

CIP Changes Since Preliminary Draft 1



CIP

CAPITAL IMPROVEMENT PLAN

2021 - 2025

PRELIMINARY DRAFT NO.1



What Is the CIP Trying to Accomplish

- Increased redundancy, reliability & resiliency of water & wastewater systems
- Adherence with long-term planning document recommendations
- Stakeholder Input – Provide opportunity for Board, Member Partners & vendor community to provide input
- Best-in-class planning & execution of capital program
- CIP alignment with the Financial Plan

The goal of the plan is to provide regional collaboration & planning to minimize capital expenditures while providing the best water & sewer services to our member partners.

2021-2025 CIP Preliminary Draft 2 – Modifications Made

- Table VII-4. 10-Year Wastewater CIP Outlook Summary – Total corrected
- Water 5-year and 10-year total changed
- CIP No. 122018 Garland, Hurlbut, Bewick Water Transmission System Rehabilitation was moved up due it being a predecessor project requirement
- GIS City of Detroit and County Map Added
- Updated P6 schedules included
- Addition of Chapter 3 content

CIP Changes Since Preliminary Draft 1 (continued)



Table VII-4. 10-Year Wastewater CIP Outlook Summary

10 -Year Wastewater CIP Outlook

Note: Figures below are in thousands of dollars

FY2020 Outlook	FY2020	FY2021	FY2022	FY2023	FY2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY2030	Total 2020-2029
Projects	124,674	93,830	117,326	117,857	85,596	49,184	50,286	33,393	21,000	16,438	NA	709,584
Programs	36,806	38,600	32,851	41,527	44,563	34,600	33,600	38,600	38,600	43,600	NA	383,347
Not Yet Specified Masterplan Projects						65,000	70,000	85,000	100,000	110,000	NA	430,000
Subtotal 2020 Wastewater CIP 10-year average	161,480	132,430	150,177	159,384	130,159	148,784	153,886	156,993	159,600	170,038	NA	1,522,931
Proposed FY2021 Outlook	FY2020	FY2021	FY2022	FY2023	FY2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY2030	Total 2021-2030
Projects		78,021	55,725	92,062	172,003	129,068	101,580	115,656	92,711	90,875	76,308	1,004,008
Programs		32,619	57,033	48,779	31,256	42,870	37,688	12,000	12,000	12,000	29,000	315,245
Not Yet Specified Masterplan Projects							10,000	23,000	40,000	60,000	70,678	203,678
Subtotal 2021 Wastewater CIP		110,640	112,758	140,841	203,259	171,938	139,267	127,656	104,711	102,875	105,308	1,319,253

1,522,931

CIP Changes Since Preliminary Draft 1 (continued)

Water 5-year and 10-year total changed

2021-2025 CIP	5-year CIP (\$1,000's)		10-year Plan (\$1,000's)	
	Water	Sewer	Water	Sewer
Preliminary Draft No. 1	\$ 922,272	\$ 739,434	\$ 1,753,438	\$ 1,522,931
Preliminary Draft No. 2	\$ 935,411	\$ 739,435	\$ 1,716,868	\$ 1,522,931
Dollar Change	\$ 13,139	\$ -	\$ (36,570)	\$ -
% Change	1%	0%	-2%	0%

CIP Changes Since Preliminary Draft 1 (continued)

Project Status	Future Planned	<input checked="" type="checkbox"/> Innovation <input type="checkbox"/> Conc. WW Master Plan <input type="checkbox"/> Water MP Right Sizing <input checked="" type="checkbox"/> Reliability/Redundancy <input checked="" type="checkbox"/> NEWTP Repurposing <input checked="" type="checkbox"/> Project New To CIP	CIP Number:	122018
Class Lvl 1	Water		Project Title	Garland, Hurlbut, Bewick Water Transmission System Rehabilitation
Class Lvl 2	Field Services			
Class Lvl 3	Transmission System			
Location	City of Detroit			

Project Engineer/Manager	Timothy Kuhns	Project Score	89
Director	Grant Gartrell		

Problem Statement A large proportion of the water transmission mains (WTM) within the City of Detroit were constructed between the decades of 1870 and 1930. Mains constructed during this period have exceeded their service life and will require replacement in the near term. Several WTM within this age of construction have strategic importance as they can be used to transmit flows between the Water Works Park WTP and the Northeast WTP.

