126	3%
113007	Architectural and Building Mechanical	3,167,022					-	-	-	0%
114001	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities	80,828,071	-			(0)	99,764,892	(0)	99,764,892	123%
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	224,221,541	5,496,115	7,113,000	8,087,759	7,447,927	-	12,944,042	12,944,042	6%

**Great Lakes Water Authority**  
**Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward**  
**Unaudited Activity For the Fiscal Quarter Ended June 30, 2021**

**Water System**  
**Construction Work-in-Progress Quarterly Report**  
 As of June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
114003	Water Production Flow Metering Improvements at NE, SW, and SPW WTP	8,155,919	8,185,528			21,709	8,207,237	0	8,207,237	101%
114005	Springwells WTP Admin Building Improvements	9,259,571	943,973	2,302,000	2,302,000	234,666	-	1,178,639	1,178,639	13%
114006	Replacement of Rapid Mix Units at Springwells WTP 1958 Process Train		9,390			1,284	1,021,039	10,674	1,031,712	100%
114007	Powder Activated Carbon Systems	4,020,591					-	-	-	0%
114008	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP	13,923,254	3,381,909	10,327,000	10,327,000	7,783,415	23,038	11,142,286	11,165,324	80%
114010	Yard Piping Improvements	200,471,687	241,135	1,000	1,000	290,393	-	531,529	531,529	0%
114011	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP	25,540,354	10,083,734	6,932,000	6,932,000	8,380,914	-	18,464,648	18,464,648	72%
114012	Springwells Water Treatment Plant 1930 Filter Building-Roof Replacement	3,911,148					3,911,148	-	3,911,148	100%
114013	Springwells Reservoir Fill Line Improvements	4,923,914	3,586,056			1,120,694	4,706,751	(0)	4,706,751	96%
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement	2,280,781	94,862	1,663,000	452,000	333,459	-	428,322	428,322	19%
114017	Springwells Water Treatment Plant Flocculator Drive Replacement	12,358,115	1,071	315,000	1,501,000	188,872	-	189,943	189,943	2%
114018	Springwells Water Treatment Plant - Service Building Electrical Substation and Miscellaneous Improvements	1,544,706					-	-	-	0%
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	54,815,232	2,839,127	5,462,000	5,723,332	2,910,644	-	5,749,771	5,749,771	10%
115003	Comprehensive Condition Assessment at Waterworks Park WTP	514,004	-				-	-	-	0%
115004	Water Works Park WTP Chlorine System Upgrade	6,892,656	-			9,563	6,957,032	9,563	6,966,596	101%
115005	WWP WTP Building Ventilation Improvements	4,923,595	1,126	1,999,000	1,999,000	562,318	-	563,444	563,444	11%
115006	Water Works Park Site/Civil Improvements	5,881,718					-	-	-	0%
115007	Water Works Park High Lift Pumping Station Modernization	88,946,247					-	-	-	0%
116002	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on	94,880,203	18,513,669	14,138,000	14,138,000	12,119,226	4,685,231	25,947,664	30,632,896	32%
116005	Belle Isle Seawall Rehabilitation	1,831,677					-	-	-	0%
116006	Belle Isle Intake System Rehabilitation and Improvements	350,000					-	-	-	0%

**Great Lakes Water Authority**  
**Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward**  
**Unaudited Activity For the Fiscal Quarter Ended June 30, 2021**

