



CAPITAL IMPROVEMENT

QUARTERLY UPDATE

2ND QUARTER FY2019

April 3, 2019

CIP Budget to Actual last 2 years Recap



Category	2017 CIP Planned	2017 Actual	Unspent (Planned vs. Actual)	2018 CIP Planned	2018 Total Actual	Unspent (Planned vs. Actual)
Water Main Replacements	\$ 23,821	\$15,730	\$8,091	\$44,700	\$15,209	\$24,491
Sewer Lining/ Rehabilitation	8,452	12,358	(3,906)	20,000	11,533	8,467
Green Infrastructure	8,000	8,361	(361)	12,225	3,026	9,200
Central Services (Fleet, Facilities & IT)	4,204	939	3,265	10,750	9,224	1,526
General - CIPMO	-	-	-	15,696	9,245	6,451
Meters/Fire Hydrants	6,000	2,444	3,556	6,000	1,757	4,243
Uncommitted (incl. allowances)	<u>28,146</u>	=	<u>28,146</u>	<u>29,304</u>	-	<u>29,304</u>
Total	\$78,623 W-\$49M S-\$26.9M	\$39,832 W-\$18.9M S-\$20.8M	\$38,791	\$138,675 W-\$78M S-\$60M	\$49,994 W-\$26.1M S-\$23.8M	\$88,681 W-\$52.3M S-\$36.3M

2017 Variance less allowance \$10,645

CIP Fiscal Year 2019 Summary by Quarter

Period Ending December 31, 2018



in 000's

Category	2019 CIP Planned	1 st QTR	2 nd QTR	2019 Total Spend <small>(unaudited)</small>	Percent Spent	Unspent <small>(Planned vs. Actual)</small>
Water Main Replacements	\$38,357	\$3,102	9,923	\$13,025	34%	\$25,332
Sewer Lining/ Rehabilitation	25,672	-	3,120	3,120	58%	22,552
Green Infrastructure	14,820	163	669	832	25%	13,988
Central Services <small>(Fleet, Facilities & IT)</small>	32,812	287	1,007	1,294	86%	31,517
CIPMO – AECOM	14,468	1,969	3,413	5,382	59%	9,086
Meters/Fire Hydrants	7,283	-	150	150	29%	7,133
Uncommitted <small>(incl. allowances)</small>	<u>\$ 22,700</u>	=	=	=	0%	22,700
Total	\$156,112 <small>W-\$90.6M S-\$65.4M</small>	\$5,521 <small>W-\$4.2M S-\$1.3M</small>	\$18,283 <small>W-12.2M S-6M</small>	\$23,803 <small>W-\$16.4M S-\$7.4M</small>	36%	\$88,681 <small>W-\$52.3M S-\$36.3M</small>

Water Projects - Active



Project Name	Contract Value	Paid to date as of 12/31/18 (Unaudited)	Paid in FY2019	
MOU-4841-Livernois Ranspanch Watermain (w/DPW)	\$1,092	808	263	2%
WS-698 Watermain Replacement Various Locations within Detroit	\$7,752	7,750	3,603	28%
WS-702 Repair & Replacement of Water Mains	\$11,889	1,755	\$282	2%
WS-703 Water Main Replacement Various Locations within Detroit (33,820LF)	\$9,349	5,432	1,643	13%
WS-704 Water Main Replacement -along Outerdrive (20,500LF)	\$5,948	4,441	4,261	33%
WS-705 Water Main Replacement –East & Westside (33,400LF)	\$12,839	2,022	2,023	15%
WS-706 Water Main Replacement –Wayne Co. Roads (26,400LF)	\$10,294	803	804	6%
CS-1673 Professional Engineering Services for Design of Water Main	\$3,031	2,129	\$145	1%
Labor Charges-Engineering				
Total spend in FY2019			\$13,025	

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

The objective is to furnish and install approximately

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.*

CS-1673 Professional Engineering Services for Water Main Replacement **Contractor:** Consulting Engineering Associates , Inc.
Completion date: 6/30/2019

The engineering services are to modification of existing pipeline designs for water main replacement along MDOT, Wayne County and City roadways, including securing final permits, onsite geotechnical density testing, surveying staking/layout services during watermain construction.

Sewer and Green Infrastructure Projects

Sewer				
Project Name	Budget Value	Paid to Date	Paid in FY2019	Status
DWS-903 Inspection & In-Place Rehab of Existing Sewers in the City of Detroit	\$60,000	\$13,621	<u>3,120</u>	23%
Total Spend in 2019			\$3,120	
Green Infrastructure				
CS-1522 Green Infrastructure Program Management	\$16,000	\$14,624	226	91%
PC-799 Crowell Rec Center and EcoSite Modifications	\$925	\$659	434	78%
PC-800 O'Shea Park	\$650	\$376	171	64%
PW-6968 Pervious Pavement Projects & Tireman Phase I	\$2,114	\$2,069	-	79%
Total Spend in 2019			\$832	

Central Services –Water & Sewer FY 2019 Summary



Central Services Total Spend \$1,294,601			
Facility Improvements	\$334,165	Fleet, Heavy Equipment & Equipment	\$523,226
Condition Assessments Vendor: Detroit Building Authority-(DBA) (Consolidations, programming -does not include construction)	\$77,067	Vehicles-Chargers/Durango(8) stand-up of Security Dept	\$157,161
HVAC Units at CSF (3 of 75 replaced)	\$76,571	Hydraulic Hammers (6)	\$58,218
CSF 2 nd Floor Training Room-Furniture	\$48,841	Equipment-Slack Adjustors	\$8,735
LED Lighting-CSF Parking Lot	\$129,584	Boom Truck (accrual)	299,112
9 th Floor Buildout (Legal/Public Affairs)	\$2,102		
Information Technology	\$421,961	Security	\$15,249
Dell Computers (200)	\$162,097	Weapons –stand-up of Security Dept	\$15,249
HP Printers (50)	\$225,568		
Asset Works-Fleet Software	\$34,296		

Central Services Purchases Review



Central Services Details

Dump Truck-Boom(1)-Vendor: Interstate Truck Sources—provide description and use

Dodge Durango(2) -Vendor: Lafontaine -purchase vehicles to stand up DWSD's Security Team post bifurcation

Dodge Chargers (6) – Vendor: Lafontaine -purchase vehicles to stand up DWSD's Security Team post bifurcation

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

Contractor: Detroit Building Authority

The purpose of this contract is to complete an assessment of CSF and space programming after which the determination of space available for lease to the City's General Service Dept. This will also be used for condition assessments and to facilitate capital improvement activities for all the DWSD owned facilities.

HVAC Units at CSF – Replaced (3) units at CSF out of the (75) Roof Top Units. The replaced units out-lived there life expectancy and no longer working or in failing conditions. (28) of the (75) are planned for replacement.

CSF 2nd Floor Training Room Furniture-Replace all tables and chairs to accommodate the M&R staff and others for training purposes.

LED Lighting – CSF Parking Lot- Replace light poles and concrete bases in the Employee parking lot

9th Floor Buildout - renovations to establish office space for the Legal Dept and Public Affairs post bifurcation

Dell Computers- Purchase of 200 computers

HP Printers- Purchase of (50) printers

Asset Works-Fleet Software- 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

Security – Weapons -purchase to stand up DWSD's Security Team post bifurcation