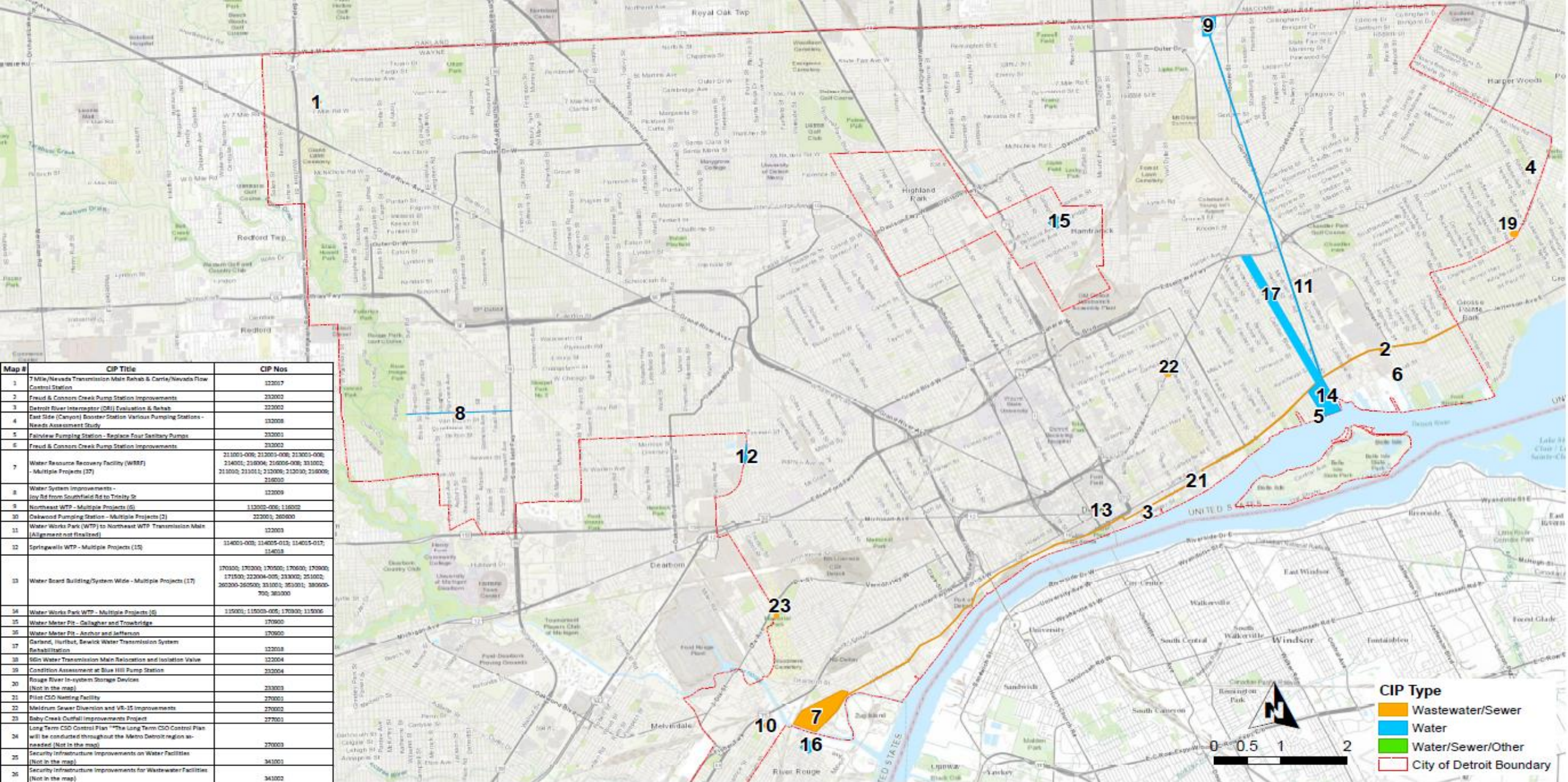
Scope of Work / Project Alternatives This project involves rehab of WTM along Garland Street, Hurlbut Street, and Bewick Street between Jefferson Avenue and I-94 within the east side of the City of Detroit. This project will include a detailed condition assessment of these WTM to evaluate the appropriate rehabilitation method.

Other Important Info This project will be implemented concurrently with Phase 3 of CIP:122003 WWP to NE Transmission Main Project.