**Water System**  
**Construction Work-in-Progress Quarterly Report**  
 As of June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
122003	New Waterworks Park to Northeast Transmission Main	143,217,044	5,190,146	11,703,000	11,703,000	16,134,369	-	21,324,515	21,324,515	15%
122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	144,852,077	1,816,305	5,267,000	5,267,000	7,857,476	-	9,673,781	9,673,781	7%
122005	Replacement Schoolcraft Watermain	15,325,893	1,381,778	13,141,000	13,141,000	5,312,702	433,955	6,260,526	6,694,481	44%
122006	Transmission System Water Main Work-Wick Road Parallel Water Main	22,419,614	5,902,921	9,975,000	12,407,246	11,230,044	-	17,132,964	17,132,964	76%
122007	Design and Construction of a new Newburgh Road 24" Main along Newburgh Road between Ch	22,154,359	1,805				-	1,805	1,805	0%
122011	Park-Merriman Water Main-Final Phase	9,600,066	5,221,921	2,163,000	364,954	2,716,377	7,643,096	295,202	7,938,298	83%
122012	36-inch Water Main in Telegraph Road	9,870,398					9,986,284	-	9,986,284	101%
122013	Lyon Township Transmission Main Extension Project	105,180,009	3,642,904	1,194,000	1,194,000	6,820,617	502,808	9,960,713	10,463,521	10%
122016	Downriver Transmission Loop	37,067,100	224,909	1,748,000	1,748,000	1,395,401	-	1,620,310	1,620,310	4%
122017	7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station	60,188,759	3,414	1,794,000	1,794,000	1,450,837	-	1,454,251	1,454,251	2%
122018	Garland, Hurlbut, Bewick Water Transmission System Rehabilitation	54,102,536		1,717,000	1,717,000		-	-	-	0%
132003	Isolation Gate Valves for Line Pumps for West Service Center Pumping Station	1,961,708	1,712	65,000	65,000	(1,712)	1,742,479	-	1,742,479	89%
132006	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chica	3,363,699	1,883,902	987,000	987,000	1,342,143	3,226,045	-	3,226,045	96%
132007	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station	5,187,314	167,665	4,211,000	4,211,000	759,447	-	927,112	927,112	18%
132008	Needs Assessment Study for all Water Booster Pumping Stations	1,675,441	-				-	-	-	0%
132010	West Service Center/Duval Rd Division Valve Upgrades	45,142,158	2,460,032	4,323,000	4,323,000	6,598,170	-	9,058,202	9,058,202	20%
132012	Ypsilanti PS Improvements	35,393,046	333,589	846,000	846,000	181,536	-	515,125	515,125	1%
132014	Adams Road Booster Pumping Improvements	52,864,694	83,262				-	83,262	83,262	0%
132015	Newburgh BPS	45,044,000	350,454	973,000	973,000	93,618	-	444,073	444,073	1%
132016	North Service Center BPS Improvements	68,255,116	266,392			97,086	-	363,478	363,478	1%
132018	Schoolcraft BPS	47,317	47,317				-	47,317	47,317	100%
132019	Wick Road BPS - Switchgear	9,358,231	56,912				-	56,912	56,912	1%
132020	Franklin BPS - Isolation Gate Valves	2,544,535	93,160				-	93,160	93,160	4%
132021	Imlay BPS - Replace VFDs, Pumps & Motors	749,810	227,346				-	227,346	227,346	30%
132022	Joy Road BPS - Replace Reservoir Pumps	39,613,214	71,380				-	71,380	71,380	0%

Great Lakes Water Authority  
 Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
 Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

