



CAPITAL IMPROVEMENT PLAN AND 2021 CAPITAL BUDGET

REVISED

2021-2025 CIP 5-YEAR PLAN

MONICA DANIELS, FINANCE ASSET MANAGER

BOWC Approved November 18, 2020



Summary of **REVISED** 5-Year CIP Financial Plan and FY2020-2021 Capital Budget

The REVISED FY 2021 – FY 2025 capital improvement plan provides for \$243 million of water system improvements and \$198 million of sewer system improvements over the five year planning cycle. **FY21 Capital Budget of \$145,991,778**

Category Summary	% of 5-Year Spend	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 5-Year 2020-2025
Water Main	34%	42,985	35,079	31,550	20,800	18,470	148,884
Sewer Line Replacement	23%	28,595	24,256	20,450	14,950	15,000	103,251
CIPMO	3%	8,280	5,590	-	-	-	13,870
Green Infrastructure	12%	12,480	11,568	10,483	8,785	9,995	53,311
Central Services	14%	23,912	11,575	9,235	7,500	7,500	59,722
Meters/ Fire Hydrants	5%	8,767	8,701	1,000	1,000	1,000	20,469
Repair/Restoration	10%	20,973	7,120	4,200	5,000	5,000	42,293
	100%	145,992	103,889	76,918	58,035	56,965	441,799
Water	59.0%	86,080	58,283	40,168	30,550	28,220	243,300
Sewer	<u>41.0%</u>	<u>59,912</u>	<u>45,606</u>	<u>36,751</u>	<u>27,485</u>	<u>28,745</u>	<u>198,499</u>
	100.0%	145,992	103,889	76,918	58,035	56,965	441,799

Water Project List

Total estimated cost (1000's)

Water Project List 2021-2025 CIP Revised

Description	Status	Source of Funds	2020-21	2021-22	2022-23	2023-24	2024-25	2021-2025 CIP Total	Percent of CIP
WS-693A Joy Road Water Main Replacement Phase 2 (1	C	Loan (DWRP)	-	-	-	-	-	-	0.0%
WS-697 Water Main Replacement -Westside (19,136LF)	C	(DWRP)	-	-	-	-	-	-	0.0%
WS-698 Water Main Replacement -Westside (26,743LF)	C	Loan (DWRP)	-	-	-	-	-	-	0.0%
WS-703 Water Main Replacement (33,820 LF)	A	I&E	-	-	-	-	-	-	0.0%
WS-704 Water Main Replacement -along Outerdrive (20	A	Bond	-	-	-	-	-	-	0.0%
WS-705 Water Main Replacement-2-sections Eastside a	A	Bond	599	-	-	-	-	599	0.2%
WS-706 Water Main Replacement Wayne Co. Roads (26	A	Bond	500	-	-	-	-	500	0.2%
WS-707 Water Main Replacement- (20,000LF)	A	(DWRP)	1,000	-	-	-	-	1,000	0.4%
WS-709 - Unplanned Lead Service Line Replacement	C	Grant	-	-	-	-	-	-	0.0%
WS-710 Water Main Replacement-Incl Wayne Co Roads	P	(DWRP)	6,000	2,000	2,500	-	-	10,500	4.3%
WS-711 Water Main Replacement- Incl Jefferson Street	P	(DWRP)	6,000	5,200	2,500	-	-	13,700	5.6%
WS-712 Water Main Replacement-Cornerstone Village	A	I&E/Bond	12,000	4,630	2,000	-	-	18,630	7.7%
WS-713 Water Main Replacement-Jefferson/Chalmers	N	DWRP	-	7,500	7,500	-	-	15,000	6.2%
WS-714 Water Main Replacement-MDOT Streetscape (2	A	DWRP	4,300	-	-	-	-	4,300	1.8%
WS-715 Pilot Areas-Riverdale, Minock, Miller & Rosedal	N	DWRP/I&E	1,865	6,900	3,500	-	-	12,265	5.0%
WS-716 High Priority Areas: Brewster Douglas	H	I&E	-	-	-	-	-	-	0.0%
WS-718 WM New Center Commons & Virginia Park	N	DWRP/I&E	4,500	1,500	-	-	-	6,000	2.5%
DWS-907 Watermain & Sewer Rehab- North Rosedale P	A	I&E/Bond	3,900	1,519	-	-	-	5,419	2.2%
WS-720 Watermain Replacement-Variou Streets	N	I&E/Bond	-	-	5,000	5,000	5,000	15,000	6.2%
WS-702 Repair & Replacement of Water Mains	A	I&E	8,098	-	-	-	-	8,098	3.3%
WS-708 Repair of Water Mains	A	I&E	2,250	-	-	-	-	2,250	0.9%
WS-717 Repair & Replacement of Water Mains (WS-702	N	I&E	1,000	4,000	3,000	3,000	3,000	14,000	5.8%
WS-719 Repair of Water Mains (WS-708)	N	I&E	-	-	-	2,000	2,000	4,000	1.6%
DWS-902 Repair of Pavement (break repair)	A	I&E	6,220	1,920	-	-	-	8,140	3.3%
DWS-904 Repair of Lawns (break repair)	A	I&E	664	-	-	-	-	664	0.3%
DWS-919 (replace DWS-902)	N	I&E	-	4,080	6,800	6,800	2,720	20,400	8.4%
CS-1673 Professional Engineering Services for Design of Water Main	C	I&E	-	-	-	-	-	-	0.0%
CS-1909A -Condition Assessments-High Priority Neighb	N	I&E	571	-	-	-	-	571	0.2%
CS-1921 Watermain/Sewer Design	N	I&E	1,000	1,000	1,000	-	-	3,000	1.2%
CS-1923 Third Party Inspection (Water & Sewer)	N	I&E	750	750	750	-	-	2,250	0.9%
CS-1812 Professional Engineering and Construction Serv	A	I&E/Bond	4,140	2,795	-	-	-	6,935	2.9%
Construction Program Management Allowances	N	I&E	-	-	-	1,000	750	1,750	0.7%
Watermain Program Allowances	N	I&E	-	-	-	8,000	10,000	18,000	7.4%
Water Meter Replacement Program	A	I&E	628	451	750	750	750	3,330	1.4%
Fire Hydrant Replacement Program	A	I&E	250	250	250	250	250	1,250	0.5%
CS-1925 Itron Migration -MIU Replacement	N	I&E/Bond	7,652	5,931	-	-	-	13,583	5.6%
CS-1926 Itron Migration Project Management	N	I&E	237	2,069	-	-	-	2,306	0.9%
Vehicle, Heavy Equipment, and Equipment Purchases	A	I&E	1,477	2,000	2,000	2,000	2,000	9,477	3.9%
Information Technology	A	I&E	4,244	1,788	1,618	750	750	9,149	3.8%
Facility Improvement Allowance	A	I&E	6,236	2,000	1,000	1,000	1,000	11,236	4.6%
TOTALS			86,080	58,283	40,168	30,550	28,220	243,300	100.0%

Sewer Project List

Total estimated cost (1000's)

Sewer Project List 2021-2025 CIP Revised

Description	Status	Source of Funds	2020-21	2021-22	2022-23	2023-24	2024-25	2021-2025 CIP Total	Percent of CIP
DWS-900 Inspection and Rehab North Side (10,660LF)	C	I&E	-	-	-	-	-	-	0.0%
DWS-903 Inspection and Rehabilitation of Sewers City Wide	A	I&E/ Bond	10,595	-	-	-	-	10,595	5.3%
DWS-907 North Rosedale Park	A	I&E/ Bond	2,600	1,013	-	-	-	3,613	1.8%
DWS-908 Cornerstone Village Sewer Rehab	A	I&E/ Bond	4,000	1,693	-	-	-	5,693	2.9%
DWS-909 Sewer Condition assessments throughout City	A	I&E	1,500	-	-	-	-	1,500	0.8%
DWS-910- Sewer Condition Assessments High Priority	A	I&E	1,500	-	-	-	-	1,500	0.8%
PC-804 Relocation of Sewer Syphon-West Parkway (MOU-DPW)	A	I&E	228	-	-	-	-	228	0.1%
DWS-916 Sewer Improvements in High Priority Neighborhoods	N	SRF/ Bond	3,000	2,600	-	-	-	5,600	2.8%
DWS-917 Sewer Improvement in Riverdale	N	SRF/ Bond	-	7,000	7,000	-	-	14,000	7.1%
DWS-918 Sewer Improvements in Rosedale	N	SRF/ Bond	-	5,000	4,500	-	-	9,500	4.8%
DWS-920 Inspection and Rehabilitation of Sewers City Wide (Replace DWS-903)	N	I&E/ Bond	5,000	5,000	5,000	-	-	15,000	7.6%
DWS-933 Corktown Sewer	P	I&E	172	-	-	-	-	172	0.1%
Sewer Program Allowances	N	I&E	-	-	2,000	12,000	14,000	28,000	14.1%
City Planning & Development Framework Allowance	N	I&E/ Bond	-	-	-	-	-	-	0.0%
CS-1812 Professional Engineering and Construction Services for Capital Improvement Program Management Organization	A	I&E/ Bond	4,140	2,795	-	-	-	6,935	3.5%
DWS-902 Repair of Pavement (break repair)	A	I&E	1,098	-	-	-	-	1,098	0.6%
DWS-904 Repair of Lawns (break repair)	A	I&E	443	-	-	-	-	443	0.2%
DWS-919 (replace DWS-902)	N	I&E	1,200	1,200	1,200	-	-	3,600	1.8%
Repair and Maintenance Allowance	N	I&E	-	-	-	1,000	1,000	2,000	1.0%
CS-1921 Watermain/Sewer Design	N	I&E	-	1,000	1,000	1,000	-	3,000	1.5%
CS-1923 Third Party Inspection (Water & Sewer)	N	I&E	-	750	750	750	-	2,250	1.1%
DWS-921 Sewer Pump Stations	N	I&E/ Bond	-	200	200	200	-	600	0.3%
CS-1522 Green Infrastructure Program Management	C	I&E	50	-	-	-	-	50	0.0%
Stoepel Park No. 1	C	I&E	-	-	-	-	-	-	0.0%
PC-799 Crowell Rec Center and EcoSite Modifications	C	I&E	15	5	-	-	-	20	0.0%
Tireman Phase II Bioswale	C	I&E	10	-	-	-	-	10	0.0%
PC-808 West Warren (Constance at Rouge Park/Tireman Sawyer P	N	I&E	3,995	7,040	7,650	6,280	3,995	28,960	14.6%
PC-801A Oakman Blvd	A	I&E/ Bond	4,500	1,800	300	-	-	6,600	3.3%
Liuzzo Park	C	I&E	-	-	-	-	-	-	0.0%
PC-800 O'Shea Park	C	I&E	10	10	-	-	-	20	0.0%
PC-802 Joy Rd. Drainage Improvements	C	I&E	-	-	-	-	-	-	0.0%
Minock Park	-	I&E	-	-	-	-	-	-	0.0%
PC-806 Charles H. Wright Academy	N	I&E	1,200	205	25	-	-	1,430	0.7%
North Rosedale (Edinborough)	N	I&E	40	3	3	-	-	46	0.0%
Capital Partnership Program-St. Paul Tabernacle	P	I&E	100	-	-	-	-	100	0.1%
Chandler Park Drive (CIPMP)	N	I&E	60	5	5	5	-	75	0.0%
Green Stormwater Infrastructure Construction Allowance	-	I&E	-	-	-	-	5,000	5,000	2.5%
CS-1884 Green Infrastructure Program Management	P	I&E	2,500	2,500	2,500	2,500	1,000	11,000	5.5%
Vehicle, Heavy Equipment, and Equipment Purchases	N	I&E	1,477	2,000	2,000	2,000	2,000	9,477	4.8%
Information Technology	N	I&E	4,244	1,788	1,618	750	750	9,149	4.6%
Facility Improvement Allowance	N	I&E	6,236	2,000	1,000	1,000	1,000	11,236	5.7%
TOTALS			59,912	45,606	36,751	27,485	28,745	198,499	100.0%

Information Technology



DETROIT
Water & Sewerage
Department

Descriptions	Type	2020-21
Security		
Access Control	Software	Addition 100,000
Camera Replacements	Hardware/Equipment	Addition 100,000
Video Security System Upgrades	Software	Addition 150,000
Customer Service		
City Insights Portal Phase II	Software	Software Maintenance 150,000
EnQuesta Upgrade	Software	Software Maintenance 700,000
Administrative		
Records Management Services	Software	New Software Implementation 271,200
Facilities		
Meeting Room Upgrades/ Hardware/Cons	Hardware/Equipment	Hardware/Equipment 250,000
Additional IT space at CSF	Hardware/Equipment	New Hardware/Equipment Implementation 100,000
Building Control System	Software	New Software Implementation 500,000
Operations		
Collaboration Software for Drainage & Records Management	Software	New Software Implementation 190,000
GPS for vehicles	Hardware/Equipment	New Hardware/Equipment Implementation 110,000
Misc. Equipment for AssetWorks	Hardware/Equipment	New Hardware/Equipment Implementation 50,000
Itron Replacement (staffing support)	Other IT Implementation	CIP IT STAFFING 600,000
Complaint Management	Software	New Software Implementation 250,000
CityWorks	Software	New Software Implementation 500,000
Oracle Supply chain Management	Other IT Implementation	New Other IT Implementation Implementation 800,000
Information Technology		
Desktops	Hardware/Equipment	Hardware 175,000
Laptop Charging Stations	Hardware/Equipment	Hardware 25,000
Laptops	Hardware/Equipment	Hardware 216,000
Rugged Tablets/Laptops	Hardware/Equipment	Hardware 100,000
Tablets	Hardware/Equipment	Hardware 154,000
Vehicle Mounts	Hardware/Equipment	Hardware/Equipment 60,000
Oracle DC Migration	Hardware/Equipment	New Other IT Implementation Implementation 500,000
Low Voltage Wiring DWS-885	Hardware/Equipment	New Hardware/Equipment Implementation 750,000
Network Infrastructure - CoD MERGER	Software	New Hardware/Equipment Implementation 200,000
Network Infrastructure-REPLACEMENT	Software	New Hardware/Equipment Implementation 156,000
Phone System Migration to Avaya	Hardware/Equipment	New Hardware/Equipment Implementation 20,000
Printers	Hardware/Equipment	Hardware 30,000
Radios	Hardware/Equipment	Hardware 230,000
Executive Dashboard	Software	New Software Implementation 150,000
Cityworks/AssetWorks/Records Implemen	Other IT Implementation	New Other IT Implementation Implementation 900,000
GIS Update As-Built Drawing Upgrades	Other IT Implementation	New Other IT Implementation Implementation -
Total		
		\$ 8,487,200

Vehicle, Heavy Equipment, and Equipment



Descriptions	Type	QTY	Estimated Unit Cost	2020-21
Meter Operations			225,000	
F-350 Super Duty	Truck	5	45,000	225,000
Field Services Operations			1,575,000	
F150	Truck	10	45,000	450,000
F-450 Super Duty	Utility Truck	3	125,000	375,000
F-550 Super Duty	Utility Truck	5	130,000	650,000
Front end loader/skid loader	Heavy Equipment	2	50,000	100,000
Fleet Operations			1,154,300	
SUV	Vehicle	10	32,000	320,000
Pool Vehicles	Vehicle	5	35,000	175,000
Golf Cart	Vehicle	4	15,000	60,000
F150	Truck	5	45,000	225,000
Passenger Vehicles	Vehicle	2	25,000	50,000
Vactor Hoist (100,00lbs)	Heavy Equipment	1	200,000	200,000
Tire Changer	Equipment	1	30,000	30,000
Lift-Back Hoe	Equipment	1	50,000	50,000
Auto Lift w/Installation	Equipment	1	2,800	2,800
Oil Filter Crusher	Tools	1	7,000	7,000
Hybrid Diagnostic Tool	Tools	3	7,500	22,500
Evaporative Cooler	Fixtures	2	6,000	12,000
Total				2,954,300



