



CAPITAL IMPROVEMENT

2ND QUARTER FY20 REVIEW

ENDING DECEMBER 31, 2019

February 5, 2020

CIP Budget to Actual last 2 years Recap



in 000's

Fiscal year begins July 1st ends June 30th

Category	2018 CIP Planned	2018 Total Actual	Unspent (Planned vs. Actual)	2019 CIP Planned	2019 Total Spend	Unspent (Planned vs. Actual) <i>Under/(Over)</i>
Water Main Replacements	\$44,700	\$15,209	\$24,491	\$38,357	\$27,501	\$10,856
Sewer Lining/ Rehabilitation	20,000	11,533	8,467	25,672	28,410	(2,738)
Green Infrastructure	12,225	3,026	9,200	14,820	2,403	12,417
Central Services (Fleet, Facilities & IT)	10,750	9,224	1,526	32,812	5,613	27,199
General - CIPMO	15,696	9,245	6,451	14,468	16,379	(1,911)
Meters/Fire Hydrants	6,000	1,757	4,243	7,283	2,925	4,358
Uncommitted (incl. allowances)	<u>29,304</u>	-	<u>29,304</u>	<u>\$22,700</u>	<u>11,514</u>	<u>11,186</u>
Total	\$138,675 W-\$78M S-\$60M	\$49,994 W-\$26.1M S-\$23.8M	\$88,681 W-\$52.3M S-\$36.3M	\$156,112 W-\$90.6M* S-\$65.4M*	\$94,745 W-\$50.3M S-\$44.4M	\$61,367 W-\$38.5M S-\$22.9M

CIP Fiscal Year 2020 Summary by Quarter

Period Ending December 31, 2019 (preliminary) Fiscal year begins July 1st

in 000's



Category	2020 CIP Planned	1 st QTR	2 nd QTR	2020Total Spend (unaudited)	Percent Spent	Unspent (Planned vs. Actual) <i>Under/(Over)</i>
Water Main Replacements	\$38,365	\$6,315	4,636	\$10,952	29%	\$27,413
Sewer Lining/ Rehabilitation	33,728	(19) ^a	5,446	5,428	16%	28,300
Green Infrastructure	10,195	(278) ^a	603	325	3%	9,870
Central Services (Fleet, Facilities & IT)	24,699	3,708	424	4,131	17%	20,568
CIPMO – AECOM	13,391	(899) ^a	3,186	2,287	17%	11,104
Meters/Fire Hydrants	4,000	128	411	539	13%	3,461
Itron Upgrades	8,000	-	-	-	-	8,000
Repair/Restoration (O&M)	<u>\$15,189</u>	<u>(12)^a</u>	<u>1,848</u>	<u>1,836</u>	<u>12%</u>	<u>13,353</u>
Total	\$147,567 W-\$83.3M* S-\$64.3M*	\$8,944 W-\$7.4M S-\$1.5M	\$16,554 W-8.7M S-7.8M	\$25,498 W-\$16.1M S-\$9.3M	17% W-19%* S-15%*	\$122,069 W-\$67.1M S-\$54.9M

^a1st quarter spend includes the reversal of FY19 year end accruals for which the actual invoices had not been processed or paid until 2nd quarter.

*percent of total planned

Water Projects - Active



Project Name	Contract Value	Paid to date as of 12/31/2019 (Unaudited)	Paid in FY2020 July 1 st – Dec 31 st	
MOU-4841 -Livernois Ranspach Watermain (w/DPW)	\$1,092	808	-	74%
WS-693A Watermain Replacement Various Locations within Detroit	\$9,075	9,075	-	100%
WS-698 Watermain Replacement Various Locations within Detroit	\$7,750	7,750	-	100%
WS-702 Repair & Replacement of Water Mains	\$11,889	5,331	1,342	56%
WS-703 Water Main Replacement Various Locations within Detroit (33,820LF) <i>Subject to EO-2016-2</i>	\$9,349	7,482	1,143	92%
WS-704 Water Main Replacement -along Outer Drive (20,500LF)	\$5,471	5,374	97	100%
WS-705 Water Main Replacement –East & Westside (33,400LF)	\$12,839	6,716	3,646	81%
WS-706 Water Main Replacement –Wayne Co. Roads (26,400LF)	\$9,580	3,969	-	41%
WS-707 Water Main Replacement Various Locations within Detroit (42,000LF)	\$13,207	907	2,840	28%
WS-714 -Water Main Replacement Grand River, Fenkell to Marene within Detroit (25,400LF)	\$7,987	-	1,680	21%
CS-1673 Professional Engineering Services for Design of Water Main	\$3,031	2,718	203	96%
Total spend in FY2020			\$10,951	

