



WRRF Relocation of Industrial Waste Control Division and Analytical Laboratory Operations

PROJECT SUMMARY

- Innovation
- MP Right Sizing
- System Reliability

Project Status

Future Planned

Project Status Guide:

Active: One or more phases have started, including procurement
 New: First appearance in CIP
 Future Planned: No Phases have Started
 Cancelled-Closed: All Phases Have Officially Closed or Project Cancelled
 Pending Closeout: Project at Substantial Completion but not closed out
 Archived: Project closed or completed for more than one year
 Reclassified: Projects that have been merged with other projects

Project Title

WRRF Relocation of Industrial Waste Control Division and Analytical Laboratory Operations

Project Significance Laboratory Optimization, Continued operation of IWC and Lab, lease termination for analytical laboratory, and utilization of available space in WRRF NAB

Year Added: 2014

CIP Type: Project

Date Original BCE Prepared: 10/12/2016

Budget: Wastewater

Date BCE Last Updated: 9/18/2017

Project Classification Level 1: Wastewater

Project Engineer/Manager: Beena Chackunkal

Project Classification Level 2: WRRF

Title: Engineer

Project Classification Level 3: IWC

Phone: (313) 297-9825

Project Location: City of Detroit

Email: Beena.Chackunkal@glwater.or

Fund: 5421

Manager: Ali Khraizat

Cost Center: 892211

Managing Dept WW Eng

PROJECT INFORMATION

Scope of Work: Relocate Industrial Waste Control Division and Analytical Lab to New Administration Building at WRRF. Consolidate the existing Operations Lab with Analytical Lab.

Project History: In accordance with the NPDES Permit, GLWA implements and enforces an Industrial Pretreatment Program (IPP), and regulates the discharge of wastewater from commercial and industrial sources throughout the service area. A key component of the IPP includes the performance of analytical testing on wastewater samples collected from industrial and commercial sources, in-system samples from the sewer system and other sources including groundwater and septage.

The Industrial Waste Control Division (IWC) is responsible for implementation of the IPP, and analytical services are obtained from the Analytical Laboratory located at the MCHT facility. IWC activities are housed at the Livernois Center Building (LCB) located at 303 S. Livernois, while the Analytical Laboratory leases space at the MCHT on Second Avenue.

The State of Michigan Department of Transportation and the Govt. of Canada have proposed to construct a new bridge crossing across the Detroit River, with a completion date of 2020. The Livernois Center Building lies within the area designated for the Bridge and support services and need to be relocated. It would be desirable to relocate the laboratory facilities at the same time to optimize the operations and make use of



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New CIP# **214001**

Old CIP# **1285**

underutilized GLWA facilities rather than lease space from a 3rd party.

Driver: 3 - Regulatory

Challenges: Maintaining the laboratory operations during relocation.

Other Important Info:

Related Project: none



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Phase Overview

Phase Title Construction of new Industrial Waste Control Division and Analytical Laboratory Operations

Phase Category: C

Budget: Wastewater

Contract Number:

Phase Status: Future Planned Start

Start Date:

End Date:

Phase Cost Allocation: IWC

Phase Financial Source: DE

Lookup Cost Est Class:

Cost Estimation Date:

Cost Estimation Source:

Cost Estimation Prep By: Engineer

Useful Life > 20Yrs Yes

Comments:

PPAT (Phase Program/Allowance Task) Information

PPAT CIP Number

PPAT SOW

Change PPAT PM

Phase Expenses

CURRENT PHASE BUDGET Contract No

Phase Title PPAT CIP Number Phase Status

Expense Type	FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond
Construction		3,540	6,868	884			
Engineering Services							
GLWA Salaries		318	618	80			
Materials							
Other							

Current Phase Fringe Benefit Expenses

FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond
0	127	247	32	0	0	0

Current Phase Non-Personnel Expenses

FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond
0	16	31	4	0	0	0



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Current Phase Total	FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond
	0	4,001	7,764	1,000	0	0	0

ALL PHASES TOTAL	FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond
	0	4,001	7,764	1,000	0	0	0

Phase Tasks and Dates

Phase Category	C
Budget	Wastewater
Phase Status	Future Planned Start
Contract No	
Cost Est Class	

Construction

Task Name	Start Date	Duration	End Date
Scope Development	1/4/2018	180	7/3/2018
Procurement	7/3/2018	172	12/22/2018
Project Execution	12/23/2018	540	6/15/2020
Project Closeout	6/16/2020	60	8/15/2020

PROJECT PRIORITIZATION SCORING

Project Manager Score

Criteria	Score	Score Comment
Condition	3	Immediate replacement require
Performance (Service Level/Reli	4	Likelyhood of serious inconvenie
Regulatory (Environmental/Lega	5	Project is part of a mandated or
O&M	2	Major,measurable positive impa
Public Health & Safety	3	Cancelling project will continue
Public Benefit	3	Supports neighborhood growth
Financial	3	securing of grants/external fund
Efficiency and Innovation	5	Substantial operational efficienci

Project Manager Weighted Score

71.6

Review Committee Score

Criteria	Score	Score Comment
Condition	3	
Performance (Service Level/Reliabilit	2	
Regulatory (Environmental/Legal)	5	
O&M	2	
Public Health & Safety	2	
Public Benefit	3	
Financial	3	
Efficiency and Innovation	5	

Review Committee Weighted Score

62.2

Describe Here the Changes from the 2018 CIP to 2019 CIP



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Estimated cost changed because the previous estimate was low. Refined the scope and Project History.

CIP Version	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24 and Beyond	Total
2018			5,000	2,000						7,000
2019		182	0	4,001	7,764	1,000	0	0	0	12,947