FY 2020 Facility Improvements

Descriptions	Type	QTY	Unit Cost	2020-21
Roofing				
CSF/West/MOB	Roof replacement			7,000,000
Heating Units				
CSF	HVAC Units	10	150,000	1,200,000
West Payment	HVAC Rooftop Unit Replacement	2	15,000	30,000
MOB	Steam Improvements			15,000
MOB	Heat Improvement - Car Elevator area			36,000
Misc. HVAC Improvements	Auto Garage - Extra large Fans	6	20,000	120,000
Garage Door Replacement				
CSF/ West Yard	Fabric Door Replacement	10	25,000	350,000
Furniture				
Training Room Table & Chairs	CSF - 1st Fl & Garage			100,000
Interior Improvements				
CSF - Meter Shop Build Out	Interior Space Improvements			100,000
CSF - Yards - Build Out	Interior Space Improvements/Rea	5	200,000	150,000
Flooring	Interior West Yard	10	100,000	250,000
Flooring	Exterior West Yard			150,000
CSF - Air Compressor	New Air Compressor System			150,000
2nd Floor Admin-Buildout	Design/Feasibility			50,000
Parking Lot Improvements				
LED Lights	West Yard/ East & West Payment Exterior			50,000
LED Lights	Yards/Garage			200,000
Gate Operator	CSF & West Yard			20,000
Detroit Building Authority (DBA)	Consolidation, Renovations & Improvements			2,500,000
Total				\$12,471,000

Thank You



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[@detroitwatersewerage](https://instagram.com/detroitwatersewerage)



Detroit Water and Sewerage Department Certified Copy

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Detroit, Michigan 48226
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Resolution, BOWC: 20-0296

File Number: 20-0296

The Board of Water Commissioners **authorizes the Director to approve the accompanying revision to the Water Supply System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the revised FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

Agenda of November 18, 2020

Item No. 20-0296

REVISED 5-Year Capital Improvement Program (CIP) Water Supply System

Amount: \$243,300,014

REVISED FY2021 Capital Budget Water Supply System

Amount: \$86,079,855

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Water and Sewerage Department

RE: Authorization to Approve the November 11, 2020 REVISED Water Supply System (WSS) Capital Improvement Program (CIP) and 2021 Capital Budget

Authorization to Adopt the REVISED FY 2020-21 Capital Budget for Water and Sewerage Disposal System

MOTION

Upon recommendation of Thomas Naughton, Chief Financial Officer, the Board of Water Commissioners **authorizes the Director to approve the accompanying revision to the Water Supply System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the revised FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Pursuant to the lease agreement executed to establish the Great Lakes Water Authority (GLWA), the Detroit Water and Sewerage Department (DWSD) is required to develop a five year capital improvement program for the local water system assets. The capital improvement needs for the period 2021-2025 have been internally reviewed, approved, categorized, inventoried, and assembled into a five year program and prioritized, and presented to the CIP Committee of the BOWC on February 7, 2020, and then to the Finance Committee on May 6, 2020 with BOWC approval on May 20, 2020.

The CIP document focuses on replacement and rehabilitation of the local water system assets to provide reliable and efficient service. The plan details a five-year capital improvement plan to meet the

improvement and financing needs of the water supply system.

In light of recent events based on DWSD reaction to COVID-19, some line item amounts are now reallocated to accommodate additional funding needed for water main break repairs contracts and reducing funding for Vehicle and Heavy Equipment purchases.

The first year of this plan will serve as the approved capital budget. The total amount remains unchanged in this revision.

JUSTIFICATION

The BOWC is required each year to adopt a Five Year Capital Improvement plan for the Water Supply System. The Board of Water Commissioners adopted the total five-year capital plan of \$243,300,014 for water supply system improvements on May 20, 2020.

In addition, BOWC adopted a fiscal year 2020-21 capital budget of \$86,079,855 for the water supply system improvements. The effective date of the adopted 5-Year Capital Improvement Plan and the FY2020-21 was July 1, 2020.

The BOWC is requested to adopt the line item revisions noted below:

The changes are mainly a direct effect of COVID-19 reaction and the increase in use of contractual services with a zero dollar impact on the overall annual budgets.

- WS-715 Pilot Areas-Riverdale, Minock, Miller & Rosedale
 - Decrease of \$1.4M FY21
- WS-716 High Priority Areas: Brewster Douglas
 - Decrease \$4.5M Project put on hold as MDOT explores possible new interchange work for I-75/I-375 affecting the plans for development of this area
- WS-702 Repair & Replacement of Water Mains
 - Increase \$5.54M due to COVID
- WS-708 Repair of Water Mains
 - Increase \$2.25M due to COVID
- WS-719 Repair of Water Mains (WS-708 replacement)
 - Decrease \$3M
- CS-1926 Itron Migration Project Management
 - Add \$237,000 in FY21 and will be added to the Itron Migration, MIU replacement Allowance in subsequent years
- Vehicle, Heavy Equipment & Equipment
 - Decrease \$2.1M Vehicles and Large Equipment to be purchased in FY21

This proposed revised CIP Plan was presented to the BOWC Capital Improvement Program and Operations Committee on November 12, 2020.

DWSD Finance Asset Management Group, through the CFO is requesting the Board of Water Commissioners' (BOWC) approval of the aforementioned revision.

I, Marian King-Bell, certify that this is a true copy of Resolution, BOWC No. 20-0296, passed by the Board of Water Commissioners on 11/18/2020.

Attest: Marian King Bell

11/19/2020
Date Certified



Detroit Water and Sewerage Department Certified Copy

735 Randolph Street
Detroit, Michigan 48226
(313) 224-4704 Office
dwsd.legistar.com

Resolution, BOWC: 20-0297

File Number: 20-0297

The Board of Water Commissioners **authorizes the Director to approve the accompanying revision of the Sewer Disposal System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the revised FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

Agenda of November 18, 2020

Item No. 20-0297

REVISED 5-Year Capital Improvement Program (CIP) Sewer Disposal System

Amount: \$198,498,833

REVISED FY2021 Capital Budget Sewer Disposal System

Amount: \$59,911,923

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Detroit Water and Sewerage Department

RE: Authorization to Approve the November 11, 2020 REVISED Sewer Disposal System (SDS) Capital Improvement Program (CIP) and 2021 Capital Budget

Authorization to Adopt the REVISED FY 2020-21 capital budget for Water and Sewerage Sewer Disposal System

MOTION

Upon recommendation of Thomas Naughton, Chief Financial Officer, the Board of Water Commissioners **authorizes the Director to approve the accompanying revision of the Sewer Disposal System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the revised FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Pursuant to the lease agreement executed to establish the Great Lakes Water Authority (GLWA), the Detroit Water and Sewerage Department (DWSD) is required to develop a five year capital improvement program for the local sewer system assets. The capital improvement needs for the period 2021-2025 have been internally reviewed, approved, categorized, inventoried, and assembled into a five year program and prioritized, and presented to the CIP Committee of the BOWC on February 7, 2020, and then to the Finance Committee on May 6, 2020 with BOWC approval on May 20, 2020.

The CIP document focuses on replacement, lining and rehabilitation of the local sewer system assets to provide reliable and efficient service. The plan details a five-year capital improvement plan to meet the

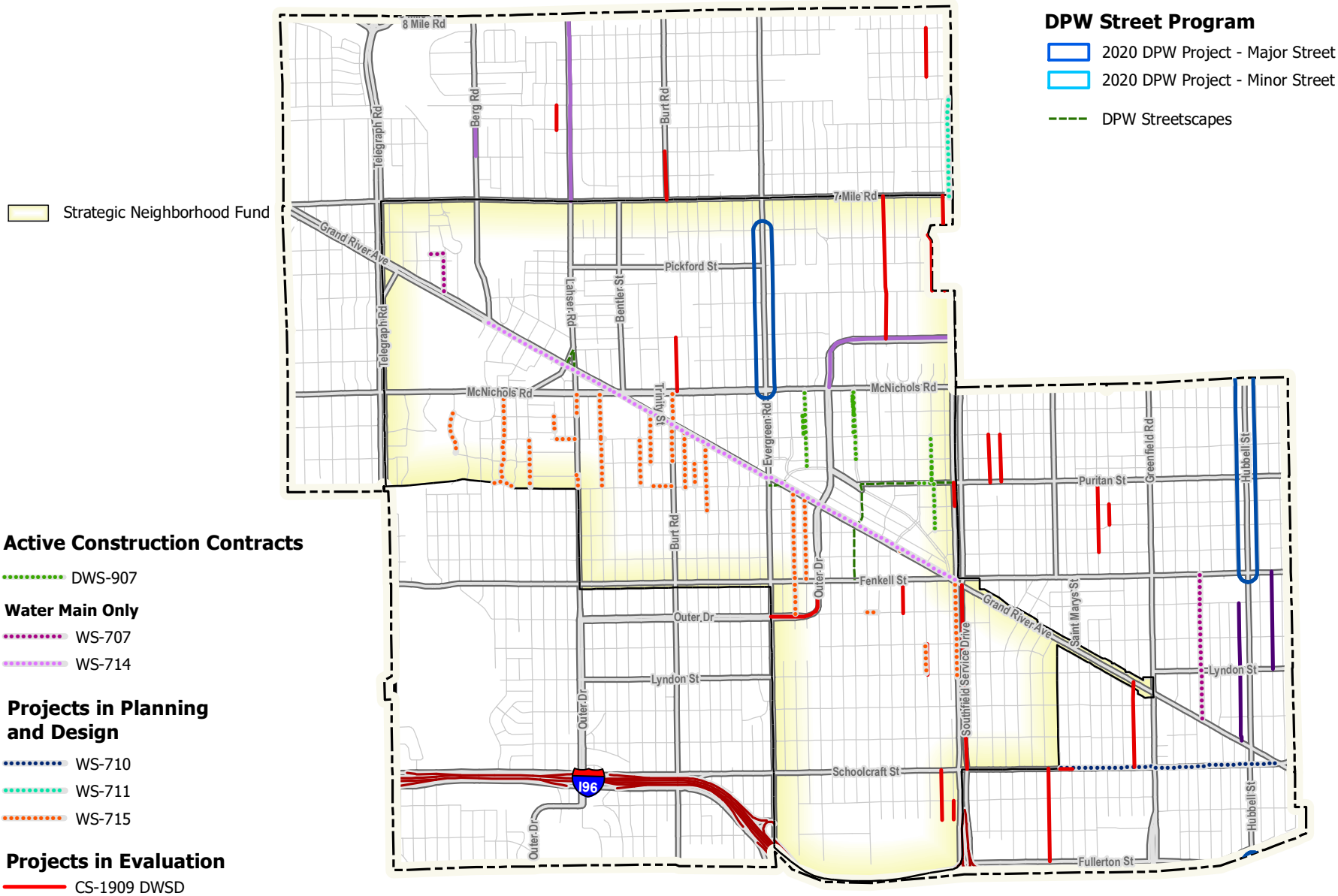


District Maps

Watermain Projects by District

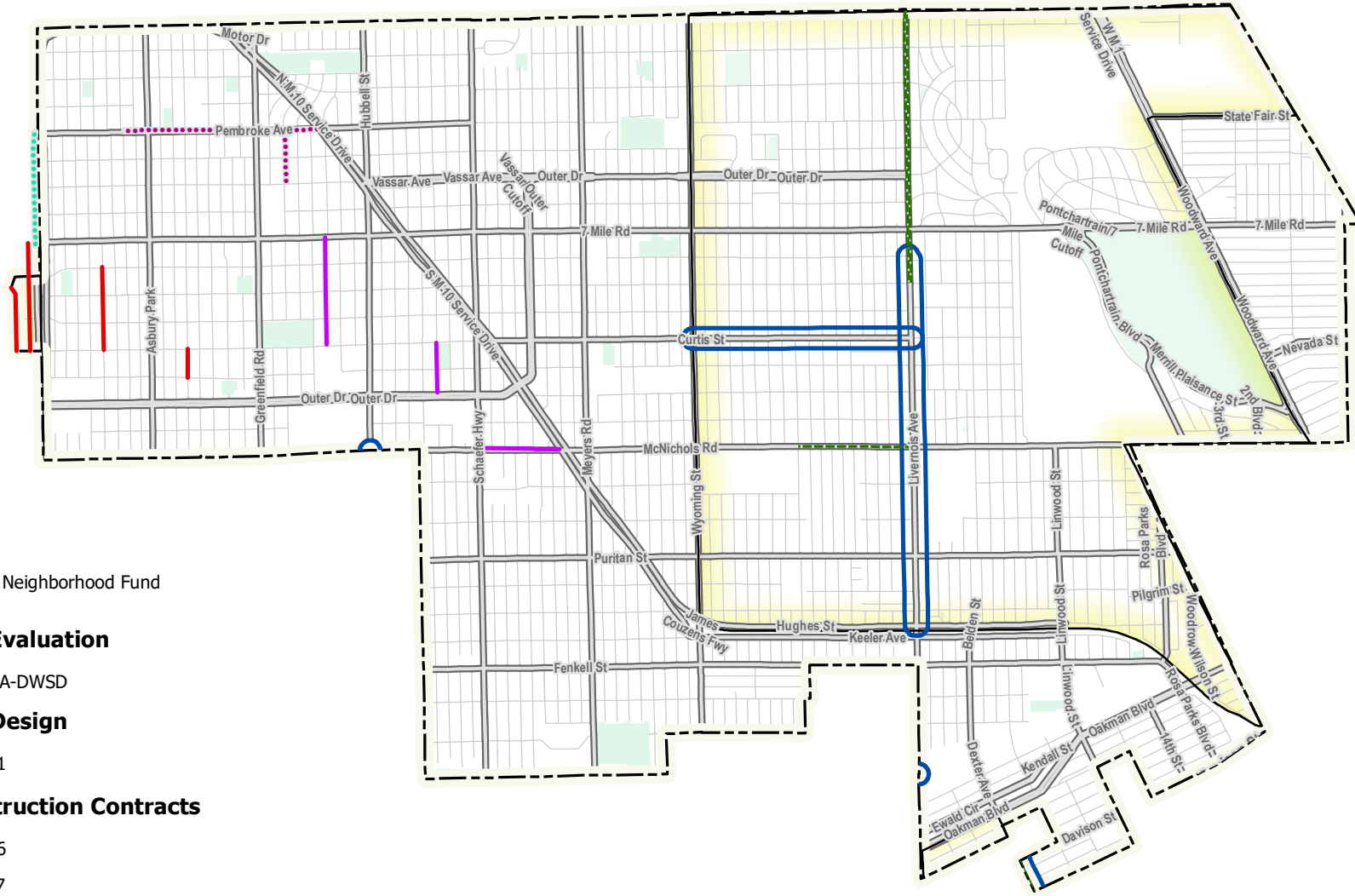
DWSD Capital Improvement Plan FY2020 Projects - Water

District 1 Active Projects, Condition Assessment/Evaluation, Planning, and Design



DWSD Capital Improvement Plan FY2020 Projects - Water

District 2 Active Projects, Condition Assessment/Evaluation, Planning, and Design