**Water System**  
**Construction Work-in-Progress Quarterly Report**  
 As of June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
132025	Northwest Booster Station Yard Piping Improvements		20,155			152	-	20,306	20,306	100%
132026	Franklin Pumping Station Valve Replacement	1,006,467	821,090	613,000	613,000	158,953	980,043	-	980,043	97%
170100	Allowance: WTP/Pump Station	-		1,499,000	1,499,000		-	-	-	100%
170102	Water Production Plant Flow Metering Improvements at NE, SP & SW WTP	372,374	372,374			1,266	-	373,640	373,640	100%
170103	Belle Isle Water Supply Intake and Ice Boom Improvements		3,278			(3,278)	286,596	-	286,596	100%
170109	Inspection of Raw Water Intakes and Tunnels	1,656,069	-				-	-	-	0%
170120	Phosphoric Acid Feed System Improvements at Southwest WTP	1,625	-				634,509	-	634,509	39047%
170122	Meter Pit at Brownstown Township		133,306			(133,306)	-	-	-	100%
170200	As Needed Construction Materials, Environmental Media and Special Allowance	1,427,227		685,000	685,000		-	-	-	0%
170300	Water Treatment Plant Automation Program	13,249,000		5,440,000	4,475,000	9,000	-	9,000	9,000	0%
170301	Water Plant Automation	-	1,755,142				-	1,755,142	1,755,142	100%
170302	SW WTP SCADA Improvements	9,000,000		-	340,000	74,413	-	74,413	74,413	1%
170303	WWP WTP Power Monitoring Installation	1,700,000		-	(1,186,000)	203,628	-	203,628	203,628	12%
170304	WWP WTP SCADA Upgrade					13946.67	0	13946.67	13946.67	100%
170400	Water Transmission Improvement Program	33,171,211		1,776,000	1,776,000		-	-	-	0%
170401	Emergency Bypass Around Ypsilanti Station	1,661,231	1,662,615			970,667	2,633,282	-	2,633,282	159%
170500	Transmission System Valve Assessment and Rehabilitation/Replacement Program	5,350,164		1,177,000	1,177,000		-	-	-	0%
170502	Transmission System Valve Assessment and Rehabilitation/Replacement A		2,051,843			(726,155)	7,689,584	-	7,689,584	100%
170503	Transmission System Valve Assessment and Rehabilitation/Replacement B	10,071,663	393,559			1,716,681	-	2,110,241	2,110,241	21%
170600	Water Transmission Main Asset Assessment Program	8,438,215		54,000	54,000		-	-	-	0%
170800	Reservoir Inspection, Design and Rehabilitation Program	23,827,344		6,087,000	6,087,000		-	-	-	0%
170801	Reservoir Inspection, Design and Rehabilitation	15,090,049	2,615,570			8,842,069	-	11,457,639	11,457,639	76%
170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	40,718,957		2,535,000	2,535,000		-	-	-	0%

Great Lakes Water Authority  
Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Water System  
Construction Work-in-Progress Quarterly Report  
As of June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	10,616,499	4,529,883			4,001,232	-	8,531,114	8,531,114	80%
170902	Brownstown Meter Pit Rehabilitation	1,245,254	76,390			143,483	-	219,873	219,873	18%
171500	Roof Replacement - Var Facilities Program	22,710,989		173,000	173,000		-	-	-	0%
171501	Roof Replacements - Var Facilities Program	3,484,352	2,772,205			222,208	3,354,843	-	3,354,843	96%
331003	Masonry Replacement and Rehabilitation	25,000,000					-	-	-	0%
341001	Security Infrastructure Improvements	9,169,807	3,977,412	4,018,000	4,018,000	5,300,632	1,138,691	8,139,352	9,278,044	101%
351001	Water Facility Lighting Renovations	699,523	6,667	50,000	50,000		-	6,667	6,667	1%
380600	General Engineering Services Allowance	55,126					-	-	-	0%
380700	As-needed Engineering Services for Concrete Testing, Geotechnical Soil Borings, other Testing Services, and Related Services Allowance	2,130,722		715,000	715,000		-	-	-	0%
381000	Energy Management: Electric Metering Improvement Program	2,623,926					-	-	-	0%
Grand Total		\$ 2,353,709,015	\$ 126,197,522	\$ 147,564,000	\$ 149,084,750	\$ 131,687,819	\$ 190,131,444	\$ 204,853,029	\$ 394,984,473	17%
				Project Amendments	\$ 1,520,750					

## **FY 2021 Project Amendment Summary**

The purpose of the Project Amendment Summary is to illustrate the amendments to the current fiscal year board approved CIP for each project with an amendment resulting from the use of allowance and program funding for a specific amount necessitated by contract award.

The award of CIP contracts and the related execution thereof may result in deviation from the amount and timing of planned spend. Acknowledging the aforementioned deviation, project amendments are prepared to fund the related increase or decrease either to or from the Capital Reserve to amend the current fiscal year board approved Capital Improvement Plan accordingly and to inform decision makers in the development of future Capital Improvement Plans. Similar to the project amendments prepared for the Capital Reserve, project amendments are also prepared for contracts that are planned or funded by way of the CIP Program and Allowance accounts. As additional contracts are awarded and other project information becomes available additional project amendments to and from the Capital Reserve will be prepared to amend the board approved FY 2021 Capital Improvement Plan.