Sewer and Green Infrastructure Projects



Sewer				
Project Name	Contract Value	Paid to Date	Paid in FY2020	Status
DWS-903 Inspection & In-Place Rehab of Existing Sewers in the City of Detroit <small>EO-2016-1 as of Jan. 2020 61.5% Detroit Residency</small>	\$60,000	\$33,843	<u>5,428</u>	65%
Total Spend in FY2020			\$5,428	
Green Infrastructure				
CS-1522 Green Infrastructure Program Management	\$16,000	\$14,624	\$252	92%
CS-1884 GSI Program Mgr.	\$12,000	\$0	\$68	1%
PC-799 Crowell Rec Center and EcoSite Modifications	\$925	\$811	\$5	88%
PC-800 O'Shea Park	\$650	\$346	\$-	53%
PC-802 Joy Rd Drainage (MOU w/)	225	\$225	\$-	100%
PW-6968 Pervious Pavement Projects & Tireman Phase I	\$2,114	\$2,069	\$-	98%
Total Spend in FY2020			\$325	

O&M Projects-Including Repair and Restoration



Project Name	Contract Value	Paid to date as of 12/31/2019 (Unaudited)	Paid in FY2020 July 1 st –Dec 31 st	
DWS-885 As Needed-Low Voltage Wiring (pre-bifurcation contract)	\$8,419	8,116	24	97%
DWS-902 Landscape Restoration	\$11,240	9,046	395	81%
DWS-904 Pavement Restoration	\$2,658	444	39	16%
PC-803b Assistance with Automatic Meter reader Equipment Installation and Related Work throughout the CoD	\$1,885	-	9	1%
WS-702 Repair & Replacement of Water Mains	See Water	-Active	1,283	
WS-708 Water Main Replacement	\$5,473	2,368	83	43%
Direct Purchases Misc. Purchases	-	3	3	-
Total spend in FY2020			\$1,836	

Central Services –Water & Sewer FY 2020 Summary



Central Services Total Spend \$4,131,332

Facility Improvements	\$758,859	Fleet, Heavy Equipment & Equipment	\$1,466,993
Condition Assessments/Construction (Consolidations, programming, and construction)	\$409,779	Vehicles-Transit Van/Wagon (2) 1-Ton	\$91,914
Salt Dome Improvements at CSF	\$8,947	Radio Underground Asset Locators (7)	\$48,422
CSF & West Yard (10) Overhead Doors Replace	\$340,133	Meter Stop Box Locks (3,513)	\$129,278
		Trucks-Vactor (2)	\$1,188,032
		Diesel Storage Totes	\$9,347

Information Technology	\$1,905,480
Oracle Fusion Software License	\$1,716,169
IVR Utility System	\$76,135
Asset Works-Fleet Software	\$110,134
Customer Payment Portal	\$3,042

Meter & Fire Hydrants Installed/ CIPMO



Meter/Hydrant Allowance-Spend \$539,314			
Meter Installation	\$420,420	Hydrants	\$118,894
Meters Installed (sizes 5/8" to 2")	\$420,420	Hydrants Installed	\$118,894

CIPMO \$2,287,108	
Capital Improvement Program Management Organization (CIPMO)-AECOM Great Lakes, Inc.	\$2,287,108

Project Descriptions



Water Project Descriptions

MOU-4841 Livernois Watermain at Ranspach **Contractor:** Ajax/Fort Wayne

This water main replacement is a joint contract with the City of Detroit's Dept of Public Works (DPW). This is on Livernois just south of Michigan Ave, replacing approximately 3,585 LF of watermain.

WS-698 Water Main Replacement Northwestern areas of Detroit **Contractor:** Major Cement **Completion date:** 12/18/2018

The objective is to furnish and install approximately 21,743 linear feet of 8-inch and 5,009 linear feet of 16-inch Ductile Iron Pipe and fittings. The Contractor will also furnish and install 8-inch and 12-inch, Gate Valves, place 8-mil Polyethylene wrap around the new water main, and furnish/construct/install all water main appurtenances, connections and related structures.

This is a State of Michigan Drinking Water Revolving Fund (DWRF) project

WS-702 Water Main Repair & Replacement of Watermains **Contractor:** Lakeshore Global **Completion date:** 7/25/2019

To provide for the repair and replacement of such various sized distribution water mains as needed. This is a hybrid contract with both repair and replacement work. The repair work is intended for emergency watermain replacement without construction drawings. During certain periods of the year, the DWSD experiences a significant increase in the number of water main breaks and leaks. This contract will supplement the DWSD maintenance forces in repair and replacements.

WS-703 Water Main Replacement Various Locations within Detroit **Contractor:** Major Cement **Completion date:** 09/30/2019

The objective is to furnish and install approximately 37,615 linear feet of 8-inch, 1,760 linear feet of 12-inch and 5,200 linear feet of 16-inch Ductile Iron Pipe and fittings. The Contractor will also furnish and install Gate valves, place 8-mil Polyethylene wrap around the new water main and furnish/construct/install all water main appurtenances, connections and related structures. *Oakman Blvd-Joy Rd to Grand River; Lahser-7Mile to 8Mile; Outer Dr W-Plymouth-West Chicago*

Project Descriptions Continued



Water Project Descriptions Cont'd

WS-704 Water Main Replacement –Wayne Co. Roads **Contractor:** Lakeshore Global **Completion date:** 2/5/2020

The objective is to furnish and install approximately 20,500 linear feet along two lengths of Wayne County roadway at *Outer Drive-7Mile to Livernois and Greenfield-West Chicago to Warren Ave.*

WS-705 Water Main Replacement Various Locations within Detroit **Contractor:** Major Cement **Completion date:** 8/12/2020

The objective is to furnish and install approximately 33,400 linear feet on Detroit's east and west side.