Strategic Neighborhood Fund

Projects in Evaluation

2019 CA-DWSD

Projects in Design

WS-711

Active Construction Contracts

WS-706

WS-707

DPW Street Program

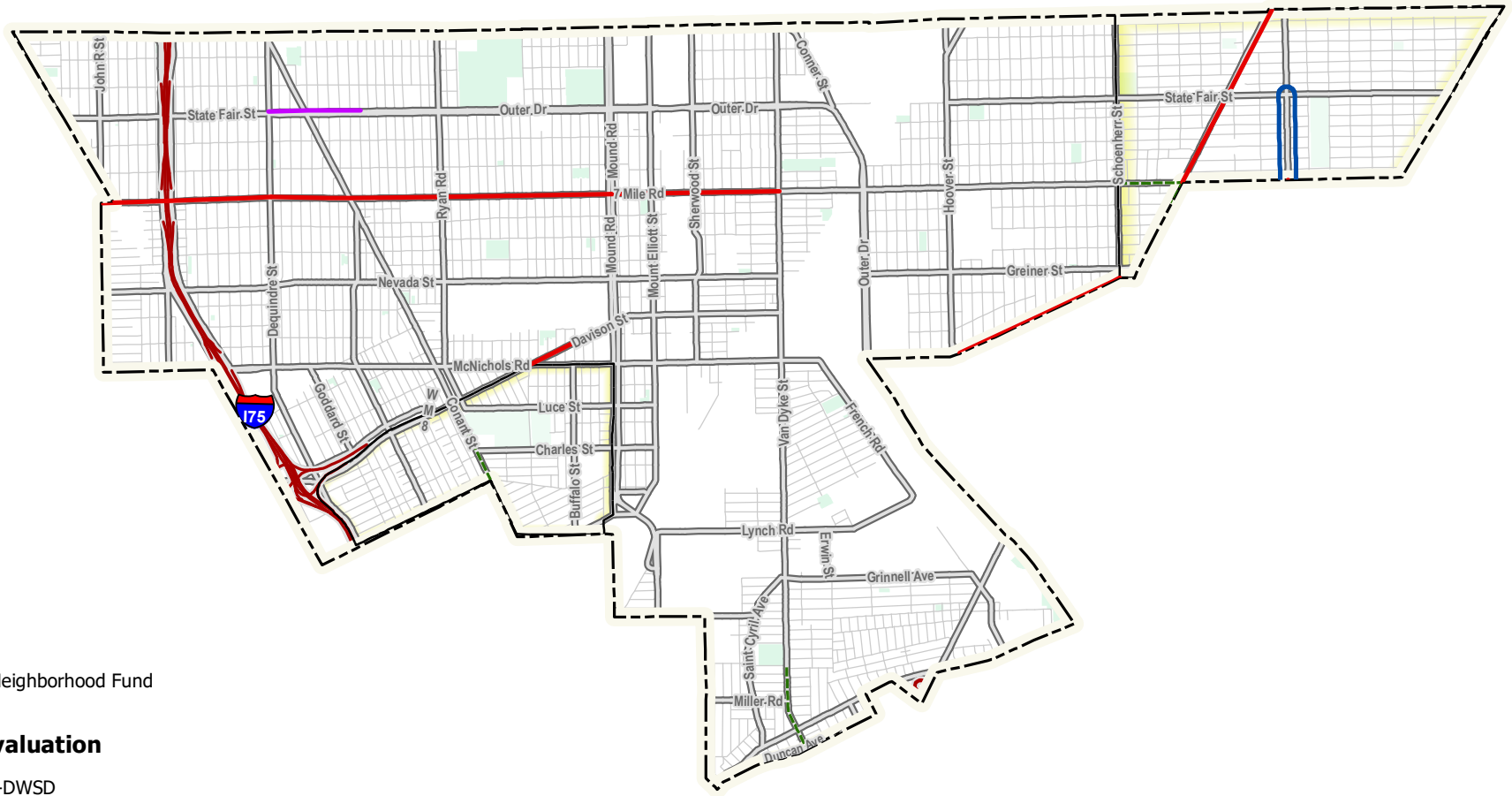
2020 DPW Project - Major Street


2020 DPW Project - Minor Street

2020 DPW Streetscapes


DWSD Capital Improvement Plan FY2020 Projects - Water

District 3 Active Projects, Condition Assessment/Evaluation, Planning, and Design



 Strategic Neighborhood Fund

Projects in Evaluation

 2019 CA-DWSD

Active Construction Contracts

 WS-706

DPW Street Program

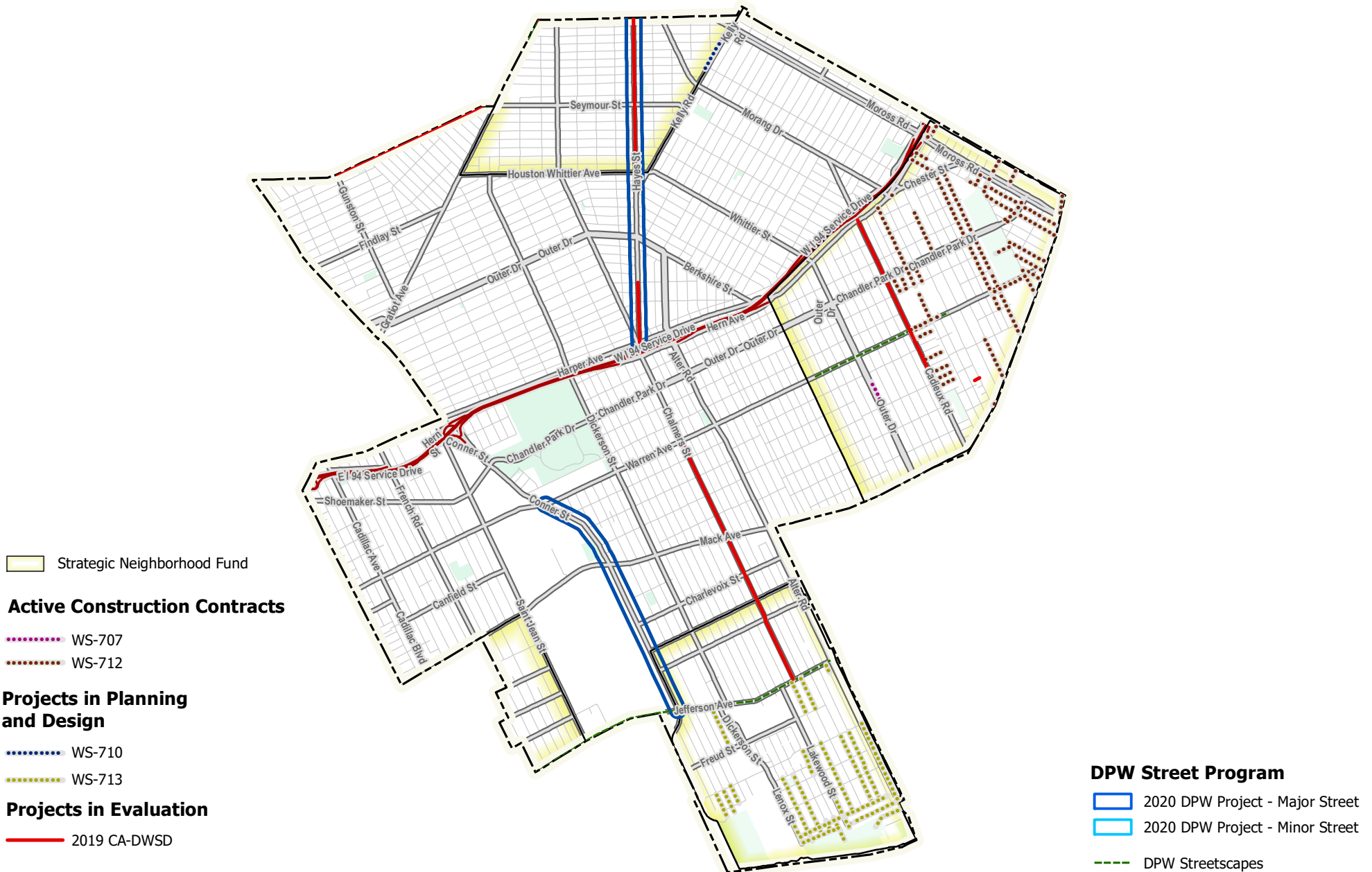
 2020 DPW Project - Major Street

 2020 DPW Project - Minor Street

 DPW Streetscapes

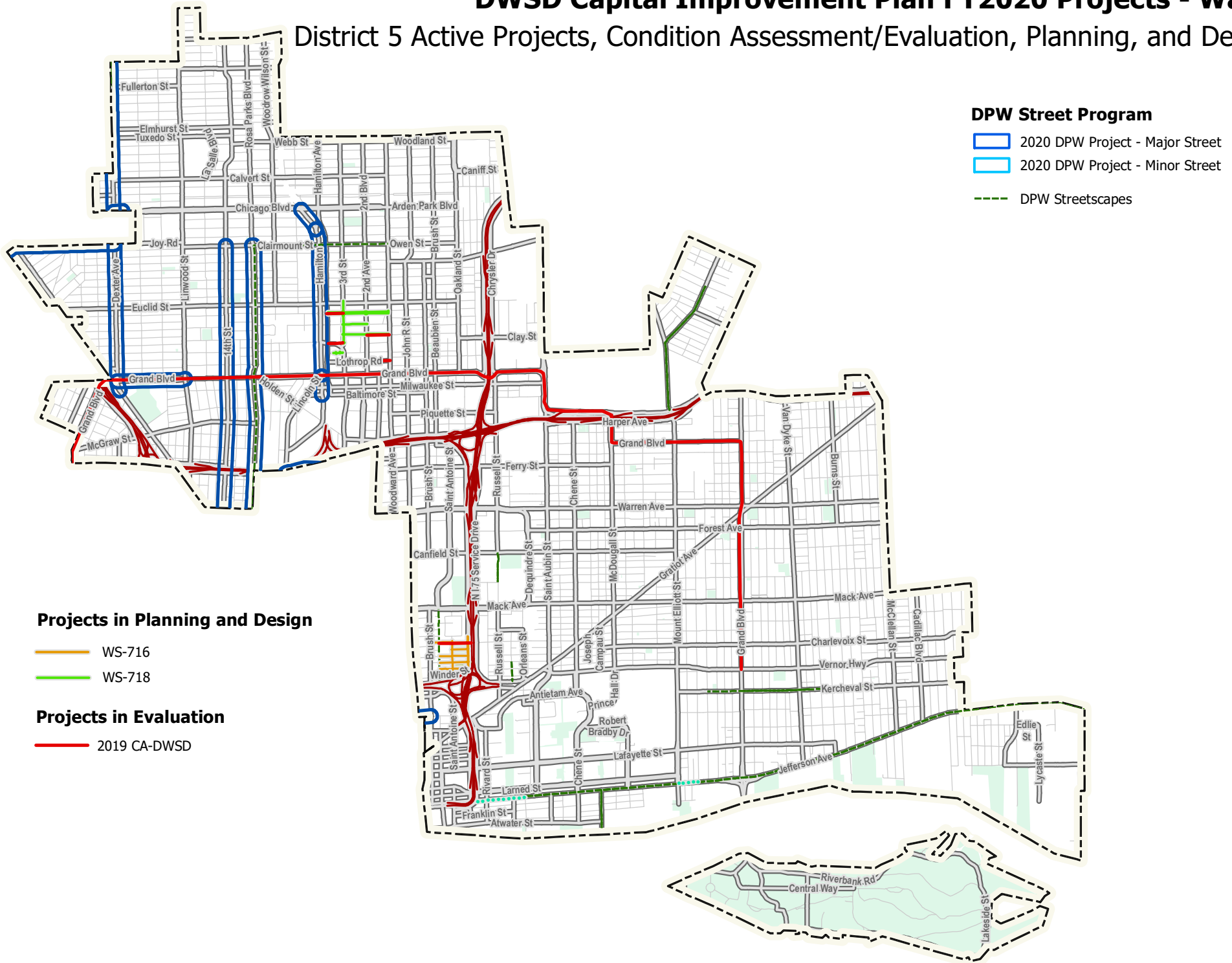
DWSD Capital Improvement Plan FY2020 Projects - Water

District 4 Active Projects, Condition Assessment/Evaluation, Planning, and Design



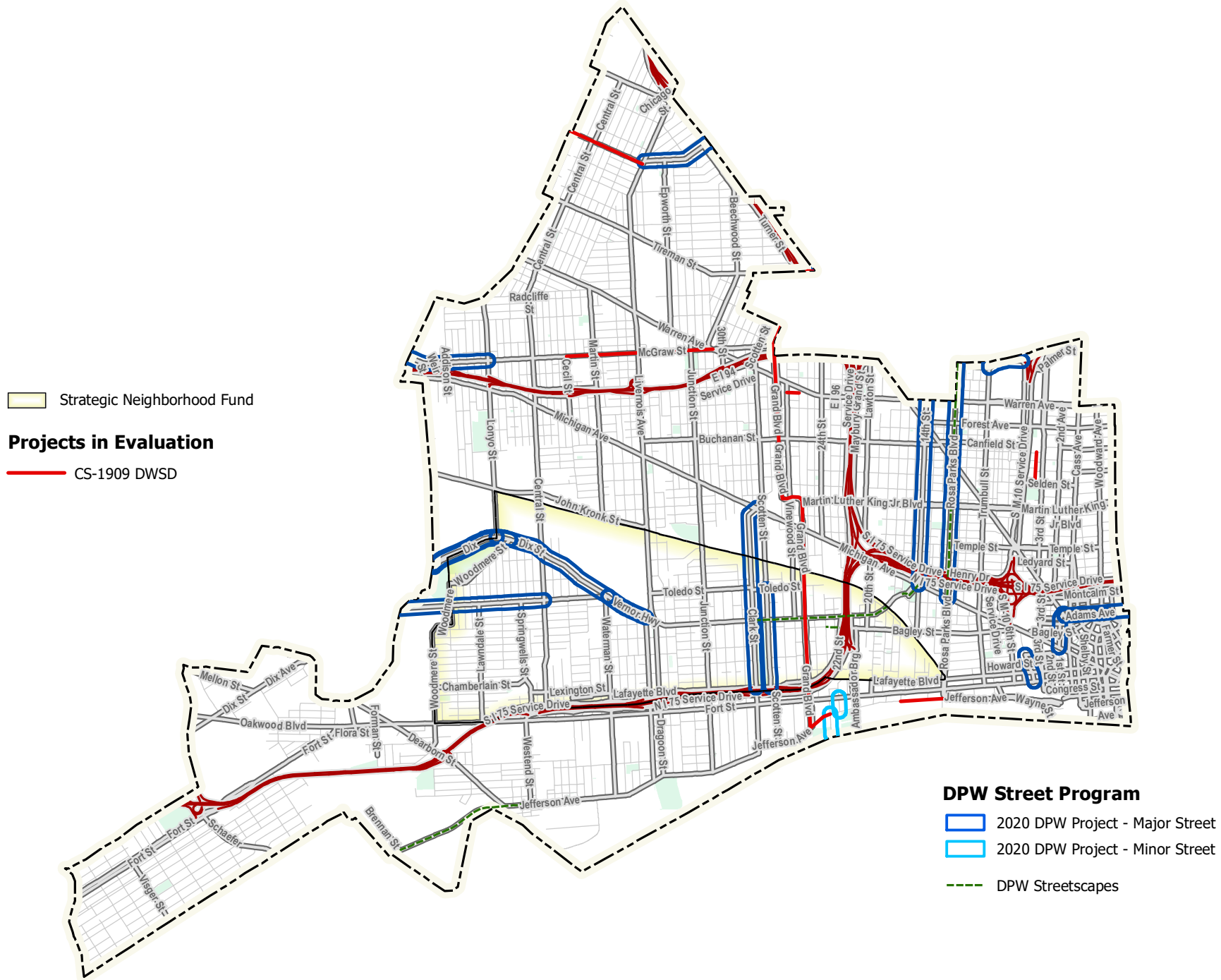
DWSD Capital Improvement Plan FY2020 Projects - Water

District 5 Active Projects, Condition Assessment/Evaluation, Planning, and Design



DWSD Capital Improvement Plan FY2020 Projects - Water

District 6 Active Projects, Condition Assessment/Evaluation, Planning, and Design