\$1,520,750 of Capital Reserve project amendments have been prepared as of June 30, 2021 as shown in the table on the next page along with project amendments detailing the assignment of funding within Program and Allowance accounts.

The order of the report on the subsequent page is in ascending order by CIP project number.

**Great Lakes Water Authority  
Water System Project Amendment Summary  
Unaudited Activity For the Fiscal Year Ended June 30, 2021**

**Water System  
Construction Work-in-Progress Quarterly Report**  
As of June 30, 2021

Project	Project Name	Program / Allowance	Capital Reserve	Grand Total
111009	Lake Huron WTP-35 MGD HLP, Flow Meters		\$ (713,540)	\$ (713,540)
111011	Lake Huron WTP Pilot Plant		\$ 2,200,000	\$ 2,200,000
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement		\$ (1,211,000)	\$ (1,211,000)
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park		\$ (505,450)	\$ (505,450)
122006	Transmission System Water Main Work-Wick Road Parallel Water Main		\$ 2,432,246	\$ 2,432,246
122011	Park-Merriman Water Main-Final Phase		\$ (1,798,046)	\$ (1,798,046)
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station		\$ 974,759	\$ 974,759
114017	Springwells Water Treatment Plant Flocculator Drive Replacement		\$ 141,782	\$ 141,782
170300	Water Treatment Plant Automation Program	\$ (1,526,000)		\$ (1,526,000)
170302	SW WTP SCADA Improvements	\$ 340,000		\$ 340,000
170303	WWP WTP Power Monitoring Installation	\$ 1,186,000		\$ 1,186,000
<b>Grand Total</b>		<b>\$ -</b>	<b>\$ 1,520,750</b>	<b>\$ 1,520,750</b>



## WASTEWATER SYSTEM

### Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2021-2025 and related CIP Plan for FY 2021 were based on anticipation of FY 2021 activity resulting in 75% of planned spend. The Wastewater System spend for the period ending June 30, 2021, is 76.9% of the prorated FY 2021 board approved CIP, 77.2% of the prorated FY 2021 board approved CIP with project amendments, and 102.5% of the FY 2021 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2021 Board Approved CIP was amended from \$110,638,000 to \$110,180,582 is provided in the subsequent Project Amendment Summary section of this report.

Wastewater System Projects		FY 2020	FY 2020 Activity	FY 2020 Percentage	FY 2021	FY 2021 Activity (Unaudited)	FY 2021 Percentage
FY 2020 Board Approved CIP	\$	161,480,000	\$	73,826,521			45.7%
FY 2020 Board Approved CIP With Project Amendments		156,884,005		73,826,521			47.1%
FY 2020 Capital Spend Rate Assumption (SRA)		121,110,000		73,826,521			61.0%
FY 2021 Board Approved CIP					\$	110,638,000	
FY 2021 Board Approved CIP With Project Amendments						110,180,582	
FY 2021 Capital Spend Rate Assumption (SRA)						82,978,500	
						\$	85,051,935
							76.9%
							77.2%
							102.5%

### **Construction Work-in-Progress Rollforward Summary By Jurisdiction**

The purpose of the construction work-in-progress (CWIP) summary rollforward by jurisdiction is to provide a high-level overview of the financial status of the projects identified within the current board approved CIP by their jurisdiction. Within the FY 2022 – 2026 Board Approved CIP Plan, projects are identified and categorized as either City of Detroit, Wayne County - Outside Detroit, Lapeer County, Macomb County, Oakland County, Saint Clair County or Multiple Counties and reflected accordingly in this report.

**\$191.1** million is in CWIP as of June 30, 2021, as shown in the table beginning on the next page.

The order of the report on the subsequent page is in ascending by jurisdiction alphabetically.

