



Financial Services Audit Committee Communication

Date: June 25, 2021

To: Great Lakes Water Authority Audit Committee

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

Re: FY 2021 Q3 Construction Work-in-Progress Report through March 31, 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 Q3 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 March 31, 2021

For questions, please contact:

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June 25, 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 March 31, 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: This table provides a summary listing of at the project category 3 level of all projects in the CIP along with financial activity. This summary table may be used to better understand the CIP at a high level.

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 March 31, 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 March 31, 2021 is 87.3% of the FY 2021 pro-rated board approved CIP, 86.5% of the pro-rated FY 2021 board approved CIP with project amendments, and 116.5% of the FY 2021 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2021 Board Approved CIP was amended from \$147,564,000 to \$149,084,750 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 Prorated (Nine Months)	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	\$ 110,673,000	\$ 96,672,173	87.3%
FY 2021 Board Approved CIP With Project Amendments					149,084,750	111,813,540	96,672,173	86.5%
FY 2021 Capital Spend Rate Assumption (SRA)					110,673,000	83,004,750	96,672,173	116.5%

Construction Work-in-Progress Rollforward Summary

The purpose of the construction work-in-progress (CWIP) summary rollforward is to provide a high-level overview of the financial status of the projects identified within the current board approved CIP. To better understand the extent of the planned activity within Water System under the responsibility of GLWA, the summary numbering is based on the six digit “smart” numbering system as identified within the CIP Plan. At a summary level this reporting rollup of the first three digits of the project numbers contains a substantial amount of reference information that will help the reader familiarize themselves with the plan of the projects identified within the Board approved CIP and status of projects currently underway.

\$193.1 million is in CWIP as of March 31, 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 the first three digits of the CIP project number.

Great Lakes Water Authority
Water System Summary Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Category-3	Category-3 Description	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
111	Lake Huron	\$ 199,416,920	\$ 15,820,210	\$ 3,558,515	\$ 12,610,068	\$ 10,816,304	\$ 23,426,372	12%
112	Northeast	85,123,169	633,440	557,910	1,169,962	1,191,349	2,361,311	3%
113	Southwest	39,038,010	5,745,461	589,325	6,651,753	536,251	7,188,005	18%
114	Springwells	591,439,652	32,023,773	19,719,185	112,927,354	43,512,683	156,440,037	26%
115	Water Works Park	161,973,452	2,840,253	1,795,534	6,957,032	4,635,788	11,592,820	7%
116	General Purpose	97,061,880	18,513,669	9,055,665	-	27,569,335	27,569,335	28%
122	Transmission System	623,977,856	23,386,102	40,915,663	10,344,092	63,943,957	74,288,049	12%
132	Pump Stations & Reservoirs	312,206,748	6,884,368	5,093,370	2,722,522	10,997,695	13,720,217	4%
170	Programs	177,596,882	13,593,961	11,830,296	8,947,815	23,761,442	32,709,258	18%
171	Roof Replacement Program	26,195,341	2,772,205	222,368	3,354,843	161	3,355,004	13%
331	General Purpose	25,000,000			-	-	-	0%
341	General Purpose	9,169,807	3,977,412	3,334,342	1,138,691	6,173,062	7,311,753	80%
351	General Purpose	699,523	6,667		-	6,667	6,667	1%
380	Programs	2,185,848			-	-	-	0%
381	Energy Management	2,623,926			-	-	-	0%
Grand Total		\$ 2,353,709,015	\$ 126,197,522	\$ 96,672,173	\$ 166,824,132	\$ 193,144,695	\$ 359,968,827	\$ 15%

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 3rd quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
113002	CON-281	High Lift Discharge Valve Actuator SWWTP
114003	CON-133	Water Prod Flow Metering NE, SE, SPW
132026	1802146	Franklin PS Valve Rehab
170401	CON-181	Ypsilanti Pumping Station Bypass

\$193.1 million is in CWIP as of March 31, 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.