DWSD Capital Improvement Plan FY2020 Projects - Water

District 7 Active Projects, Condition Assessment/Evaluation, Planning, and Design

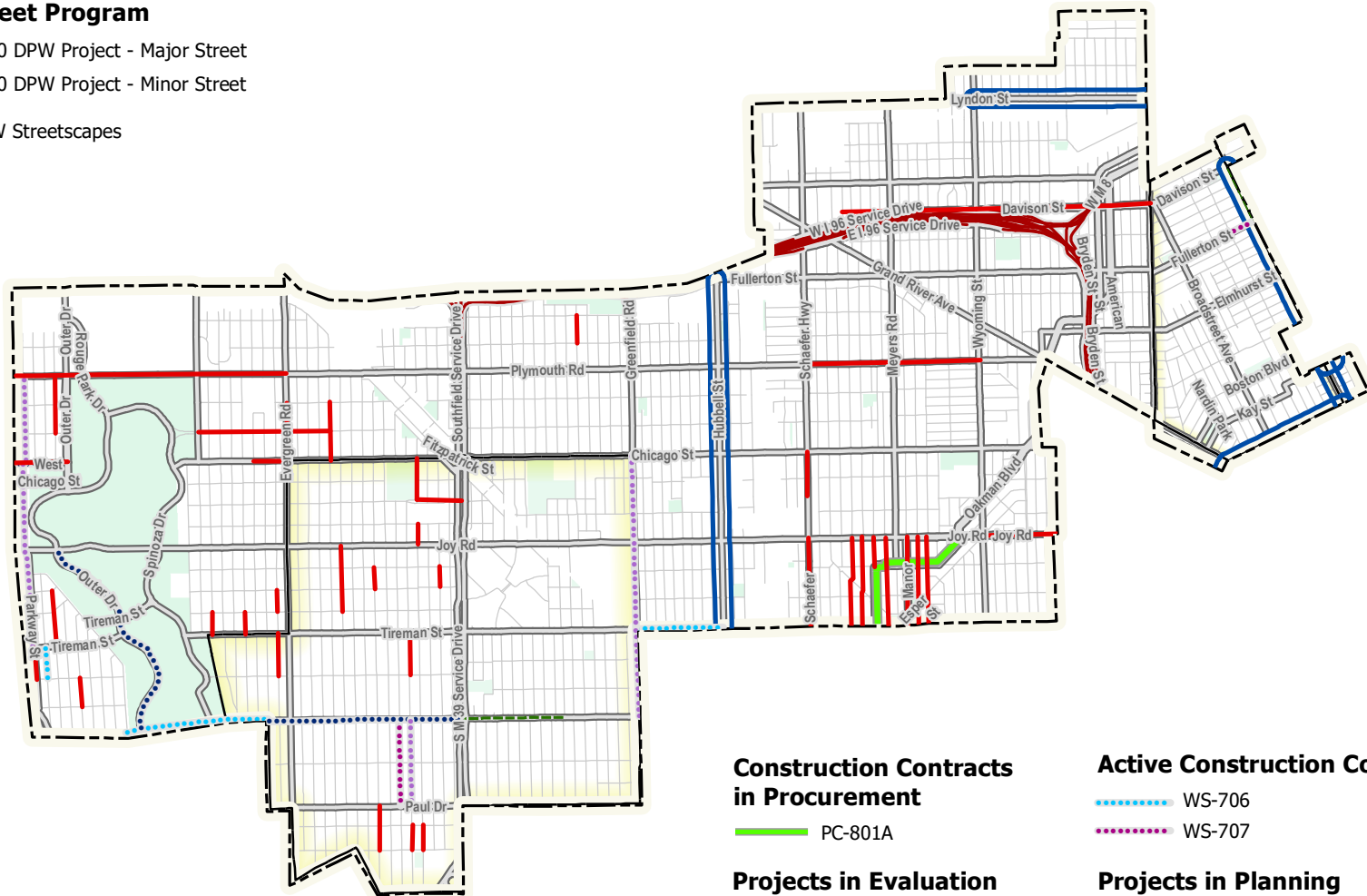
 Strategic Neighborhood Fund

DPW Street Program

 2020 DPW Project - Major Street

 2020 DPW Project - Minor Street

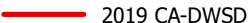
 DPW Streetscapes



Construction Contracts in Procurement

 PC-801A

Projects in Evaluation

 2019 CA-DWSD

Active Construction Contracts

 WS-706

 WS-707

Projects in Planning and Design

 WS-710

 WS-711

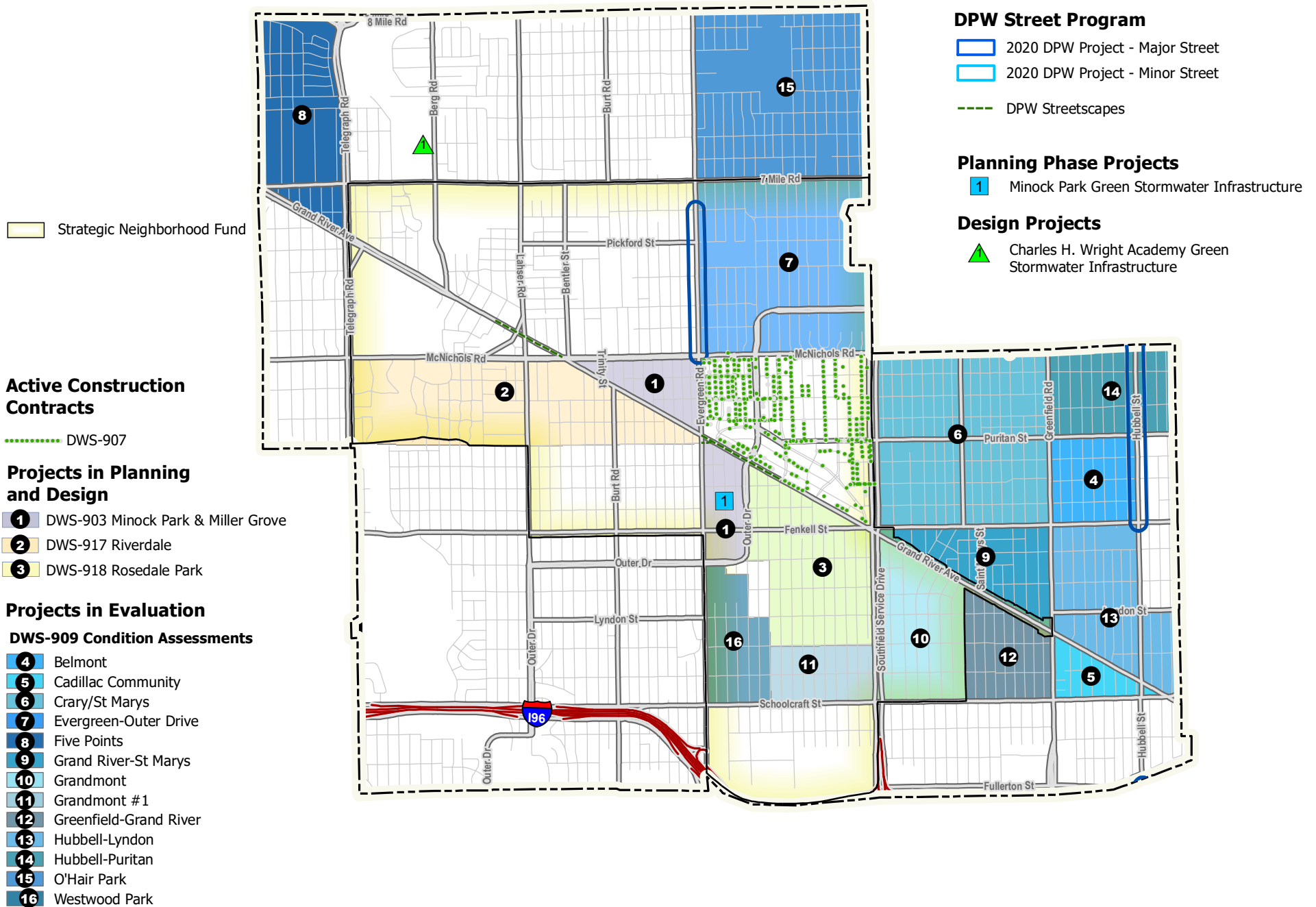


District Maps

Sewer/Green Infrastructure Projects by District

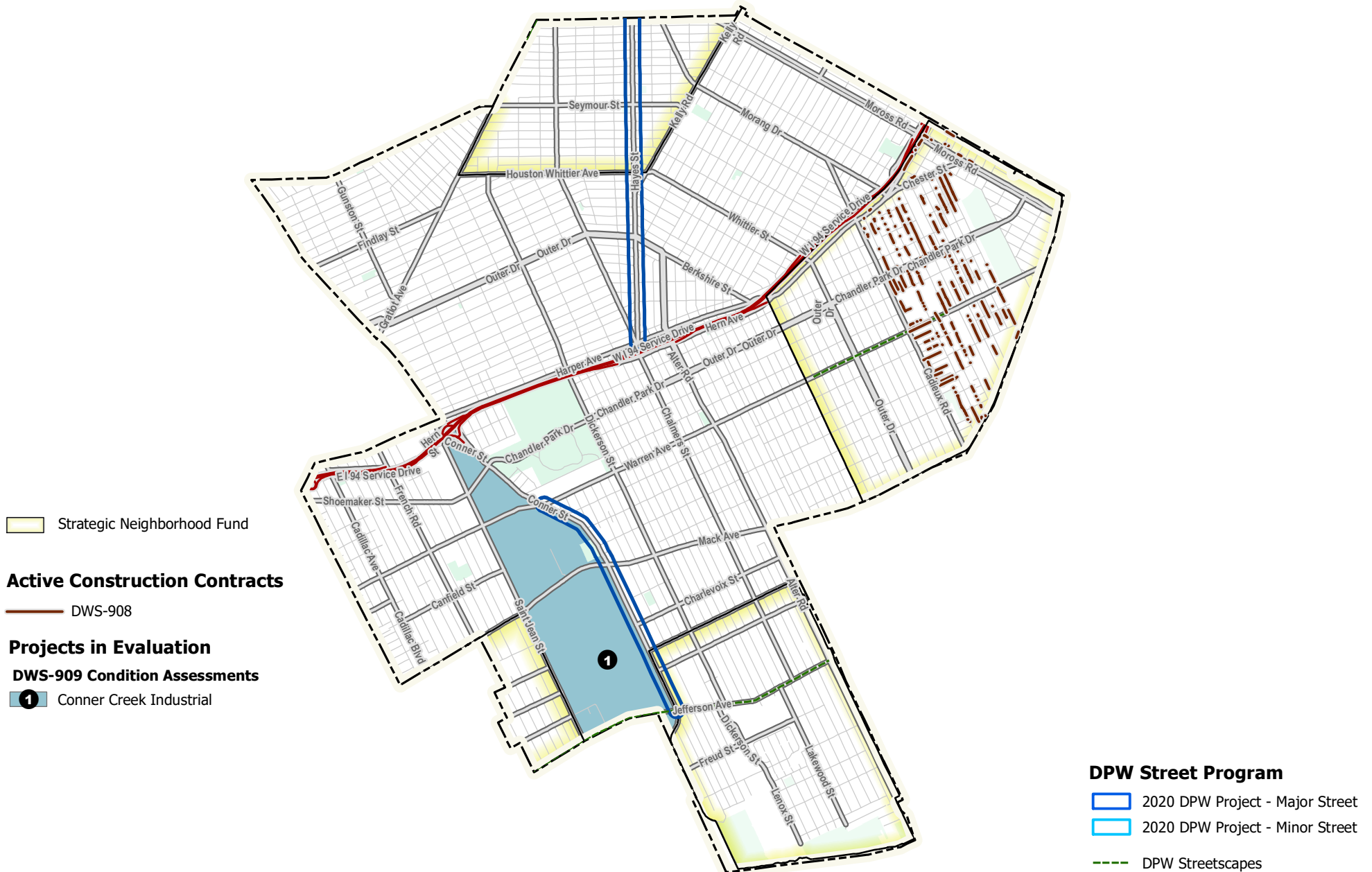
DWSD Capital Improvement Plan FY2020 Projects - Sewer

District 1 Active Projects, Condition Assessment/Evaluation, Planning, and Design



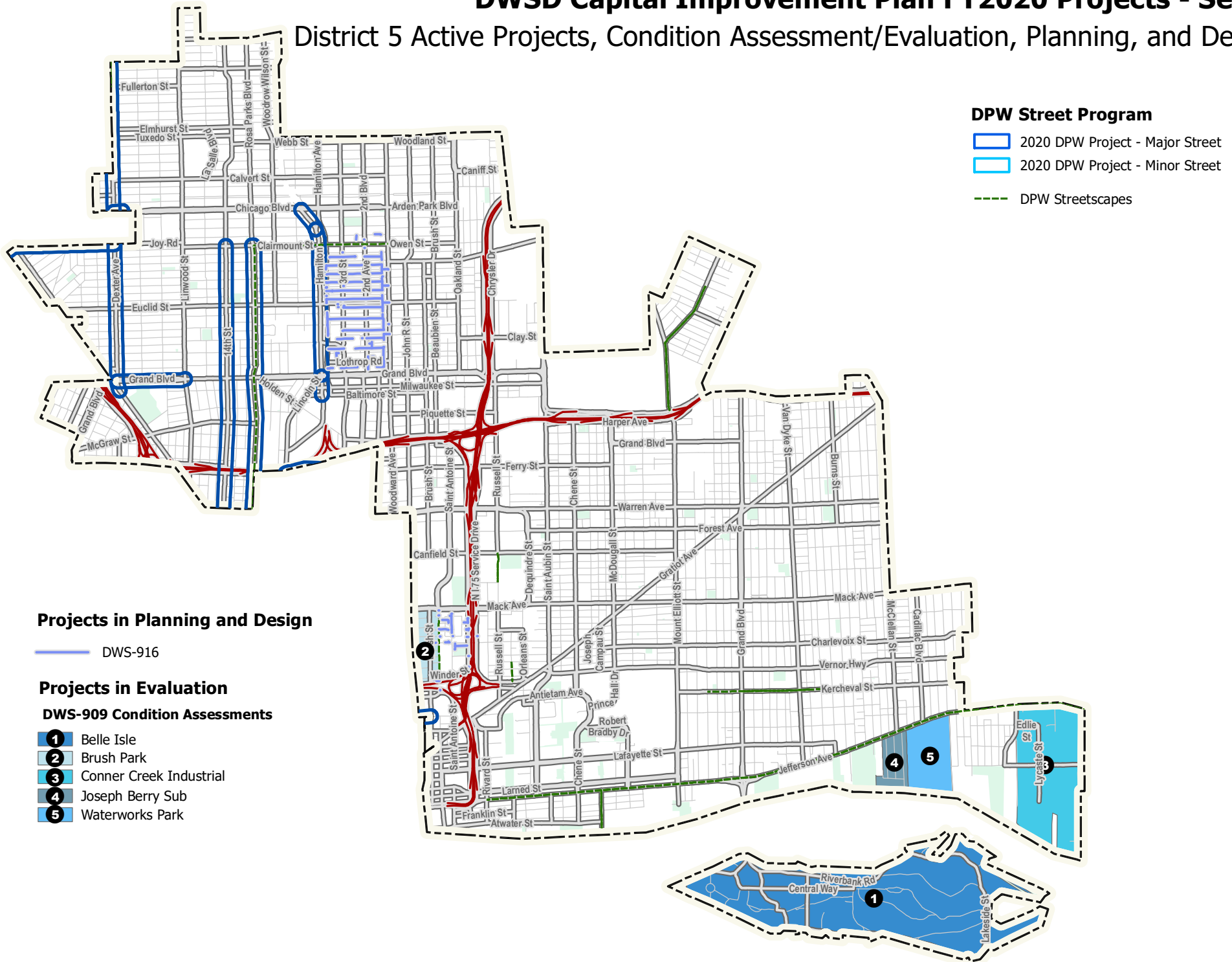
DWSD Capital Improvement Plan FY2020 Projects - Sewer