**Great Lakes Water Authority**

**Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward Summary by Jurisdiction**

**Unaudited Activity For the Fiscal Quarter Ended June 30, 2021**

<b>Jurisdiction</b>	<b>Total Project Plan Estimate from FY2022 - 2026 CIP</b>		<b>CWIP Balance July 1, 2020</b>		<b>FY 2021 Board Approved CIP</b>		<b>FY 2021 Board Approved CIP With Project Amendments</b>		<b>FY 2021 Activity through June 30, 2021</b>		<b>CWIP Balance June 30, 2021</b>	
City of Detroit	\$	1,311,840,369	\$	168,375,826	\$	69,244,000	\$	69,332,706	\$	58,740,415	\$	165,620,567
Mutiple Counties		422,491,975		8,595,723		41,394,000		40,847,876		25,807,105		24,943,964
Wayne County - Outside Detro		47,820,767		51,338						504,416		555,754
<b>Grand Total</b>	<b>\$</b>	<b>1,782,153,110</b>	<b>\$</b>	<b>177,022,887</b>	<b>\$</b>	<b>110,638,000</b>	<b>\$</b>	<b>110,180,582</b>	<b>\$</b>	<b>85,051,935</b>	<b>\$</b>	<b>191,120,285</b>

## Construction Work-in-Progress Rollforward

The purpose of the construction work-in-progress (CWIP) rollforward is to analyze the current year activity for each project in relation to the overall capital improvement program as well as the project portfolio overall.

As part of our project life cycle review the CA&FR team identifies when it is appropriate for projects to be capitalized. Projects are to be capitalized when they have been completed in totality or are inclusive of identifiable assets that have been placed in service. Capitalization of project cost occurred in the FY 2021 4<sup>th</sup> quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
211001	PC-757	Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery
232002	CON-109	Freud and Connor Creek Pump Station Improvements
260504	1900796	Rehabilitation of Outfalls - Phase II
260611	1803718	PF & 7 Mile CSO Instrumentation
260801	2004830	WRRF Sludge Pump Station #3 Roof Replacement

**\$191.1** million is in CWIP as of June 30, 2021, as shown in the table beginning on the next page.

The order of the report on the subsequent pages is in ascending order by CIP project number.

# Wastewater System

## Construction Work-in-Progress Quarterly Report

As of June 30, 2021

Great Lakes Water Authority  
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
211001	Rehabilitation of Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery	\$ 54,061,159.35	\$ 52,886,450.92	\$ 3,775,000.00	\$ 3,775,000.00	\$ 1,862,287.11	\$ 54,748,738.03	\$ -	\$ 54,748,738.03	101%
211002	Pump Station No. 2 Pumping Improvements	3,340,152	2,013,956			503,278	-	2,517,234	2,517,234	75%
211004	Pump Station 1 Rack & Grit and MPI Sampling Station 1 Improvements	23,295,382	27,605,573			260,110	-	27,865,682	27,865,682	120%
211005	Pump Station No. 2 Improvements	13,797,096	-			2,176	-	2,176	2,176	0%
211006	Pump Station No. 1 Improvements	68,709,404	1,283,830	645,000	645,000	2,207,689	-	3,491,519	3,491,519	5%
211007	Replacement of Bar Racks and Grit Collection System at Pump Station No. 2	76,228,576	5,176	3,098,000	3,098,000	1,504,267	-	1,509,443	1,509,443	2%
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines	11,387,944	1,629,677	5,522,000	2,943,000	241,089	-	1,870,766	1,870,766	16%
211009	Rehabilitation of the Circular Primary Clarifier Scum Removal System	13,007,908	2,734	313,000	313,000	36,940	-	39,674	39,674	0%
211010	Rehabilitation of Sludge Processing Complexes A and B	13,934,471	42,231			52,039	-	94,270	94,270	1%
211011	WRRF PS1 Screening and Grit Improvements	93,303,153					-	-	-	0%
212003	Aeration System Improvements	14,643,450	-				16,524,875	-	16,524,875	113%
212004	ProjectChlorination/Dechlorination Process Equipment Improvements	5,742,203	3,803,140	1,850,000	1,850,000	1,839,188	-	5,642,328	5,642,328	98%
212006	PC-797 Rouge River Outfall Disinfection and CS-1781 Oversight Consulting Services Contract	43,788,731	-				43,788,731	-	43,788,731	100%
212007	Rehabilitation of the Secondary Clarifiers	49,871,040	330			1,917	-	2,247	2,247	0%
212008	WRRF Rehabilitation of Intermediate Lift	81,931,310	16,175	4,612,000	4,612,000	567,188	-	583,363	583,363	1%
212009	WRRF Aeration Improvements 3 and 4	73,588,564					-	-	-	0%
212010	WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite and Sodium Bisulfite	5,765,452					-	-	-	0%
213006	Improvements to Sludge Feed Pumps at Dewatering Facilities	4,489,934	5,750	174,000	174,000	188,606	-	194,357	194,357	4%
213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP	22,162,273	16,878,502	2,258,000	2,258,000	3,241,510	-	20,120,012	20,120,012	91%
213008	Rehabilitation of the Wet and Dry Ash Handling Systems	8,432,039	111,335	1,338,000	1,338,000	39,723	-	151,058	151,058	2%
214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations	12,651,082	8,301,788	1,331,000	1,681,000	3,648,011	2,282,260	11,949,799	14,232,059	112%