Project Expenses Compared to Previous CIP Versions (All figures are in \$1,000's)

CIP Alias	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	Total	5-Yr Total
2021	0	0	0	0	121	1,717	2,037	2,690	4,006	4,006	30,000	44,577	14,456

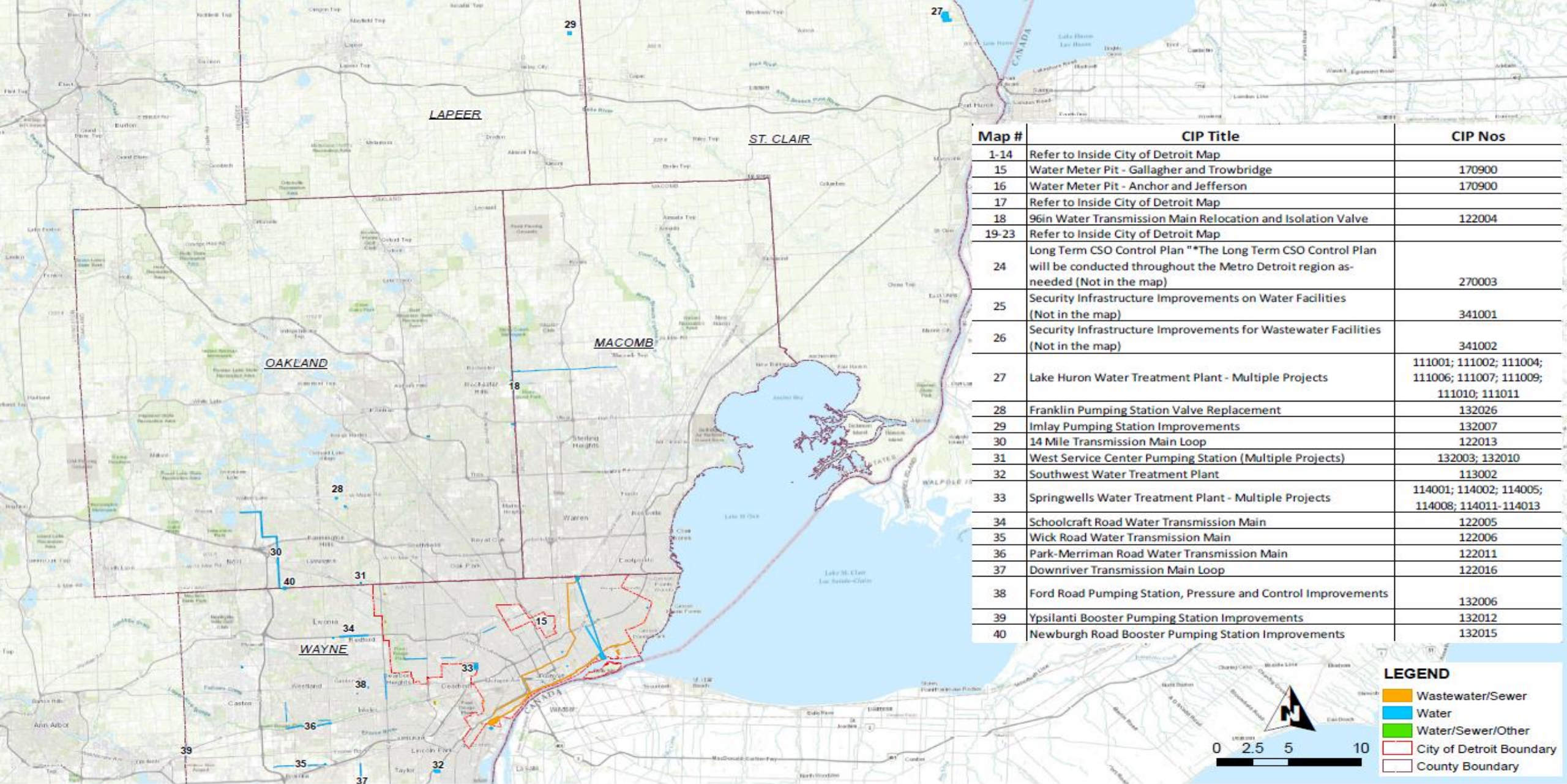
CIP Alias	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	Total	5-Yr Total
2021	0	0	0	0	121	138	143	150	169	169	586	1,476	769