District 4 Active Projects, Condition Assessment/Evaluation, Planning, and Design



DWSD Capital Improvement Plan FY2020 Projects - Sewer

District 5 Active Projects, Condition Assessment/Evaluation, Planning, and Design



DWSD Capital Improvement Plan FY2020 Projects - Sewer

District 6 Active Projects, Condition Assessment/Evaluation, Planning, and Design






 Strategic Neighborhood Fund

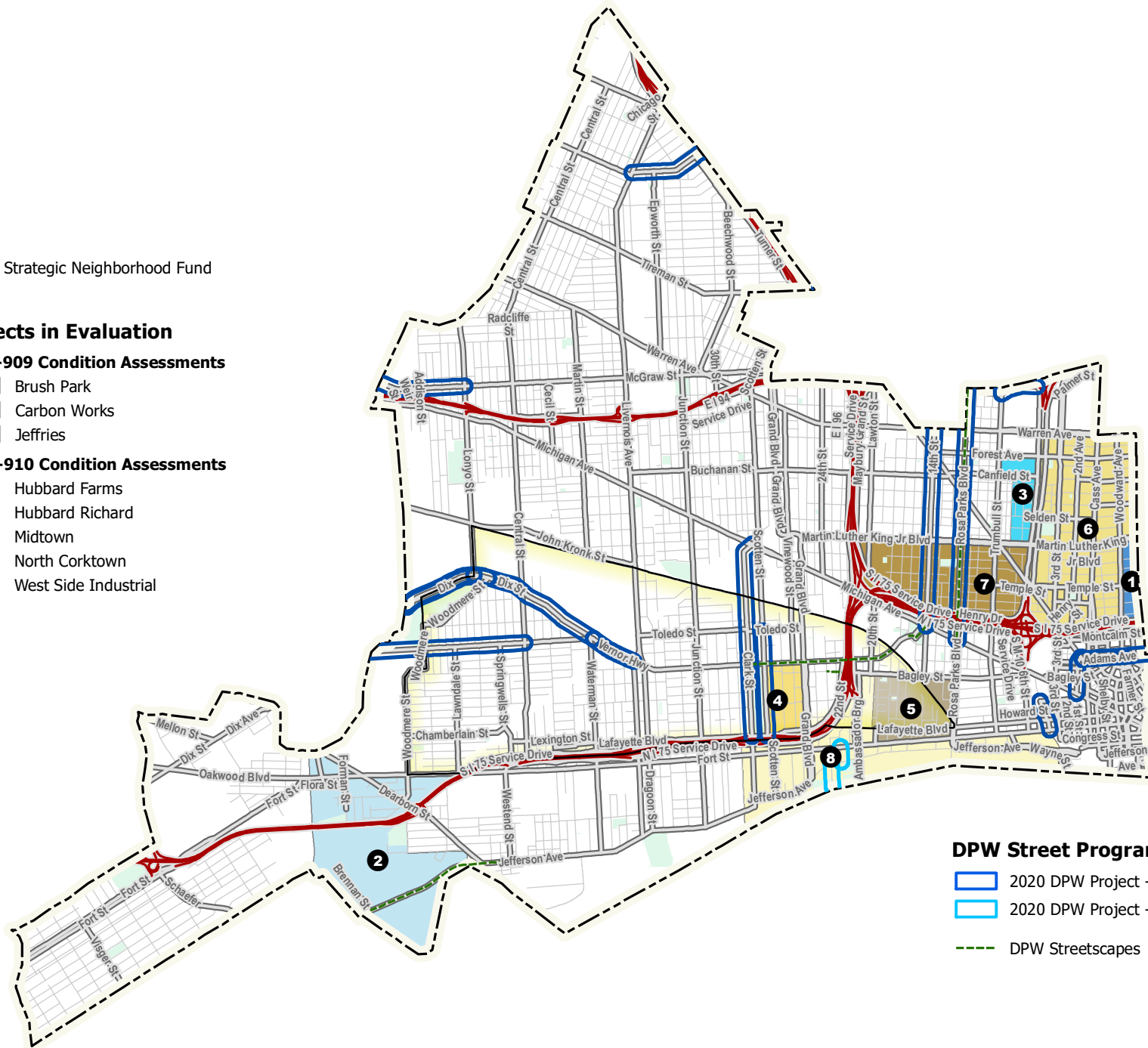
Projects in Evaluation

DWS-909 Condition Assessments




-  1 Brush Park
-  2 Carbon Works
-  3 Jeffries

DWS-910 Condition Assessments

-  4 Hubbard Farms
-  5 Hubbard Richard
-  6 Midtown
-  7 North Corktown
-  8 West Side Industrial



DPW Street Program

-  2020 DPW Project - Major Street
-  2020 DPW Project - Minor Street
-  DPW Streetscapes


DWSD Capital Improvement Plan FY2020 Projects - Sewer

District 7 Active Projects, Condition Assessment/Evaluation, Planning, and Design

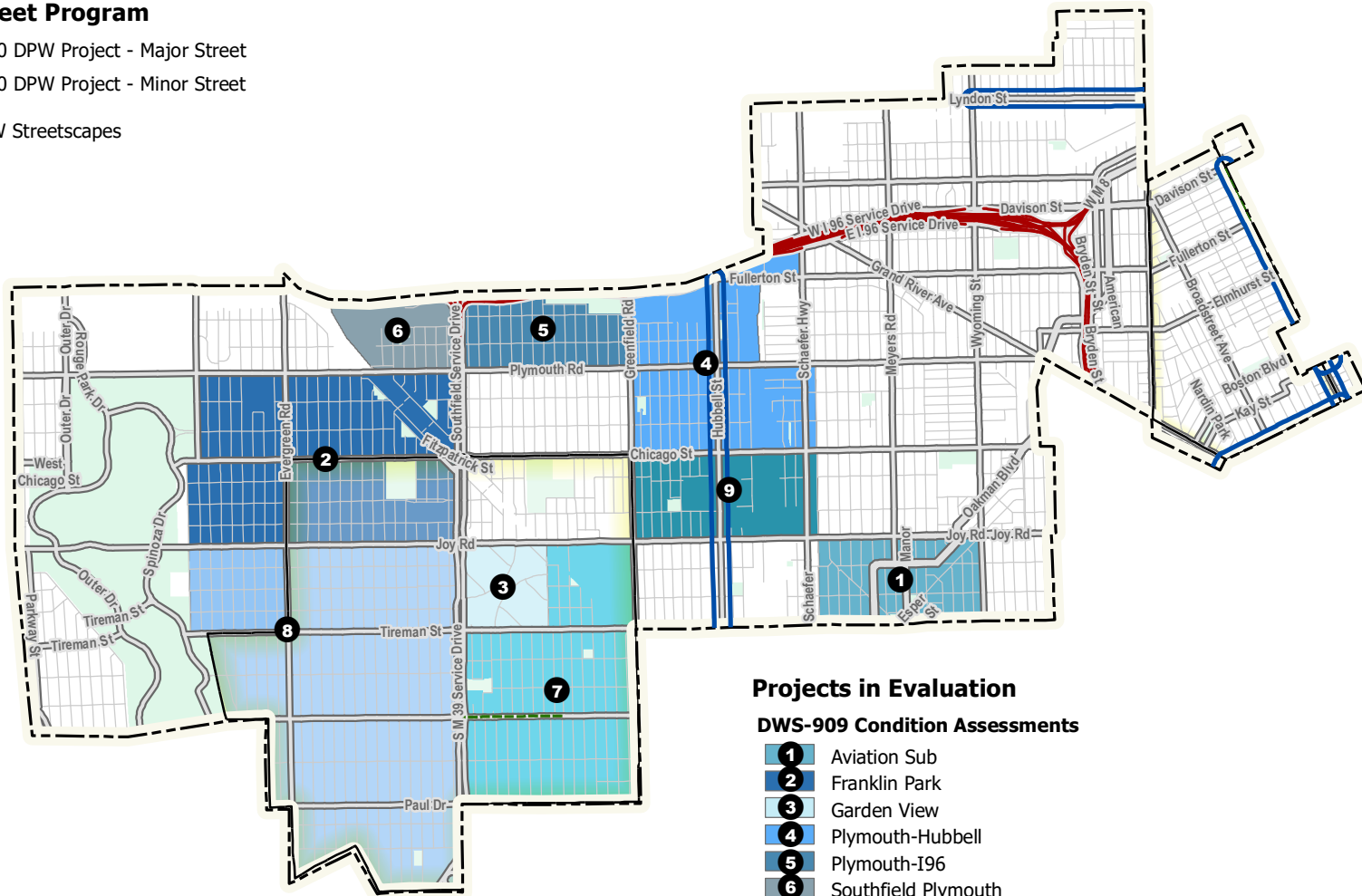
 Strategic Neighborhood Fund

DPW Street Program

 2020 DPW Project - Major Street

 2020 DPW Project - Minor Street

 DPW Streetscapes



Projects in Evaluation

DWS-909 Condition Assessments

-  1 Aviation Sub
-  2 Franklin Park
-  3 Garden View
-  4 Plymouth-Hubbell
-  5 Plymouth-I96
-  6 Southfield Plymouth
-  7 Warren Ave Community
-  8 Warrendale
-  9 We Care Community



Water & Sewerage
Department

2021 Capital Improvement Plan Street Table

Table of Upcoming Construction Projects by Streets (to/from)

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Water	Procurement	Repair	CS-1909 DWSD	24th St. Jefferson W. to C & O Rail Road	6	954	24th St.	Jefferson W.	C & O Rail Road
Sewer	Procurement	Repair	DWS-916	2nd Ave Bethune to Grand Blvd	5	499	2nd Ave	Bethune	Grand Blvd
Water	Procurement	Replace	WS-718	3rd St Euclid St to Virginia Park St	5	440	3rd St	Euclid St	Virginia Park St
Water	Procurement	Replace	WS-718	3rd St Virginia Park St to Pallister St	5	1,392	3rd St	Virginia Park St	Pallister St
Water	Design	Replace	WS-716	Alfred St Antoine to Beaubien	5	1,118	Alfred	St Antoine	Beaubien
Sewer	Procurement	Repair	DWS-916	Alfred Brush to Brush	5	24	Alfred	Brush	Brush
Sewer	Procurement	Repair	DWS-916	Alfred Chrysler to Chrysler	5	15	Alfred	Chrysler	Chrysler
Water	Design	Replace	WS-713	Alfred Brush Ford Park Lenox to Newport park boundary	4	455	Alfred Brush Ford Park	Lenox	Newport
Water	Design	Replace	WS-713	Algonquin Essex to Avondale	4	708	Algonquin	Essex	Avondale
Water	Construction	Replace	WS-712	Alstead St Moross Rd northeast to Kingsville St	4	486	Alstead S	Moross Rd northeast	Kingsville St
Water	Design	Replace	WS-713	Alter Essex to Klenk	4	3,261	Alter	Essex	Klenk
Water	Construction	Repair	WS-712	Anatole St Canyon St to Mack Ave	4	1,133	Anatole	Canyon St	Mack Ave
Sewer	Construction	Repair	DWS-907	Annchester Rd Santa Maria St to McNichols Rd	1	45	Annchester Rd	Santa Maria St	McNichols Rd
Water	Procurement	Repair	CS-1909 DWSD	Appoline Joy to Tireman	7	2,684	Appoline	Joy	Tireman
Water	Procurement	Repair	CS-1909 DWSD	Artesian Van Buren to Constance	7	653	Artesian	Van Buren	Constance
Water	Procurement	Repair	CS-1909 DWSD	Artesian Kirkwood to Paul	7	1,359	Artesian	Kirkwood	Paul
Water	Design	Replace	WS-713	Ashland Jefferson to south of Fox River	4	295	Ashland	Jefferson	Fox River
Water	Procurement	Repair	CS-1909 DWSD	Ashton W. Davison to Dead End	1	521	Ashton	W. Davison	Dead End
Water	Procurement	Repair	CS-1909 DWSD	Ashton Curtis to Seven Mile	1	2,620	Ashton	Curtis	Seven Mile
Sewer	Construction	Repair	DWS-907	Ashton Ave Florence St to Verne Ave	1	667	Ashton Ave	Florence St	Verne Ave
Sewer	Construction	Replace	DWS-907	Ashton Ave Florence St to Puritan Ave	1	654	Ashton Ave	Florence St	Puritan Ave
Sewer	Construction	Repair	DWS-907	Ashton Rd Puritan Ave to Pilgrim St	1	549	Ashton Rd	Puritan Ave	Pilgrim St
Sewer	Construction	Repair	DWS-907	Ashton Rd Midland St to Keeler St	1	33	Ashton Rd	Midland St	Keeler St
Sewer	Procurement	Repair	DWS-916	Atkinson Woodford to 2nd Ave	5	244	Atkinson	Woodford	2nd Ave
Water	Procurement	Repair	CS-1909 DWSD	Auburn Fenkell to Midland	1	1,390	Auburn	Fenkell	Midland
Water	Procurement	Replace	WS-715	Auburn St Grand River Avenue to Outer Drive	1	3,310	Auburn St	Grand River Avenue	Outer Drive
Water	Procurement	Repair	CS-1909 DWSD	Avon Outer Drive to Seven Mile	1	3,921	Avon	Outer Drive	Seven Mile
Sewer	Construction	Repair	DWS-907	Avon Rd Gainsborough Rd to Grand River Ave	1	0	Avon Rd	Gainsborough Rd	Grand River Ave
Water	Construction	Replace	WS-712	Canyon St northeast of Badluck Memorial Park (north)	4	543	Badluck Memorial Park (north)	Canyon	Balduck Park Paring Lot
Sewer	Procurement	Repair	DWS-916	Beaubien Mack to Eliot	5	6	Beaubien	Mack	Eliot
Water	Construction	Repair	WS-706	Beaverland Ave. Sawyer Ave. to Tireman	1	924	Beaverland Ave.	Sawyer Ave.	Tireman
Water	Construction	Replace	WS-712	Berden St Canyon St northeast to Moross Rd	4	404	Berden St	Canyon St northeast	Moross Rd
Sewer	Procurement	Repair	DWS-916	Bethune 3rd Ave to John C Lodge FWY	5	93	Bethune	3rd Ave	John C Lodge FWY
Water	Procurement	Replace	WS-718	Bethune St 3rd St to John C Lodge Fwy	5	509	Bethune St	3rd St	John C Lodge Fwy
Water	Procurement	Replace	WS-715	Blackstone St Grand River Avenue to Florence	1	1,393	Blackstone St	Grand River Avenue	Florence
Sewer	Procurement	Replace	DWS-916	Blaine Woodward to 3rd Ave	5	5	Blaine	Woodward	3rd Ave
Sewer	Construction	Repair	DWS-908	Bluehill Harper to Berden	4	42	Bluehill	Harper	Berden
Sewer	Construction	Repair	DWS-908	Bluehill Linville to Southampton	4	599	Bluehill	Linville	Southampton
Sewer	Construction	Repair	DWS-908	Bluehill Minneapolis to Mack	4	1,021	Bluehill	Minneapolis	Mack
Water	Construction	Replace	WS-712	Bluehill St Chandler Park Dr southeast to Southampton St	4	555	Bluehill S	Chandler Park Dr southeast	Southampton St
Water	Construction	Repair	WS-707	Brace Warren to Paul	7	2,610	Brace	Warren	Paul
Water	Procurement	Replace	WS-715	Braile St Florence to Puritan	1	628	Braile St	Florence	Puritan
Water	Procurement	Replace	WS-715	Bramell St McNichols Rd to Puritan	1	2,530	Bramell St	McNichols Rd	Puritan
Water	Procurement	Repair	CS-1909 DWSD	Brammel Tireman to Constance	7	1,693	Brammel	Tireman	Constance
Sewer	Construction	Repair	DWS-907	Bretton Dr Outer Dr to Huntington Rd	1	30	Bretton Dr	Outer Dr	Huntington Rd
Sewer	Construction	Repair	DWS-907	Bretton Dr Huntington Rd to Huntington Rd	1	40	Bretton Dr	Huntington Rd	Huntington Rd
Sewer	Construction	Repair	DWS-907	Bretton Dr Outer Dr to Shaftsbury Ave	1	10	Bretton Dr	Outer Dr	Shaftsbury Ave
Sewer	Construction	Repair	DWS-907	Bretton Dr Outer Dr to Shaftsbury Ave	1	10	Bretton Dr	Outer Dr	Shaftsbury Ave
Sewer	Construction	Repair	DWS-907	Bretton Dr Warwick St to Avon Rd	1	10	Bretton Dr	Warwick St	Avon Rd
Sewer	Construction	Repair	DWS-907	Bretton Dr Warwick St to Avon Rd	1	10	Bretton Dr	Warwick St	Avon Rd
Sewer	Construction	Repair	DWS-907	Bretton Dr Shaftsbury Ave to Warwick St	1	30	Bretton Dr	Shaftsbury Ave	Warwick St
Sewer	Construction	Repair	DWS-907	Bretton Dr Keeler St to Keeler St	1	20	Bretton Dr	Keeler St	Keeler St
Sewer	Construction	Repair	DWS-907	Bretton Dr Glastonbury Ave to Avon Rd	1	31	Bretton Dr	Glastonbury Ave	Avon Rd
Water	Procurement	Replace	WS-715	Burgess Verne to Puritan	1	1,276	Burgess	Verne	Puritan
Water	Procurement	Lining	WS-715	Burgess McNichols Rd to Verne	1	1,409	Burgess	McNichols Rd	Verne
Water	Procurement	Replace	WS-715	Burt Rd McNichols Rd to Grand River Ave	1	780	Burt Rd	McNichols Rd	Grand River Ave
Water	Procurement	Repair	CS-1909 DWSD	Burt Road Seven Mile to Vassar	1	1,339	Burt Road	Seven Mile	Vassar
Water	Procurement	Replace	WS-715	Burt St Grand River Avenue to Florence	1	1,011	Burt St	Grand River Avenue	Florence
Water	Construction	Repair	WS-712	Cadieus Rd Warren Ave to New York St	4	286	Cadieus Rd	Warren Ave	New York St
Water	Procurement	Repair	CS-1909 DWSD	Cadieus Road Harper Avenue to Munich Avenue	4	5,607	Cadieus Road	Harper Avenue	Munich Avenue
Sewer	Construction	Replace	DWS-908	Canyon Chester to Moon	4	174	Canyon	Chester	Moon