Great Lakes Water Authority
 Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Water System
Construction Work-in-Progress Quarterly Report
 As of March 31, 2021

Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 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	\$ 1,126,270	\$ -	\$ 1,338,304	\$ 1,338,304	2%
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	202,715	-	1,276,180	1,276,180	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	2,165,209	-	8,052,860	8,052,860	88%
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	32,131	-	148,886	148,886	0%
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	-	-	-	-	0%
111012	LHWTP-Flocculation Improvements	26,538,016	-	-	-	74	-	74	74	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	-	-	142,910	-	148,695	148,695	0%
112005	Northeast Water Treatment Plant - Replacement of Covers for Process Water Conduits	1,088,655	438,463	1,096,000	1,096,000	355,663	-	794,126	794,126	73%
112006	Northeast Water Treatment Plant Flocculator Replacements	11,316,013	186,274	2,773,000	2,773,000	62,255	-	248,528	248,528	2%
113001	Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment Facilit	-	341,324	-	-	2,936	-	344,260	344,260	100%
113002	High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP	6,728,375	5,272,232	1,094,000	1,094,000	526,693	5,798,535	390	5,798,925	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	61,517	-	191,490	191,490	3%
113007	Architectural and Building Mechanical Springwells Water Treatment Plant 1958	3,167,022	-	-	-	-	-	-	-	0%
114001	Filter Rehabilitation and Auxiliary Facilities	80,828,071	-	-	-	(0)	99,764,892	(0)	99,764,892	123%

Great Lakes Water Authority
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Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Water System
Construction Work-in-Progress Quarterly Report
As of March 31, 2021

Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	224,221,541	5,496,115	7,113,000	8,087,759	5,253,717	-	10,749,832	10,749,832	5%
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	197,145	-	1,141,118	1,141,118	12%
114006	Replacement of Rapid Mix Units at Springwells WTP 1958 Process Train	-	9,390	-	-	-	1,021,039	9,390	1,030,429	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	6,619,035	23,038	9,977,906	10,000,944	72%
114010	Yard Piping Improvements	200,471,687	241,135	1,000	1,000	116,353	-	357,488	357,488	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	6,498,269	-	16,582,003	16,582,003	65%
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	-	-	783,583	-	4,369,639	4,369,639	89%
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement	2,280,781	94,862	1,663,000	452,000	91,182	-	186,044	186,044	8%
114017	Springwells Water Treatment Plant Flocculator Drive Replacement	12,358,115	1,071	315,000	1,501,000	137,470	-	138,541	138,541	1%
114018	Springwells Water Treatment Plant - Service Building Electrical Substation and Miscellaneous Improvements	1,544,706	-	-	-	722	-	722	722	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	1,443,654	-	4,282,781	4,282,781	8%
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	342,317	-	343,443	343,443	7%
115006	Water Works Park Site/Civil Improvements	5,881,718	-	-	-	-	-	-	-	0%
115007	Water Works Park High Lift Pumping Station Modernization	88,946,247	-	-	-	-	-	-	-	0%

Great Lakes Water Authority
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116002	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on	94,880,203	18,513,669	14,138,000	14,138,000	9,055,665	-	27,569,335	27,569,335	29%
116005	Belle Isle Seawall Rehabilitation	1,831,677	-	-	-	-	-	-	-	0%
116006	Belle Isle Intake System Rehabilitation and Improvements	350,000	-	-	-	-	-	-	-	0%
122003	New Waterworks Park to Northeast Transmission Main	143,217,044	5,190,146	11,703,000	11,703,000	10,972,090	-	16,162,235	16,162,235	11%
122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	144,852,077	1,816,305	5,267,000	5,267,000	6,499,722	-	8,316,026	8,316,026	6%
122005	Replacement Schoolcraft Watermain	15,325,893	1,381,778	13,141,000	13,141,000	3,477,363	-	4,859,141	4,859,141	32%
122006	Transmission System Water Main Work-Wick Road Parallel Water Main	22,419,614	5,902,921	9,975,000	12,407,246	9,479,586	-	15,382,507	15,382,507	69%
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	2,526,619	-	7,748,540	7,748,540	81%
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	6,836,788	357,808	10,121,885	10,479,693	10%
122016	Downriver Transmission Loop	37,067,100	224,909	1,748,000	1,748,000	1,112,400	-	1,337,309	1,337,309	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	11,095	-	14,509	14,509	0%
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	35,823	1,742,479	37,535	1,780,014	91%
132006	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chica	3,363,699	1,883,902	987,000	987,000	1,252,214	-	3,136,117	3,136,117	93%
132007	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station	5,187,314	167,665	4,211,000	4,211,000	515,478	-	683,144	683,144	13%
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	2,856,571	-	5,316,603	5,316,603	12%
132011	Energy Management: West Service Center (WSC) VFD Installation	-	-	-	-	369	-	369	369	100%
132012	Ypsilanti PS Improvements	35,393,046	333,589	846,000	846,000	114,293	-	447,882	447,882	1%
132014	Adams Road Booster Pumping Improvements	52,864,694	83,262	-	-	-	-	83,262	83,262	0%