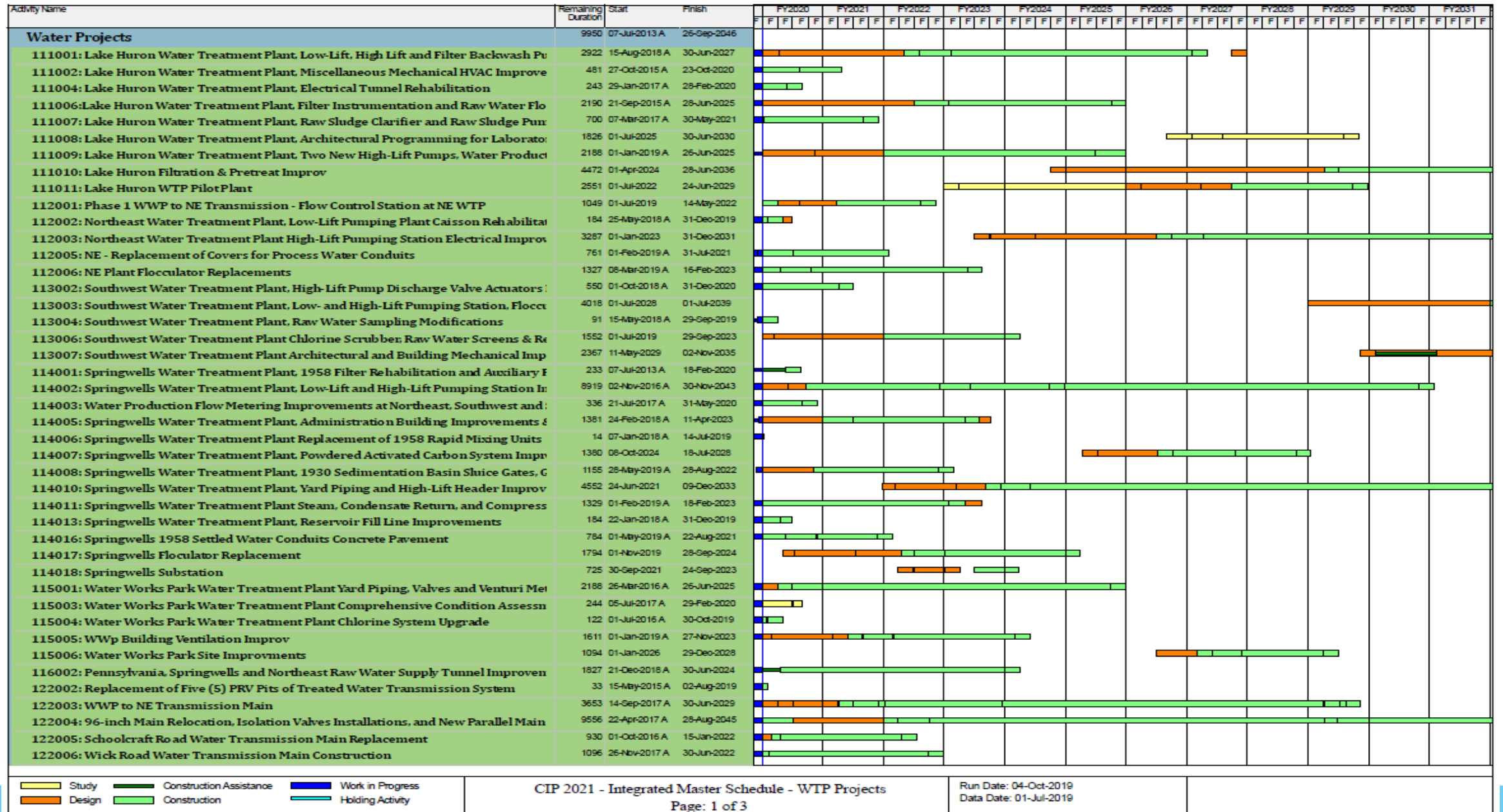
CURRENT GLWA 2019-23 (FY 2021-25) CIP PROJECTS - INSIDE CITY OF DETROIT

Figure IV-1

Notes: Projects depicted on this map are based on the best available data at this time. They may not be completely accurate including spatial representations, leased statuses or attribute values. The user accepts responsibility for accuracy of any referenced information, spatial or otherwise.



Integrate Master Schedule (IMS)



QUESTIONS?

CIP

CAPITAL IMPROVEMENT PLAN

2021 - 2025

PRELIMINARY DRAFT NO.2