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Sewer	Construction	Repair	DWS-908	Canyon Chester to Moon	4	140	Canyon	Chester	Moon
Water	Construction	Replace	WS-712	Canyon St Mallina St southeast to Berden St	4	352	Canyon St	Mallina St southeast	Berden St
Water	Construction	Replace	WS-712	Canyon St Warren Ave south to Mack Ave	4	943	Canyon St	Warren Ave south	Mack Ave
Water	Construction	Replace	WS-712	Canyon St Edsel Ford Service Dr southeast to Rockcastle Dr	4	424	Canyon St	Edsel Ford Service Dr south	Rockcastle Dr
Water	Procurement	Repair	CS-1909 DWSD	Cathedral Grandville to Southfield Freeway	7	1,352	Cathedral	Grandville	Southfield Freeway
Water	Construction	Repair	WS-712	the intersection of Cadieux Rd and Chandler Park Dr	4	74	Chadieux Rd	Chandler Park Dr (North)	Chandler Park Dr (South)
Water	Procurement	Replace	WS-715	Chalfonte St Artesian to Stahelin	1	307	Chalfonte St	Artesian	Stahelin
Water	Design	Replace	WS-713	Chalmers Essex to Scripps	4	2,607	Chalmers	Essex	Scripps
Water	Design	Replace	WS-713	Chalmers Freud to Jefferson	4	1,155	Chalmers	Freud	Jefferson
Water	Procurement	Repair	CS-1909 DWSD	Chalmers Ave. Warren Avenue to Mack Avenue	4	3,649	Chalmers Ave.	Warren Avenue	Mack Avenue
Water	Procurement	Repair	CS-1909 DWSD	Chalmers Ave. Mack Avenue to Jefferson Avenue	4	5,459	Chalmers Ave.	Mack Avenue	Jefferson Avenue
Water	Procurement	Repair	CS-1909 DWSD	Chalmers Ave. Mack Avenue to Jefferson Avenue	4	5,508	Chalmers Ave.	Mack Avenue	Jefferson Avenue
Sewer	Procurement	Repair	DWS-916	Chandler Woodward to 2nd Ave	5	235	Chandler	Woodward	2nd Ave
Water	Construction	Replace	WS-712	Chandler Park Dr Lannoo St northeast to Moross Rd	4	566	Chandler Par	Lannoo St northeast	Moross Rd
Water	Construction	Replace	WS-712	Chandler Park Dr Lodewyck St northeast to Radnor St	4	556	Chandler Par	Lodewyck St northeast	Radnor St
Water	Construction	Replace	WS-712	Chandler Park Dr Cadieux Rd northeast to Bluehill St	4	695	Chandler Park Dr	Cadieux Rd northeast	Bluehill St
Water	Procurement	Repair	CS-1909 DWSD	Chatham Orangelawn to Plymouth	7	1,744	Chatham	Orangelawn	Plymouth
Sewer	Construction	Repair	DWS-908	Chester Marseilles to University	4	337	Chester	Marseilles	University
Water	Construction	Replace	WS-712	Chester St and Marseilles St intersection	4	508	Chester St	Maseilles	Farmbrook
Water	Construction	Replace	WS-712	Chester St at Neff Ave intersection	4	73	Chester St	Neff Ave	125 FT West
Sewer	Procurement	Replace	DWS-916	Chrysler Eliot to Wilkins	5	3	Chrysler	Eliot	Wilkins
Sewer	Procurement	Repair	DWS-916	Chrysler Mack to Watson	5	177	Chrysler	Mack	Watson
Water	Design	Replace	WS-716	Chrysler Dr Watson to Winder	5	2,416	Chrysler Dr	Watson	Winder
Water	Construction	Replace	WS-712	Cincinnati St Cadieux Rd northeast to end of street	4	655	Cincinnati	Cadieux Rd northeast	end of street
Sewer	Construction	Repair	DWS-908	Cincinnati Guilford to Cadieux	4	10	Cincinnati	Guilford	Cadieux
Sewer	Construction	Replace	DWS-908	Cincinnati Guilford to Cadieux	4	655	Cincinnati	Guilford	Cadieux
Water	Procurement	Repair	CS-1909 DWSD	Clairview (Btwn Windsor & Waveny) Neff to Westward to Dead End	4	186	Clairview (Btwn Windsor & W	Neff	Westward to Dead End
Water	Construction	Repair	WS-707	Codding Grand River to Margareta	1	1,047	Codding	Grand River	Margareta
Water	Design	Replace	WS-713	Conner Essex to Gate Valve at Park	4	839	Conner	Essex	Park
Water	Design	Replace	WS-713	Continental Freud to Jefferson	4	1,568	Continental	Freud	Jefferson
Water	Procurement	Repair	CS-1909 DWSD	Cooley Pembroke to St. Martins	1	686	Cooley	Pembroke	St. Martins
Sewer	Construction	Repair	DWS-908	Cornwall Guilford to Cadieux	4	341	Cornwall	Guilford	Cadieux
Sewer	Construction	Repair	DWS-908	Cornwall Cadieux to Guilford	4	10	Cornwall	Cadieux	Guilford
Water	Construction	Repair	WS-707	Coyle Fenkell to Grand River	1	3,993	Coyle	Fenkell	Grand River
Water	Procurement	Repair	CS-1909 -CIPMO	Davison	6	633	Davison	St Antoine St	Chrysler Service Dr.
Water	Procurement	Repair	CS-1909 DWSD	Davison Avenue Cheyenne to Wyoming	7	4,073	Davison Avenue	Cheyenne	Wyoming
Water	Procurement	Repair	CS-1909 DWSD	Davison Avenue Wyoming to Livernois	7	5,273	Davison Avenue	Wyoming	Livernois
Water	Procurement	Repair	CS-1909 DWSD	Davison Avenue McNichols to Syracuse	7	2,448	Davison Avenue	McNichols	Syracuse
Water	Procurement	Replace	WS-718	Delaware Woodward Ave to 3rd St	5	1,709	Delaware	Woodward Ave	3rd St
Water	Procurement	Repair	CS-1909 DWSD	Delaware St. 2nd Street to Woodward	5	882	Delaware St.	2nd Street	Woodward
Water	Construction	Replace	WS-712	Detroit St Cadieux Rd northeast to Guilford St	4	659	Detroit	Cadieux Rd northeast	Guilford St
Sewer	Construction	Repair	DWS-908	Detroit Cadieux to Guilford	4	151	Detroit	Cadieux	Guilford
Sewer	Construction	Replace	DWS-908	Detroit Cadieux to Guilford	4	659	Detroit	Cadieux	Guilford
Water	Design	Replace	WS-716	Division Beaubien to Winder	5	1,168	Division	Beaubien	Winder
Water	Procurement	Replace	WS-715	Dolphin St Grove to Dehner	1	420	Dolphin St	Grove	Dehner
Water	Design	Lining	WS-713	Drexel Averhill (added new valve) to Avondale South side	4	358	Drexel	Averhill	Avondale
Water	Design	Replace	WS-713	Drexel/Riverside Dr Averhill to dead-end south of Scripps	4	2,037	Drexel/Riverside Dr	Averhill	Scripps
Water	Construction	Repair	WS-707	E. Outer Drive Wallingford to 250 ft South of Cornwall	4	1,855	E. Outer Drive	Wallingford	Cornwall St
Water	Construction	Repair	WS-706	E. Outer Drive Dequindre to Mitchell	4	2,869	E. Outer Drive	Dequindre	Mitchell
Sewer	Procurement	Repair	DWS-916	Easement Benton Chrysler to East	5	103	Easement Benton	Chrysler	East
Sewer	Procurement	Repair	DWS-916	Easement E. 2nd Ave Chandler to Bethune	5	244	Easement E. 2nd Ave	Chandler	Bethune
Sewer	Construction	Repair	DWS-907	Easement E. of Bretton Dr Keeler St to Grand River Ave	1	10	Easement E. of Bretton Dr	Keeler St	Grand River Ave
Sewer	Construction	Repair	DWS-908	Easement E. of Cadieux Sioux to Detroit	4	294	Easement E. of Cadieux	Sioux	Detroit
Sewer	Construction	Repair	DWS-907	Easement E. of Edinborough Rd McNichols Rd to Grove St	1	490	Easement E. of Edinborough Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Edinborough Rd Verne Ave to Florence St	1	598	Easement E. of Edinborough Rd	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Ave Grove St to Verne Ave	1	678	Easement E. of Evergreen Ave	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Rd Verne Ave to Florence St	1	44	Easement E. of Evergreen Rd	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Rd Verne Ave to Florence St	1	10	Easement E. of Evergreen Rd	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Rd McNichols Rd to Grove St	1	10	Easement E. of Evergreen Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Rd McNichols Rd to Grove St	1	10	Easement E. of Evergreen Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Evergreen Rd McNichols Rd to Grove St	1	10	Easement E. of Evergreen Rd	McNichols Rd	Grove St