Great Lakes Water Authority
Water System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Water System
Construction Work-in-Progress Quarterly Report
As of March 31, 2021

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132015	Newburgh BPS	45,044,000	350,454	973,000	973,000	71,381	-	421,835	421,835	1%
132016	North Service Center BPS Improvements	68,255,116	266,392	-	-	86,211	-	352,603	352,603	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%
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	160,879	980,043	1,926	981,969	98%
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	0	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	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	-	-	-	-	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	66,146	-	66,146	66,146	1%
170303	WWP WTP Power Monitoring Installation	1,700,000	-	-	(1,186,000)	36,275	-	36,275	36,275	2%
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	-	-	200	1,662,815	-	1,662,815	100%
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	-	-	171,513	6,363,896	2,223,357	8,587,253	100%

Great Lakes Water Authority
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As of March 31, 2021

Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
170503	Transmission System Valve Assessment and Rehabilitation/Replacement B	10,071,663	393,559	-	-	2,097,001	-	2,490,560	2,490,560	25%
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	-	-	6,490,153	-	9,105,724	9,105,724	60%
170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	40,718,957	-	2,535,000	2,535,000	-	-	-	-	0%
170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	10,616,499	4,529,883	-	-	2,971,020	-	7,500,903	7,500,903	71%
170902	Brownstown Meter Pit Rehabilitation	1,245,254	76,390	-	-	-	-	76,390	76,390	6%
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	-	-	222,368	3,354,843	161	3,355,004	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	3,334,342	1,138,691	6,173,062	7,311,753	80%
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	\$ 96,672,173	\$ 166,824,132	\$ 193,144,695	\$ 359,968,827	15%
					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 March 31, 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 March 31, 2021

Water System
Construction Work-in-Progress Quarterly Report
 As of March 31, 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		119,550	119,550
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
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park		(625,000)	(625,000)
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
Grand Total		\$ -	\$ 1,520,750	\$ 1,520,750

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 March 31, 2021 is 77.2% of the prorated FY 2021 board approved CIP, 77.6% of the prorated FY 2021 board approved CIP with project amendments, and 103% 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 Prorated (Nine Months)	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	\$ 82,978,500	\$ 64,092,967	77.2%
FY 2021 Board Approved CIP With Project Amendments				110,180,582	82,635,437	64,092,967	77.6%
FY 2021 Capital Spend Rate Assumption (SRA)				82,978,500	62,233,875	64,092,967	103.0%

Construction Work-in-Progress Rollforward Summary

The purpose of the construction work-in-progress (CWIP) summary rollforward is to provide a high-level overview of the financial status of the projects identified within the current board approved CIP. To better understand the extent of the planned activity within Wastewater System under the responsibility of GLWA, the summary numbering is based on the six digit “smart” numbering system as identified within the CIP Plan. At a summary level this reporting rollup of the first three digits of the project numbers contains a substantial amount of reference information that will help the reader familiarize themselves with the plan of the projects identified within the Board approved CIP and status of projects currently underway.

\$237.3 million is in CWIP as of March 31, 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 the first three digits of the CIP project number.

Great Lakes Water Authority
Water System Summary Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Category-3	Category-3 Description	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
211	Primary Treatment	\$ 371,065,245	\$ 85,469,628	\$ 5,366,260	\$ -	\$ 90,835,888	\$ 90,835,888	24%
212	Secondary Treatment & Disinfection	275,330,750	3,819,646	2,077,887	60,313,606	5,897,533	66,211,139	24%
213	Residuals Management	35,084,246	16,995,587	2,626,191	-	19,621,778	19,621,778	56%
214	Industrial Waste Control	12,651,082	8,301,788	3,582,960	2,282,260	11,884,748	14,167,008	112%
216	General Purpose	98,653,609	4,240,873	1,906,478	580,573	6,110,277	6,690,851	7%
222	Interceptor	126,172,250	20,619,964	14,394,643	-	35,014,606	35,014,606	28%
232	Pump Stations	269,609,584	21,558,237	14,205,187	565,950	35,255,209	35,821,159	13%
233	In System Devices	46,317,488	235	-	-	235	235	0%
260	Programs	470,172,937	14,977,894	17,013,033	23,694,889	30,642,118	54,337,007	12%
270	Multiple CSO facilities	24,680,564	3,545	910,678	908,860	5,364	914,224	4%
274	Leib	10,941,804	-	-	-	-	-	0%
277	Baby Creek	18,825,761	2,283	995,313	983,115	14,481	997,596	5%
278	Oakwood	10,225,804	-	-	-	-	-	0%
331	General Purpose	8,888,476	-	-	1,123,056	-	1,123,056	13%
341	General Purpose	3,533,510	1,033,207	1,014,337	-	2,047,544	2,047,544	58%
Grand Total		\$ 1,782,153,110	\$ 177,022,887	\$ 64,092,967	\$ 90,452,308	\$ 237,329,781	\$ 327,782,090	18%