# Wastewater System

## Construction Work-in-Progress Quarterly Report

As of June 30, 2021

Great Lakes Water Authority  
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
216004	Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP	6,645,397	1,637,516	1,300,000	2,882,302	1,433,339	-	3,070,854	3,070,854	46%
216006	Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System	23,874,377	73,474	4,291,000	4,291,000	965,470	-	1,038,944	1,038,944	4%
216007	DTE Primary Electric 3rd Feed Supply Line to the WRRF	4,544,429	2,354,996	1,296,000	1,296,000	1,025,787	543,500	3,380,783	3,924,283	86%
216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	40,820,651	5,671	1,362,000	1,362,000	256,364	-	262,035	262,035	1%
216009	Logistics & Material Facility	164,904	164,904	253,000	253,000	(18,498)	146,406	-	146,406	89%
216010	WRRF Facility Optimization	10,270,771	4,312	14,000	14,000	(4,312)	-	-	-	0%
216011	WRRF Structural Improvements	12,333,080					-	-	-	0%
216012	WRRF Research Facility					38,246	38,246	-	38,246	100%
222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District	53,397,144		975,000	553,502	475,416	-	475,416	475,416	1%
222002	Detroit River Interceptor Evaluation and Rehabilitation	72,775,106	20,151,096	23,634,000	23,634,000	16,946,490	-	37,097,586	37,097,586	51%
222004	Collection System Valve Remote Operation Structures Improvements	-	468,867	2,701,000	2,701,000	(464,622)	-	4,246	4,246	100%
232001	Fairview Pumping Station - Replace Four Sanitary Pumps	40,073,406	14,273,606	5,336,000	5,336,000	16,097,944	-	30,371,550	30,371,550	76%
232002	Freud and Connor Creek Pump Station Improvements	229,278,758	7,284,631	6,445,000	6,445,000	3,217,335	5,977,827	4,581,874	10,559,701	5%
232004	CONDITION ASSESSMENT AT BLUE HILL PUMP STATION	257,420		286,000	286,000		-	-	-	0%
233002	Collection System In System Storage Devices(ISOs) Improvements		235				-	235	235	100%
233003	Rouge River In-system Storage Devices	46,317,488					-	-	-	0%
260200	Sewer and Interceptor Evaluation and Rehabilitation Program	53,748,897		12,976,000	12,938,628		-	-	-	0%
260201	Conveyance System Interceptor Rehab	32,282,349	960,448			9,602,720	18,542,127	10,563,168	29,105,295	90%
260202	Conveyance System Interceptor Rehab		23,871			1,904	-	25,775	25,775	100%
260204	Energy Services for Rehabilitation of Conveyance Sewer System	52,157,408	912,742			31,104	-	943,846	943,846	2%
260205	NWI Outfall Rehabilitation	10,937,891	79,226			187,913	-	267,139	267,139	2%
260206	Conveyance System Rehabilitation - Interceptors	47,821,376		-	37,372	22,180	-	22,180	22,180	0%
260207	Rehabilitation of Woodward Sewer System					1,229,440	-	1,229,440	1,229,440	100%
260500	CSO Outfall Rehab	5,000,000		11,706,000	11,618,747		-	-	-	0%
260503	Collection System Backwater Gates		760			(760)	-	(0)	(0)	100%
260504	Rehabilitation of Outfalls - Phase II	5,051,112	2,202,000			2,698,745	4,900,746	-	4,900,746	97%
260505	Rehabilitation of Outfalls - Phase IV	5,718,385	1,586,323			3,352,502	-	4,938,825	4,938,825	86%