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Ave Lancashire St to Grand Rive Alley	1	10	Easement E. of Glastonbury Ave	Lancashire St	Grand Rive Alley
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Rd Verne Ave to Florence St	1	10	Easement E. of Glastonbury Rd	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Rd Grove St to Verne Ave	1	10	Easement E. of Glastonbury Rd	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Rd Grove St to Verne Ave	1	10	Easement E. of Glastonbury Rd	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Rd McNichols Rd to Grove St	1	10	Easement E. of Glastonbury Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Glastonbury Rd Puritan St to Pilgrim St	1	39	Easement E. of Glastonbury Rd	Puritan St	Pilgrim St
Sewer	Construction	Repair	DWS-907	Easement E. of Huntington McNichols Rd to Grove St	1	491	Easement E. of Huntington	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Huntington Rd Grove St to Verne Ave	1	697	Easement E. of Huntington Rd	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Outer Dr Verne Ave to Florence St	1	90	Easement E. of Outer Dr	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Plainview Ave McNichols Rd to Grove St	1	491	Easement E. of Plainview Ave	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Plainview Ave Grove St to Verne Ave	1	679	Easement E. of Plainview Ave	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Plainview Ave Verne Ave to Florence St	1	457	Easement E. of Plainview Ave	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Rosemont Ave Florence St to Puritan Ave	1	619	Easement E. of Rosemont Ave	Florence St	Puritan Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Rosemont Ave Pilgrim St to Midland St	1	1,312	Easement E. of Rosemont Ave	Pilgrim St	Midland St
Sewer	Construction	Replace	DWS-907	Easement E. of Shaftsbury Ave Verne Ave to Florence St	1	624	Easement E. of Shaftsbury Ave	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Shaftsbury Ave Verne Ave to Florence St	1	29	Easement E. of Shaftsbury Ave	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Stahelin Ave Grove St to Verne Ave	1	316	Easement E. of Stahelin Ave	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Easement E. of Warwick St McNichols Rd to Grove St	1	10	Easement E. of Warwick St	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Westmoreland Rd Verne Ave to Florence St	1	346	Easement E. of Westmoreland	F Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Westmoreland Rd Verne Ave to Florence St	1	10	Easement E. of Westmoreland	F Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Easement E. of Westmoreland Rd McNichols Rd to Grove St	1	10	Easement E. of Westmoreland	F McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Westmoreland Rd McNichols Rd to Grove St	1	471	Easement E. of Westmoreland	F McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Easement E. of Westmoreland Rd Grove St to Verne Ave	1	697	Easement E. of Westmoreland	F Grove St	Verne Ave
Sewer	Procurement	Repair	DWS-916	Easement E. St Antoine Wilkins to Alfred	5	245	Easement E. St Antoine	Wilkins	Alfred
Sewer	Procurement	Repair	DWS-916	Easement Erskin East to Beaubien	5	386	Easement Erskin	East	Beaubien
Sewer	Procurement	Repair	DWS-916	Easement Fisher FWY E Fisher Service Drive to Montcalm	5	16	Easement Fisher FWY	E Fisher Service Drive	Montcalm
Sewer	Procurement	Replace	DWS-916	Easement N. Eliot Beaubien to East	5	68	Easement N. Eliot	Beaubien	East
Sewer	Construction	Repair	DWS-908	Easement N. of Cadieux munich to Cincinnati	4	10	Easement N. of Cadieux	munich	Cincinnati
Sewer	Construction	Repair	DWS-908	Easement N. of Cadieux Waveney to Detroit	4	41	Easement N. of Cadieux	Waveney	Detroit
Sewer	Construction	Repair	DWS-908	Easement N. of Mack Woodhall to Guilford	4	204	Easement N. of Mack	Woodhall	Guilford
Sewer	Construction	Repair	DWS-908	Easement N. of Moross Edgefield to Tyrone	4	10	Easement N. of Moross	Edgefield	Tyrone
Sewer	Construction	Replace	DWS-908	Easement N. of Moross Edgefield to Tyrone	4	22	Easement N. of Moross	Edgefield	Tyrone
Sewer	Construction	Repair	DWS-908	Easement N. of Warren Cadieux to Bluehill	4	138	Easement N. of Warren	Cadieux	Bluehill
Sewer	Procurement	Repair	DWS-916	Easement S. Bethune Woodward to 2nd Ave	5	69	Easement S. Bethune	Woodward	2nd Ave
Sewer	Procurement	Repair	DWS-916	Easement S. Chandler Woodward to Delaware	5	1,287	Easement S. Chandler	Woodward	Delaware
Sewer	Procurement	Repair	DWS-916	Easement S. Eliot St Antoine to Beaubien	5	344	Easement S. Eliot	St Antoine	Beaubien
Sewer	Procurement	Replace	DWS-916	Easement S. Euclid Woodward to John C Lodge FWY	5	1,553	Easement S. Euclid	Woodward	John C Lodge FWY
Sewer	Procurement	Repair	DWS-916	Easement S. Gladstone Woodward to John C Lodge FWY	5	2,261	Easement S. Gladstone	Woodward	John C Lodge FWY
Sewer	Procurement	Repair	DWS-916	Easement S. Hazlewood Woodward to John C Lodge FWY	5	2,133	Easement S. Hazlewood	Woodward	John C Lodge FWY
Sewer	Procurement	Repair	DWS-916	Easement S. Lothrop Woodward to John C Lodge FWY	5	1,144	Easement S. Lothrop	Woodward	John C Lodge FWY
Sewer	Construction	Repair	DWS-908	Easement S. of Berden Lodewyck to Marseilles	4	367	Easement S. of Berden	Lodewyck	Marseilles
Sewer	Procurement	Repair	DWS-916	Easement S. of Blaine Woodward to John C Lodge FWY	5	2,202	Easement S. of Blaine	Woodward	John C Lodge FWY
Sewer	Construction	Repair	DWS-908	Easement S. of Cincinnati Guilford to Cadieux	4	277	Easement S. of Cincinnati	Guilford	Cadieux
Sewer	Procurement	Repair	DWS-916	Easement S. of Clairmount at 2nd Ave	5	18	Easement S. of Clairmount	2nd Ave	2nd Ave
Sewer	Construction	Repair	DWS-907	Easement S. of Florence St Evergreen Rd to Westmoreland Rd	1	24	Easement S. of Florence St	Evergreen Rd	Westmoreland Rd
Sewer	Construction	Repair	DWS-907	Easement S. of Florence St Shaftsbury Ave to Warwick St	1	10	Easement S. of Florence St	Shaftsbury Ave	Warwick St
Sewer	Construction	Repair	DWS-907	Easement S. of Florence St Shaftsbury Ave to Warwick St	1	10	Easement S. of Florence St	Shaftsbury Ave	Warwick St
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Westmoreland Rd to Edinborough Rd	1	10	Easement S. of McNichols Rd	Westmoreland Rd	Edinborough Rd
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Evergreen Rd to Plainview Ave	1	155	Easement S. of McNichols Rd	Evergreen Rd	Plainview Ave
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Huntington Rd to Outer Dr	1	227	Easement S. of McNichols Rd	Huntington Rd	Outer Dr
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Plainview Ave to Westmoreland Rd	1	208	Easement S. of McNichols Rd	Plainview Ave	Westmoreland Rd
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Edinborough Rd to Huntington Rd	1	356	Easement S. of McNichols Rd	Edinborough Rd	Huntington Rd
Sewer	Construction	Repair	DWS-907	Easement S. of McNichols Rd Warwick St to Sunderland Rd	1	10	Easement S. of McNichols Rd	Warwick St	Sunderland Rd
Sewer	Procurement	Repair	DWS-916	Easement S. of Pingress Wooward to John C Lodge FWY	5	2,225	Easement S. of Pingress	Wooward	John C Lodge FWY
Sewer	Construction	Repair	DWS-908	Easement S. of Waveney Guilford to Cadieux	4	549	Easement S. of Waveney	Guilford	Cadieux
Sewer	Procurement	Repair	DWS-916	Easement S. Philadelphia Wooward to John C. Lodge FWY	5	2,196	Easement S. Philadelphia	Wooward	John C. Lodge FWY
Sewer	Procurement	Repair	DWS-916	Easement S. Seward Woodward to 3rd St	5	1,588	Easement S. Seward	Woodward	3rd St
Sewer	Procurement	Repair	DWS-916	Easement S. Taylor Woodward to John C Lodge FWY	5	1,693	Easement S. Taylor	Woodward	John C Lodge FWY
Sewer	Procurement	Replace	DWS-916	Easement S. Virginia Woodward to John C. Lodge FWY	5	2,143	Easement S. Virginia	Woodward	John C. Lodge FWY
Sewer	Procurement	Repair	DWS-916	Easement S. Wilkins Chrysler to St Antoine	5	473	Easement S. Wilkins	Chrysler	St Antoine
Sewer	Procurement	Repair	DWS-916	Easement W. 2nd Ave Atkinson to Clairmount	5	163	Easement W. 2nd Ave	Atkinson	Clairmount

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Sewer	Procurement	Repair	DWS-916	Easement W. 2nd Ave Lothorp to Grand Blvd	5	207	Easement W. 2nd Ave	Lothorp	Grand Blvd
Sewer	Procurement	Repair	DWS-916	Easement W. 2nd Ave between Atkinson and Clairmount	5	9	Easement W. 2nd Ave	Atkinson	Clairmount
Sewer	Procurement	Replace	DWS-916	Easement W. 3rd Ave Seward to Lathrop	5	166	Easement W. 3rd Ave	Seward	Lathrop
Sewer	Procurement	Replace	DWS-916	Easement W. 3rd Ave Euclid to Virginia Park	5	12	Easement W. 3rd Ave	Euclid	Virginia Park
Sewer	Procurement	Repair	DWS-916	Easement W. Chrysler Benton to Winder	5	53	Easement W. Chrysler	Benton	Winder
Sewer	Procurement	Repair	DWS-916	Easement W. East St Eliot to Watson	5	661	Easement W. East St	Eliot	Watson
Sewer	Construction	Repair	DWS-908	Easement W. of Bluehill Harper to Berden	4	369	Easement W. of Bluehill	Harper	Berden
Sewer	Construction	Repair	DWS-908	Easement W. of Farmbrook Minvera to Berden	4	97	Easement W. of Farmbrook	Minvera	Berden
Sewer	Construction	Repair	DWS-908	Easement W. of Farmbrook Southampton to Frankfort	4	305	Easement W. of Farmbrook	Southampton	Frankfort
Sewer	Construction	Repair	DWS-908	Easement W. of Farmbrook Cornwall to Munich	4	373	Easement W. of Farmbrook	Cornwall	Munich
Sewer	Construction	Repair	DWS-908	Easement W. of Farmbrook Chester to Linville	4	471	Easement W. of Farmbrook	Chester	Linville
Sewer	Construction	Repair	DWS-908	Easement W. of Farmbrook Warren to Munich	4	18	Easement W. of Farmbrook	Warren	Munich
Sewer	Construction	Repair	DWS-908	Easement W. of Hereford Chester to Minvera	4	387	Easement W. of Hereford	Chester	Minvera
Sewer	Construction	Repair	DWS-908	Easement W. of Hereford Berden to Southampton	4	1,426	Easement W. of Hereford	Berden	Southampton
Sewer	Construction	Repair	DWS-908	Easement W. of Hereford Southampton to Warren	4	649	Easement W. of Hereford	Southampton	Warren
Sewer	Construction	Repair	DWS-908	Easement W. of Hereford Munich to Mack	4	624	Easement W. of Hereford	Munich	Mack
Sewer	Construction	Repair	DWS-908	Easement W. of Lodewyck Southampton to Frankfort	4	629	Easement W. of Lodewyck	Southampton	Frankfort
Sewer	Construction	Repair	DWS-908	Easement W. of Lodewyck Warren to Cornwall	4	594	Easement W. of Lodewyck	Warren	Cornwall
Sewer	Construction	Repair	DWS-908	Easement W. of Lodewyck Chandler Park to Frankfort	4	20	Easement W. of Lodewyck	Chandler Park	Frankfort
Sewer	Construction	Repair	DWS-908	Easement W. of Marseille Edsel Ford Hwy to Chester	4	8	Easement W. of Marseille	Edsel Ford Hwy	Chester
Sewer	Construction	Repair	DWS-908	Easement W. of Marseille Chester to Minvera	4	313	Easement W. of Marseille	Chester	Minvera
Sewer	Construction	Repair	DWS-908	Easement W. of Marseille Berden to Frankfort	4	62	Easement W. of Marseille	Berden	Frankfort
Sewer	Construction	Repair	DWS-908	Easement W. of Marseille Southampton to Munich	4	1,008	Easement W. of Marseille	Southampton	Munich
Sewer	Construction	Repair	DWS-908	Easement W. of Marseille Munich to Mack	4	306	Easement W. of Marseille	Munich	Mack
Sewer	Construction	Repair	DWS-908	Easement W. of Marseilles Berden to Chandler Park	4	341	Easement W. of Marseilles	Berden	Chandler Park
Sewer	Construction	Repair	DWS-908	Easement W. of Marseilles Frankfort to Warren	4	300	Easement W. of Marseilles	Frankfort	Warren
Sewer	Construction	Repair	DWS-908	Easement W. of Oldtown Harper to Bern	4	33	Easement W. of Oldtown	Harper	Bern
Sewer	Construction	Repair	DWS-908	Easement W. of Oldtown Chandler Park to Southampton	4	479	Easement W. of Oldtown	Chandler Park	Southampton
Sewer	Construction	Repair	DWS-908	Easement W. of Radnor Chester to Linville	4	1,250	Easement W. of Radnor	Chester	Linville
Sewer	Construction	Repair	DWS-908	Easement W. of Radnor Cornwall to Munich	4	290	Easement W. of Radnor	Cornwall	Munich
Sewer	Construction	Repair	DWS-908	Easement W. of University Linville to Chandler Park	4	334	Easement W. of University	Linville	Chandler Park
Sewer	Construction	Repair	DWS-908	Easement W. of University Frankfort to Munich	4	1,294	Easement W. of University	Frankfort	Munich
Sewer	Construction	Repair	DWS-908	Easement W. of University Frankfort to Hereford	4	172	Easement W. of University	Frankfort	Hereford
Sewer	Procurement	Repair	DWS-916	Easement W. Woodward Taylor to Grand Blvd	5	3,348	Easement W. Woodward	Taylor	Grand Blvd
Sewer	Construction	Repair	DWS-908	Easement W. of Bluehill Linville to Southampton	4	322	Easement W. of Bluehill	Linville	Southampton
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd Trombly to McDougall	5	4,174	East Grand Blvd	Trombly	McDougall
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd Oakland Ave. to Trombly	5	4,492	East Grand Blvd	Oakland Ave.	Trombly
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd Lodge Frwy to Oakland Ave.	5	5,165	East Grand Blvd	Lodge Frwy	Oakland Ave.
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd McDougall to Helen	5	4,601	East Grand Blvd	McDougall	Helen
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd Helen to Forest	5	3,844	East Grand Blvd	Helen	Forest
Water	Procurement	Repair	CS-1909 DWSD	East Grand Blvd Vernor to E. Jefferson Ave.	5	5,579	East Grand Blvd	Vernor	E. Jefferson Ave.
Water	Design	Replace	WS-713	Eastlawn dead end to Scripps (added new valve)	4	397	Eastlawn	Scripps	Dead End South
Water	Construction	Replace	DWS-907	Edinborough Rd Bretton Dr north to McNichols Rd	1	3,364	Edinborough	Bretton Dr North	McNichols Rd
Sewer	Construction	Repair	DWS-907	Edinborough Rd McNichols Rd to Grove St	1	736	Edinborough Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Edinborough Rd Grove St to Verne Ave	1	876	Edinborough Rd	Grove St	Verne Ave
Sewer	Construction	Replace	DWS-907	Edinborough Rd Grove St to Verne Ave	1	622	Edinborough Rd	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Edinborough Rd Grove St to Grove St	1	41	Edinborough Rd	Grove St	Grove St
Sewer	Construction	Repair	DWS-908	Edsel Ford Hwy Farmbrook to Hereford	4	552	Edsel Ford Hwy	Farmbrook	Hereford
Sewer	Construction	Repair	DWS-908	Edsel Ford Hwy Moross to Canyon	4	184	Edsel Ford Hwy	Moross	Canyon
Sewer	Procurement	Repair	DWS-916	Euclid Woodward to 2nd Ave	5	260	Euclid	Woodward	2nd Ave
Water	Procurement	Repair	CS-1909 DWSD	Evergreen Elmira to Chicago	7	1,766	Evergreen	Elmira	Chicago
Sewer	Construction	Repair	DWS-907	Evergreen Rd Verne Ave to Verne Ave	1	10	Evergreen Rd	Verne Ave	Verne Ave
Water	Construction	Replace	WS-712	Farmbrook St Edsel Ford Service Dr to Chandler Park Dr	4	897	Farmbrook	Edsel Ford Service Dr	Chandler Park Dr
Water	Construction	Replace	WS-712	Farmbrook St Chandler Park Dr southeast to Cornwall St	4	5,214	Farmbrook St	Chandler Park Dr southeast	Cornwall St
Water	Procurement	Repair	CS-1909 DWSD	Faust W. Chicago to Cathedral	7	1,255	Faust	W. Chicago	Cathedral
Water	Procurement	Repair	CS-1909 DWSD	Faust Kirkwood to Dayton	7	765	Faust	Kirkwood	Dayton
Water	Procurement	Repair	CS-1909 DWSD	Faust Dover to Joy	7	619	Faust	Dover	Joy
Water	Procurement	Repair	CS-1909 DWSD	Fielding Tireman to Belton	7	663	Fielding	Tireman	Belton
Sewer	Procurement	Repair	DWS-916	Fisher FWY Beaubien to Brush	5	385	Fisher FWY	Beaubien	Brush
Sewer	Construction	Repair	DWS-907	Florence St Plainview Ave to Westmoreland Rd	1	10	Florence St	Plainview Ave	Westmoreland Rd
Sewer	Construction	Repair	DWS-907	Florence St Evergreen Rd to Plainview Ave	1	10	Florence St	Evergreen Rd	Plainview Ave