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 3rd quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
232002	CON-109	Freud and Connor Creek Pump Station Improvements
260609	1804112	Seven Mile RTB - Parking Lot Replacement/Sitework

\$237.3 million is in CWIP as of March 31, 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.

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Wastewater System
Construction Work-in-Progress Quarterly Report
As of March 31, 2021

Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 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	\$ 52,886,451	\$ 3,775,000	\$ 3,775,000	\$ 1,862,287	\$ -	\$ 54,748,738	\$ 54,748,738	101%
211002	Pump Station No. 2 Pumping Improvements	3,340,152	2,013,956	-	-	478,562	-	2,492,518	2,492,518	75%
211004	Pump Station 1 Rack & Grit and MPI Sampling Station 1 Improvements	23,295,382	27,605,573	-	-	135,572	-	27,741,145	27,741,145	119%
211005	Pump Station No. 2 Improvements	13,797,096	-	-	-	4,290	-	4,290	4,290	0%
211006	Pump Station No. 1 Improvements	68,709,404	1,283,830	645,000	645,000	1,650,530	-	2,934,360	2,934,360	4%
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	879,534	-	884,710	884,710	1%
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	249,830	-	1,879,507	1,879,507	17%
211009	Rehabilitation of the Circular Primary Clarifier Scum Removal System	13,007,908	2,734	313,000	313,000	34,063	-	36,798	36,798	0%
211010	Rehabilitation of Sludge Processing Complexes A and B	13,934,471	42,231	-	-	71,592	-	113,823	113,823	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	Project Chlorination/Dechlorination Process Equipment Improvements	5,742,203	3,803,140	1,850,000	1,850,000	1,692,171	-	5,495,311	5,495,311	96%
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	-	-	2,468	-	2,798	2,798	0%
212008	WRRF Rehabilitation of Intermediate Lift	81,931,310	16,175	4,612,000	4,612,000	383,248	-	399,424	399,424	0%
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	58,652	-	64,402	64,402	1%
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	2,528,077	-	19,406,579	19,406,579	88%
213008	Rehabilitation of the Wet and Dry Ash Handling Systems	8,432,039	111,335	1,338,000	1,338,000	39,461	-	150,797	150,797	2%

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Wastewater System
Construction Work-in-Progress Quarterly Report
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Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations	12,651,082	8,301,788	1,331,000	1,681,000	3,582,960	2,282,260	11,884,748	14,167,008	112%
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	524,367	-	2,161,883	2,161,883	33%
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	390,761	-	464,235	464,235	2%
216007	DTE Primary Electric 3rd Feed Supply Line to the WRRF	4,544,429	2,354,996	1,296,000	1,296,000	906,657	543,500	3,261,652	3,805,152	84%
216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	40,820,651	5,671	1,362,000	1,362,000	65,227	-	70,899	70,899	0%
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	890	-	5,202	5,202	0%
216011	WRRF Structural Improvements	12,333,080	-	-	-	-	-	-	-	0%
216012	WRRF Research Facility	-	-	-	-	37,073	37,073	-	37,073	100%
222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District	53,397,144	-	975,000	553,502	2,652	-	2,652	2,652	0%
222002	Detroit River Interceptor Evaluation and Rehabilitation	72,775,106	20,151,096	23,634,000	23,634,000	13,422,706	-	33,573,802	33,573,802	46%
222004	Collection System Valve Remote Operation Structures Improvements	-	468,867	2,701,000	2,701,000	969,285	-	1,438,153	1,438,153	100%
232001	Fairview Pumping Station - Replace Four Sanitary Pumps	40,073,406	14,273,606	5,336,000	5,336,000	11,947,415	-	26,221,021	26,221,021	65%
232002	Freud and Connor Creek Pump Station Improvements	229,278,758	7,284,631	6,445,000	6,445,000	2,257,771	565,950	9,034,187	9,600,137	4%
232004	CONDITION ASSESSMENT AT BLUE HILL PUMP STATION	257,420	-	286,000	286,000	-	-	-	-	0%
233002	Collection System In System Storage Devices (ISDs) 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	-	-	7,890,834	18,542,127	8,851,282	27,393,409	85%
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	-	-	(93,998)	-	818,744	818,744	2%
260205	NWI Outfall Rehabilitation	10,937,891	79,226	-	-	135,313	-	214,539	214,539	2%
260206	Conveyance System Rehabilitation - Interceptors	47,821,376	-	-	37,372	1,496	-	1,496	1,496	0%
260207	Rehabilitation of Woodward Sewer System	-	-	-	-	1,067,880	-	1,067,880	1,067,880	100%