# Wastewater System Construction Work-in-Progress Quarterly Report

As of June 30, 2021

Great Lakes Water Authority  
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
260506	Pilot Regulator Orifice Expansion		78,641				-	78,641	78,641	100%
260508	B-39 Outfall Rehab	568,620	498			149,502	-	150,000	150,000	26%
260509	B-40 Outfall Rehab	88,500	66,293			11,328	-	77,621	77,621	88%
260510	Conveyance System Rehabilitation - Outfalls	48,863,036		-	87,253	34,594	-	34,594	34,594	0%
260600	CSO Facilities Improvements	126,400,000		7,492,000	7,492,000		-	-	-	0%
260601	Oakwood Drain Valve Improvements	864,218	26,199			122,939	804,574	-	804,574	93%
260602	CSO Fire Alarm System Improvements	997,619	-				997,619	-	997,619	100%
260603	Conner Creek CSO Basin Rehab	7,898,362	7,056,367			462,044	-	7,518,411	7,518,411	95%
260606	Puritan Fenkell Roof Replacement	346,540	-				346,540	-	346,540	100%
260607	Lieb SDF Electrical Improvements	1,032,687	179			(179)	1,032,508	(0)	1,032,508	100%
260608	Seven Mile RTB - Roof Replacement	496,699	-				496,699	-	496,699	100%
260609	Seven Mile RTB - Parking Lot / Sitework	416,597	369,559			59,998	429,557	-	429,557	103%
260610	Baby Creek MAU Replacement	275,151	-				275,151	-	275,151	100%
260611	HVAC Improvements At Lieb SDF	395,615	95,887			316,703	412,590	-	412,590	104%
260613	Baby Creek HVAC Improvements	587,628	51,338			478,568	-	529,906	529,906	90%
260614	CSO Facilities Structural Improvements	13,794,118	303,795			2,233,613	184,683	2,352,725	2,537,407	18%
260615	PF & Lieb CSO Facilities Site & Drainage Improvements	801,140	109,660			272,747	-	382,407	382,407	48%
260616	Baby Creek SCO Anchor & Wedge Improvements	782,863	666,495			103,619	770,114	-	770,114	98%
260617	St. Aubin Chemical Disinfection Improvements	6,966,364	250,348			166,704	-	417,052	417,052	6%
260618	Oakwood HVAC Improvements	3,966,512	75,672			294,853	-	370,525	370,525	9%
260619	Control System Upgrade At St. Aubin, Lieb and 7 Mile	116,179	61,593			1,173	-	62,766	62,766	54%
260620	Baby Creek Roof Replacement	640,500				25,848	-	25,848	25,848	4%
260621	Connor Creek Berm Improvements			-	610,778	284,034	-	284,034	284,034	100%
260622	CSO Facilities Emergency Generator Improvements					893	-	893	893	100%
260700	Sewer System Infrastructure Improvements & Pumping Stations	35,901,492					-	-	-	0%
260701	Conveyance System Infrastructure Improvements	4,586,079				1,384,239	-	1,384,239	1,384,239	30%
260702	Pump Station Assets Updates	669,000					-	-	-	0%
260801	WRRF Sludge Pump Station #3 Roof Replacement					80,463	80,463	-	80,463	100%
260901	Rehab. Hazmat Facility at WRRF					131,014	-	131,014	131,014	100%
260902	WRRF Renovation of 4th Floor					49,160	-	49,160	49,160	100%
270001	Pilot CSO Netting Facility	9,573,092		20,000	20,000	235	-	235	235	0%
270002	Meldrum Sewer Diversion and VR-15 Improvements	5,839,631					-	-	-	0%
270003	Long Term CSO Control Plan	9,267,841	3,545	2,796,000	2,796,000	2,126,012	2,123,961	5,596	2,129,558	23%
270004	Oakwood Lieb CSO Facility Improvement					3,564	-	3,564	3,564	100%