WS-706 Water Main Replacement Various Locations within Detroit **Contractor:** Major Cement **Completion date:** 11/4/2020

The objective is to furnish and install approximately 26,400 linear feet both City streets and Wayne Co. roadways including; *Tireman-Greenfield to Hubbell, Warren Ave-Parkland to Heyden, E. Outer Dr-Dequindre to Mitchell and Gallagher to Conley, Robson Ave-Curtis-7Mile and McNichols-Schaefer to James Couzens.*

WS-707 Water Main Replacement **Contractor:** Lakeshore Global **Completion date:** 4/14/2021

This is a State of Michigan Drinking Water Revolving Fund (DWRf) project

The bulk of the replacement work is the water main along both sides of Grand River Avenue (MDOT jurisdiction) from Fenkell to Lahser.

Project Descriptions Continued

Sewer Project Descriptions

CS-1812 Professional Engineering and Construction Services for CIPMO **Contractor:** AECOM, Great Lakes, Inc. **Completion date:** 7/9/2022

The initiation and execution of projects under this CIPMO will be prioritized to effectively and efficiently improve customer service and renew and rehabilitate Detroit's retail system infrastructure.

DWS-902 Repair of Pavement (break repair) **Contractor:** Giorgi Concrete LLC **Completion date:** 8/7/2020

The object of the proposed contract consists of but is not limited to the removal of approximately 202,500 square yards of pavement cuts or patches; the replacement of 42,000 square yards of concrete, and 150,000 square yards of high early strength no slump concrete base. The removal and replacement of 360,000 square feet of sidewalk; 120,000 square feet of driveway, and 50,000 linear curb at various locations throughout the City of Detroit.

DWS-903 Inspection and Rehabilitation of Sewers City Wide **Contractor:** Inland Waters **Completion date:** 12/10/2020

The purpose of this contract is to provide as-needed inspection and in-place rehabilitation of selected sewers primarily using the procedures, methods and equipment of the cured-in-place pipe lining process.

DWS-904 Repair of Lawns (Break Repair) **Contractor:** WCI Contractors, Inc. **Completion date:** 5/6/2021

This work will include excavating and grading the damaged areas. The work will also include maintenance of green stormwater infrastructure vegetation sites.

Central Services Purchases Review



Central Services Details

Transit Van (1)/ Transit Wagon (1)-Vendor: *Jorgensen Ford* –Van for Meter Shop used to transport water meters and related equipment; Wagon used in Fleet Motor Pool to transport employees to jobsites

Radio Detection Locators(7) -Vendor: *C & S Solutions* –Used to locate Mains, Service Lines and Stop Boxes. Data can be used with GIS for MISS DIG

Meter Stop Box Locks (3,513) – Vendor: *Inner Tite* – Used to Secure Stop Boxes for service interruptions

Vactor Trucks (2) – Vendor: *Jack Doheny* – Used to clean sewer lines and catch basins throughout the City of Detroit

Diesel Storage Totes (2)-Vendor: *Waterfront Petroleum* – Used with portable tanks which are used to refuel construction equipment

Condition Assessments- Central Services Facility (CSF) Consolidation, Renovations & Improvements

Contractor: *Detroit Building Authority*

This contract is used for condition assessments and to facilitate capital improvement activities for all the DWSD owned facilities, including procurement of construction bidding and construction management

Overhead Doors at CSF & West Yard – Vendor: *Secure Door LLC* - Replaced (5) Overhead doors at CSF and (5) Overhead doors at West Yard. The replaced doors are part of the Overhead Door Replacement Project. The doors are being replaced due to vehicular traffic and/or old age.

Salt Dome Improvements- Vendor: *Schreiber Corporation*- Improvements include roof replacements and structure improvements

Oracle Fusion Software License- Vendor: *Mythics* -Last payment of the (3) year installment payments for the Oracle Fusion System. The cost includes Unlimited Oracle Database Software, licenses and database maintenance

IVR Utility System- Vendor: *Selectron* -Updating to the latest Relay IVR System- This will move the current system installed at CSF managed by GLWA, to a managed IVR service provided by Selectron. IVR expands the self-service options for DWSD customers. IVR-Interactive Voice Response

Asset Works-Fleet Software- Vendor: **NAME** -- Software packages and services to manage the life cycle of DWSD's fleet of vehicles and related equipment and to upgrade the technology and services around managing the fueling of vehicles at CSF and West Yard. AssetWorks Fleet focus is the fleet management system and AssetWorks FuelFocus is the fuel management software

Customer Self-Service Portal- Vendor: *City Insight LLC*- Enhancements to the current customer payment system to provide improvements to customer notifications including email, SMS and smart home technology

Thank You



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