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
Unaudited Activity For the Fiscal Quarter Ended March 31, 2021

Wastewater System
Construction Work-in-Progress Quarterly Report
As of March 31, 2021

Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 2021	Life to date Activity / Total Project Plan Estimate
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	-	-	2,656,668	-	4,858,668	4,858,668	96%
260505	Rehabilitation of Outfalls - Phase IV	5,718,385	1,586,323	-	-	3,050,564	-	4,636,887	4,636,887	81%
260506	Pilot Regulator Orifice Expansion	-	78,641	-	-	-	-	78,641	78,641	100%
260508	B-39 Outfall Rehab	568,620	498	-	-	142,002	-	142,500	142,500	25%
260509	B-40 Outfall Rehab	88,500	66,293	-	-	(7,698)	-	58,595	58,595	66%
260510	Conveyance System Rehabilitation - Outfalls	48,863,036	-	-	87,253	1,564	-	1,564	1,564	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	-	-	386,443	-	7,442,811	7,442,811	94%
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	-	-	237,748	-	333,635	333,635	84%
260613	Baby Creek HVAC Improvements	587,628	51,338	-	-	404,048	-	455,386	455,386	77%
260614	CSO Facilities Structural Improvements	13,794,118	303,795	-	-	14,890	-	318,684	318,684	2%
260615	PF & Lieb CSO Facilities Site & Drainage Improvements	801,140	109,660	-	-	176,977	-	286,638	286,638	36%
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	-	-	131,483	-	381,831	381,831	5%
260618	Oakwood HVAC Improvements	3,966,512	75,672	-	-	276,248	-	351,920	351,920	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	-	-	-	25,422	-	25,422	25,422	4%
260621	Connor Creek Berm Improvements	-	-	-	610,778	226,073	-	226,073	226,073	100%
260622	CSO Facilities Emergency Generator Improvements	-	-	-	-	383	-	383	383	100%
260700	Sewer System Infrastructure Improvements & Pumping Stations	35,901,492	-	-	-	-	-	-	-	0%
260701	Conveyance System Infrastructure Improvements	4,586,079	-	-	-	-	-	-	-	0%
260702	Pump Station Assets Updates	669,000	-	-	-	-	-	-	-	0%
270001	Pilot CSO Netting Facility	9,573,092	-	20,000	20,000	-	-	-	-	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	910,678	908,860	5,364	914,224	10%

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2021 Rollforward
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Wastewater System
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Project	Project Name	Total Project Plan Estimate from FY 2022 - 2026 CIP	CWIP Balance July 1, 2020	FY 2021 Board Approved CIP	FY 2021 Board Approved CIP With Project Amendments	FY 2021 Activity through March 31, 2021	Life to date Capitalization/ Expense Through March 31, 2021	CWIP Balance March 31, 2021	Life to date Activity Through March 31, 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	995,313	983,115	14,481	997,596	5%
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	-	-	18,716	-	1,051,922	1,051,922	100%
341002	Security Infrastructure Improvements	3,533,510	-	1,051,000	1,051,000	995,621	-	995,621	995,621	28%
381000	Energy Management: Electric Metering Improvement Program	-	-	446,000	446,000	-	-	-	-	100%
Grand Total		\$ 1,782,153,110	\$ 177,022,887	\$ 110,638,000	\$ 110,180,582	\$ 64,092,967	\$ 90,452,308	\$ 237,329,781	\$ 327,782,090	18%
					Project Amendments	\$ (457,418)				

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 March 31, 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 March 31, 2021

Wastewater System
Construction Work-in-Progress Quarterly Report
 As of March 31, 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
Grand Total		\$ -	\$ (457,418)	\$ (457,418)