# Wastewater System Construction Work-in-Progress Quarterly Report

As of June 30, 2021

Great Lakes Water Authority  
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward  
Unaudited Activity For the Fiscal Quarter Ended June 30, 2021

Project	Project Name	Total Project Plan Estimate from FY2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through June 30, 2021	Life to date Capitalization/ Expense Through June 30, 2021	CWIP Balance June 30, 2021	Life to date Activity Through June 30, 2021	Life to date Activity / Total Project Plan Estimate
274001	Leib Improvements for Meldrum Diversion	10,941,804					-	-	-	0%
277001	Baby Creek Outfall Improvements Project	18,825,761	2,283	1,251,000	1,251,000	1,066,748	1,049,803	19,228	1,069,031	6%
278001	Oakwood Improvements for NWI Diversion	10,225,804					-	-	-	0%
331002	Roofing Systems Replacement at GLWA Wastewater Treatment Plant, CSO Retention Treatment Basins (RTB) and Screening Disinfection Facilities (SDF)	8,888,476	-	91,000	91,000		1,123,056	-	1,123,056	13%
341001	Security Infrastructure Improvements		1,033,207				-	1,033,207	1,033,207	100%
341002	Security Infrastructure Improvements	3,533,510		1,051,000	1,051,000	1,900,797	-	1,900,797	1,900,797	54%
381000	Energy Management: Electric Metering Improvement Program			446,000	446,000		-	-	-	100%
<b>Grand Total</b>		<b>\$ 1,782,153,110</b>	<b>\$ 177,022,887</b>	<b>\$ 110,638,000</b>	<b>\$ 110,180,582</b>	<b>\$ 85,051,935</b>	<b>\$ 157,620,773</b>	<b>\$ 191,120,285</b>	<b>\$ 348,741,058</b>	<b>20%</b>
				<b>Project Amendments</b>		<b>\$ (457,418)</b>				



## **FY 2021 Project Amendment Summary**

The purpose of the Project Amendment Summary is to illustrate the amendments to the current fiscal year board approved CIP for each project with an amendment resulting from the use of allowance and program funding for a specific amount necessitated by contract award.

The award of CIP contracts and the related execution thereof may result in deviation from the amount and timing of planned spend. Acknowledging the aforementioned deviation, project amendments are prepared to fund the related increase or decrease either to or from the Capital Reserve to amend the current fiscal year board approved Capital Improvement Plan accordingly and to inform decision makers in the development of future Capital Improvement Plans. Similar to the project amendments prepared for the Capital Reserve, project amendments are also prepared for contracts that are planned or funded by way of the CIP Program and Allowance accounts. As additional contracts are awarded and other project information becomes available additional project amendments to and from the Capital Reserve will be prepared to amend the board approved FY 2021 Capital Improvement Plan.

\$(457,518) of Capital Reserve project amendments have been prepared as of June 30, 2021 as shown in the table on the next page along with project amendments detailing the assignment of funding within Program and Allowance accounts.

The order of the report on the subsequent page is in ascending order by CIP project number.

**Great Lakes Water Authority  
Wastewater System Project Amendment Summary  
Unaudited Activity For the Fiscal Year Ended June 30, 2021**

**Wastewater System  
Construction Work-in-Progress Quarterly Report**  
As of June 30, 2021

Project	Project Name	Program / Allowance	Capital Reserve	Grand Total
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines		(2,579,000)	(2,579,000)
214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations		350,000	350,000
216004	Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP		1,582,302	1,582,302
222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District		(421,498)	(421,498)
260200	Sewer and Interceptor Evaluation and Rehabilitation Program	(37,372)		(37,372)
260206	Conveyence System Rehabilitation - Interceptors	37,372		37,372
260500	CSO Outfall Rehab	(87,253)		(87,253)
260510	Conveyence System Rehabilitation - Outfalls	87,253		87,253
260621	Connor Creek Berm Improvements		610,778	610,778
<b>Grand Total</b>		<b>\$ -</b>	<b>\$ (457,418)</b>	<b>\$ (457,418)</b>