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Sewer	Construction	Repair	DWS-907	Florence St Edinborough Rd to Huntington Rd	1	21	Florence St	Edinborough Rd	Huntington Rd
Sewer	Construction	Repair	DWS-907	Florence St Westmoreland Rd to Edinborough Rd	1	10	Florence St	Westmoreland Rd	Edinborough Rd
Sewer	Construction	Repair	DWS-907	Florence St Huntington Rd to Shaftsbury Ave	1	738	Florence St	Huntington Rd	Shaftsbury Ave
Sewer	Construction	Repair	DWS-907	Florence St Warwick St to Outer Dr	1	10	Florence St	Warwick St	Outer Dr
Sewer	Construction	Repair	DWS-907	Florence St Outer Dr to Shaftsbury Ave	1	10	Florence St	Outer Dr	Shaftsbury Ave
Sewer	Construction	Repair	DWS-907	Florence St Outer Dr to Shaftsbury Ave	1	25	Florence St	Outer Dr	Shaftsbury Ave
Water	Procurement	Repair	CS-1909 DWSD	Fourth Street Selden to Calumet	6	1,219	Fourth Street	Selden	Calumet
Water	Construction	Repair	WS-707	Fullerton Petoskey to Dexter	7	1,309	Fullerton	Petoskey	Dexter
Sewer	Construction	Repair	DWS-907	Gainsborough Rd Warwick St to Outer Dr	1	688	Gainsborough Rd	Warwick St	Outer Dr
Sewer	Construction	Replace	DWS-907	Gainsborough Rd Warwick St to Outer Dr	1	451	Gainsborough Rd	Warwick St	Outer Dr
Sewer	Procurement	Repair	DWS-916	Gladstone 2nd Ave to 3rd Ave	5	2	Gladstone	2nd Ave	3rd Ave
Sewer	Procurement	Repair	DWS-916	Gladstone Woodward to 2nd Ave	5	266	Gladstone	Woodward	2nd Ave
Sewer	Construction	Replace	DWS-907	Glastonbury Rd McNichols Rd to Grove St	1	495	Glastonbury Rd	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Glastonbury Rd Grove St to Verne Ave	1	669	Glastonbury Rd	Grove St	Verne Ave
Sewer	Construction	Replace	DWS-907	Glastonbury Rd Puritan Ave to Florence St	1	27	Glastonbury Rd	Puritan Ave	Florence St
Sewer	Construction	Replace	DWS-907	Glastonbury Rd McNichols Rd to Grove St	1	495	Glastonbury Rd	McNichols Rd	Grove St
Sewer	Construction	Replace	DWS-907	Grand River Alley Bretton Dr to Outer Dr	1	325	Grand River Alley	Bretton Dr	Outer Dr
Sewer	Construction	Repair	DWS-907	Grand River Alley Bretton Dr to Outer Dr	1	407	Grand River Alley	Bretton Dr	Outer Dr
Sewer	Construction	Repair	DWS-907	Grand River Alley Outer Dr to Warwick St	1	745	Grand River Alley	Outer Dr	Warwick St
Sewer	Construction	Repair	DWS-907	Grand River Alley Avon Rd to Glastonbury Ave	1	10	Grand River Alley	Avon Rd	Glastonbury Ave
Sewer	Construction	Repair	DWS-907	Grand River Alley Glastonbury Ave to Kentford St	1	365	Grand River Alley	Glastonbury Ave	Kentford St
Sewer	Construction	Repair	DWS-907	Grand River Alley Kentford St to Bretton Dr	1	139	Grand River Alley	Kentford St	Bretton Dr
Water	Procurement	Replace	WS-715	Perpendicular to Grand River Ave 183' South of Glastonbury Ave	1	66	Grand River Ave	183' from Glastonbury	<Null>
Sewer	Construction	Repair	DWS-907	Grand River Ave Warwick St to Avon Rd	1	706	Grand River Ave	Warwick St	Avon Rd
Water	Construction	Repair	WS-714	Grand River Avenue Fenkell to McNichols	1	14,837	Grand River Avenue	Fenkell	McNichols
Water	Construction	Replace	WS-714	Grand River Avenue Maren to Southfield HWY	1	14,837	Grand River Avenue	Maren	Southfield HWY
Water	Procurement	Repair	CS-1909 DWSD	Grandville Joy Road to Belton	7	1,994	Grandville	Joy Road	Belton
Water	Procurement	Repair	CS-1909 DWSD	Gratiot (M-3) Seven Mile to Eight Mile	4	6,067	Gratiot (M-3)	Seven Mile	Eight Mile
Sewer	Construction	Repair	DWS-908	Gravier Bluehill to Cadieux	4	10	Gravier	Bluehill	Cadieux
Water	Design	Repair	WS-711	Greenfield West Chicago to Warren	7	7,925	Greenfield Road	West Chicago	Warren
Water	Design	Repair	WS-711	Greenview Warren to Paul	7	2,606	Greenview	Warren	Paul
Water	Procurement	Repair	CS-1909 DWSD	Greenview Sawyer to Tireman	1	1,302	Greenview	Sawyer	Tireman
Water	Procurement	Repair	CS-1909 DWSD	Greenview Kirkwood to Dayton	1	764	Greenview	Kirkwood	Dayton
Water	Procurement	Repair	CS-1909 DWSD	Greenview Chalfonte to Fenkell	1	933	Greenview	Chalfonte	Fenkell
Sewer	Construction	Repair	DWS-907	Greenview Ave Florence St to Puritan Ave	1	679	Greenview Ave	Florence St	Puritan Ave
Sewer	Construction	Repair	DWS-907	Grove St Evergreen Rd to Plainview Ave	1	10	Grove St	Evergreen Rd	Plainview Ave
Sewer	Construction	Repair	DWS-907	Grove St Evergreen Rd to Plainview Ave	1	10	Grove St	Evergreen Rd	Plainview Ave
Sewer	Construction	Repair	DWS-907	Grove St Westmoreland Rd to Plainview Ave	1	346	Grove St	Westmoreland Rd	Plainview Ave
Sewer	Construction	Repair	DWS-907	Grove St Edinborough Rd to Huntington Rd	1	293	Grove St	Edinborough Rd	Huntington Rd
Sewer	Construction	Repair	DWS-907	Grove St Westmoreland Rd to Edinborough Rd	1	215	Grove St	Westmoreland Rd	Edinborough Rd
Sewer	Construction	Repair	DWS-907	Grove St Outer Dr to Huntington Rd	1	190	Grove St	Outer Dr	Huntington Rd
Water	Construction	Replace	WS-712	Guilford St Harper St southeast to Chandler Park Dr	4	2,999	Guilford St	Harper St southeast	Chandler Park Dr
Sewer	Construction	Repair	DWS-908	Guilford Warren to Munich	4	53	Guilford	Warren	Munich
Sewer	Construction	Repair	DWS-908	Guilford Windsor to Mack	4	552	Guilford	Windsor	Mack
Sewer	Construction	Repair	DWS-908	Guilford Berden to Linville	4	20	Guilford	Berden	Linville
Sewer	Construction	Repair	DWS-908	Guilford Chandler Park to Southampton	4	373	Guilford	Chandler Park	Southampton
Sewer	Construction	Repair	DWS-908	Guilford Harper to Linville	4	358	Guilford	Harper	Linville
Sewer	Construction	Repair	DWS-908	Guilford Linville to Chandler Park	4	33	Guilford	Linville	Chandler Park
Water	Construction	Replace	WS-712	Guilford St alley southeast to Warren Ave	4	73	Guilford St	alley southeast	Warren Ave
Water	Construction	Replace	WS-712	Guilford St alley southeast to Warren Ave	4	981	Guilford St	alley southeast	Warren Ave
Water	Design	Replace	WS-713	Harbor Island Lakewood to dead end (before Alter)	4	1,704	Harbor Island	Lakewood	Alter Rd
Water	Procurement	Repair	CS-1909 DWSD	Harlow Puritan to Verne	1	1,322	Harlow	Puritan	Verne
Sewer	Construction	Repair	DWS-908	Harper Woodhall to Oldtown	4	20	Harper	Woodhall	Oldtown
Water	Procurement	Repair	CS-1909 DWSD	Hayes Seven Mile to Houston-Whitier	4	5,319	Hayes	Seven Mile	Houston-Whitier
Water	Procurement	Repair	CS-1909 DWSD	Hayes Elmdale to Harper Avenue	4	2,055	Hayes	Elmdale	Harper Avenue
Water	Construction	Replace	WS-712	Hereford St Minerva St southeast to Chandler Park Dr	4	1,611	Hereford St	Minerva St southeast	Chandler Park Dr
Water	Construction	Replace	WS-712	Hillcrest St Rolandale St southeast to Mack Ave	4	2,786	Hillcrest St	Rolandale St southeast	Mack Ave
Sewer	Construction	Repair	DWS-907	Huntington Rd Bretton Dr to Bretton Dr	1	13	Huntington Rd	Bretton Dr	Bretton Dr
Sewer	Construction	Repair	DWS-907	Huntington Rd Florence St to Bretton Dr	1	206	Huntington Rd	Florence St	Bretton Dr
Sewer	Construction	Repair	DWS-907	Huntington Rd Grove St to Grove St	1	24	Huntington Rd	Grove St	Grove St
Sewer	Construction	Replace	DWS-907	Huntington St Grove St to Verne Ave	1	682	Huntington St	Grove St	Verne Ave

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Water	Design	Repair	WS-711	Jefferson Ave (Both Sides) Mt. Elliott to Beaufait	5	755	Jefferson Ave (Both Sides)	Mt. Elliott	Beaufait
Water	Design	Repair	WS-711	Jefferson Ave (N Side) I-375 Svc Dr to Orleans	5	1,897	Jefferson Ave (N Side)	I-375 Svc Dr	Orleans
Water	Procurement	Repair	CS-1909 DWSD	Jefferson Ave. W. 15th St. to Vermont St.	6	1,058	Jefferson Ave. W.	15th St.	Vermont St.
Water	Procurement	Repair	CS-1909 DWSD	Jefferson Ave. W. Vermont St. to Rosa Park Blvd.	6	583	Jefferson Ave. W.	Vermont St.	Rosa Park Blvd.
Water	Procurement	Repair	CS-1909 DWSD	Jefferson Ave. W. (N) Shelby St. to Woodward	6	754	Jefferson Ave. W. (N)	Shelby St.	Woodward
Water	Procurement	Repair	CS-1909 DWSD	Jefferson Ave. W. (S) Civic Center Dr. to Woodward Ave.	6	793	Jefferson Ave. W. (S)	Civic Center Dr.	Woodward Ave.
Sewer	Procurement	Repair	DWS-916	John C Lode FWY Easement N. of Gladstone to Delaware	5	1,426	John C Lode FWY	Easement N. of Gladstone	Delaware
Water	Procurement	Repair	CS-1909 DWSD	Joy Road Wyoming to Livernois	7	5,282	Joy Road	Wyoming	Livernois
Water	Design	Repair	WS-710	Kelly Glenwood to Eastwood	7	1,424	Kelly	Glenwood	Eastwood
Sewer	Construction	Repair	DWS-908	Kingsville Edgefield to Tyrone	4	289	Kingsville	Edgefield	Tyrone
Water	Design	Replace	WS-713	Klenk St. Alter to dead end	4	655	Klenk St.	Alter	Riverside Blvd
Water	Design	NEW PIPE	WS-713	Klenk St. Dead end across channel to Riverside Blvd	4	374	Klenk St.	Riverside Blvd	Dead End West
Water	Construction	Repair	WS-712	Lafontaine St Canyon St to Mack Ave	4	1,413	Lafontaine	Canyon St	Mack Ave
Water	Procurement	Lining	WS-715	Lahser Rd Kessler to Puritan	1	367	Lahser Rd	Kessler	Puritan
Water	Procurement	Lining	WS-715	Lahser Rd McNichols Rd to Grove	1	611	Lahser Rd	McNichols Rd	Grove
Water	Design	Upsize	WS-713	Lakewood Riverside Blvd to Scripps	4	473	Lakewood	Riverside Blvd	Scripps
Water	Design	Upsize	WS-713	Lakewood Scripps to Avondale	4	1,705	Lakewood	Scripps	Avondale
Water	Design	Upsize	WS-713	Lakewood Essex to Avondale	4	826	Lakewood	Essex	Avondale
Water	Procurement	Repair	CS-1909 DWSD	Lamphere Sawyer to Majestic	7	871	Lamphere	Sawyer	Majestic
Water	Procurement	Replace	WS-715	Lamphere Verne to Puritan	1	1,292	Lamphere	Verne	Puritan
Sewer	Construction	Repair	DWS-907	Lancashire St Outer Dr to Warwick St	1	30	Lancashire St	Outer Dr	Warwick St
Sewer	Construction	Replace	DWS-907	Lancashire St Outer Dr to Bretton Dr	1	798	Lancashire St	Outer Dr	Bretton Dr
Sewer	Construction	Replace	DWS-907	Lancashire St Warwick St to Avon Rd	1	234	Lancashire St	Warwick St	Avon Rd
Water	Construction	Replace	WS-712	Lannoo St Linville St to Chandler Park Dr	4	1,553	Lannoo St	Linville St	Chandler Park Dr
Water	Construction	Replace	WS-712	Lannoo St Canyon Ave to Linville St	4	2,112	Lannoo St	Canyon Ave	Linville St
Water	Design	Replace	WS-713	Lenox Korte to dead-end south of Scripps	4	1,283	Lenox	Korte	Scripps
Water	Procurement	Repair	CS-1909 DWSD	Lindsay Curtis to Clarita	2	2,009	Lindsay	Curtis	Clarita
Water	Construction	Repair	WS-712	Linville Moross Rd. to Kingsville St.	4	523	Linville	Moross Rd.	Kingsville St.
Water	Procurement	Repair	CS-1909 DWSD	Lothrop Rd. 3rd Street to 2nd Street	5	933	Lothrop Rd.	3rd Street	2nd Street
Water	Procurement	Repair	CS-1909 DWSD	Lothrop Rd. 2nd Street to Woodward	5	896	Lothrop Rd.	2nd Street	Woodward
Sewer	Construction	Repair	DWS-908	Mack Farmbrook to Radnor	4	216	Mack	Farmbrook	Radnor
Water	Construction	Replace	WS-712	Mack Ave Moross Rd to Allard Ave	4	639	Mack Ave	Moross Rd	Allard Ave
Water	Construction	Replace	WS-712	Mack Ave Neff Ave northeast towards Hereford St	4	128	Mack Ave	Neff Ave northeast	Hereford St
Water	Design	Replace	WS-713	Manistique Essex to Scripps	4	2,585	Manistique	Essex	Scripps
Water	Procurement	Repair	CS-1909 DWSD	Manor Joy to Tireman	7	2,683	Manor	Joy	Tireman
Water	Procurement	Repair	CS-1909 DWSD	Mansfield Thatcher to Curtis	2	695	Mansfield	Thatcher	Curtis
Water	Procurement	Repair	CS-1909 DWSD	Mansfield Capital to Wadsworth	1	848	Mansfield	Capital	Wadsworth
Water	Construction	Repair	WS-707	Margareta Codding to Shiawassee	1	367	Margareta	Codding	Shiawassee
Water	Design	Replace	WS-713	Marlborough Freud to Jefferson	4	1,182	Marlborough	Freud	Jefferson
Water	Procurement	Repair	CS-1909 DWSD	McGraw Cecil to Warren W.	6	5,711	McGraw	Cecil	Warren W.
Water	Construction	Repair	WS-706	McNichols Schaefer to James Couzens	2	1,918	McNichols	Schaefer	James Couzens
Sewer	Construction	Repair	DWS-907	Midland Rd Rosemont Ave to Ashton Rd	1	1,279	Midland Rd	Rosemont Ave	Ashton Rd
Sewer	Construction	Repair	DWS-908	Minneapolis Guilford to Cadieux	4	18	Minneapolis	Guilford	Cadieux
Water	Procurement	Replace	WS-715	Minock St Grand River Avenue to Fenkell St	1	2,202	Minock St	Grand River Avenue	Fenkell St
Water	Procurement	Repair	CS-1909 DWSD	Montrose Schoolcraft to Grand River	1	2,342	Montrose	Schoolcraft	Grand River
Sewer	Construction	Repair	DWS-908	Moross Cheshire to Mallina	4	253	Moross	Cheshire	Mallina
Sewer	Construction	Repair	DWS-908	Moross Edsel Ford Hwy to Edgefield	4	167	Moross	Edsel Ford Hwy	Edgefield
Water	Construction	Replace	WS-712	Moross Rd Edsel Ford Service Dr southeast to Alstead St	4	157	Moross Rd	Edsel Ford Service Dr south	Alstead St
Water	Design	Replace	WS-713	Navahoe Essex to Avondale	4	835	Navahoe	Essex	Avondale
Water	Design	Repair	WS-711	NB Southfield Fwy Service Drive 7 Mile to Pembroke	1	2,748	NB Southfield Fwy Service Drive	Seven Mile	Pembroke
Sewer	Construction	Repair	DWS-908	Neff Minvera to Berden	4	519	Neff	Minvera	Berden
Sewer	Construction	Repair	DWS-908	Neff Berden to Chandler Park	4	341	Neff	Berden	Chandler Park
Sewer	Construction	Repair	DWS-908	Neff Warren to Munich	4	556	Neff	Warren	Munich
Sewer	Construction	Repair	DWS-908	Neff Southampton to Warren	4	742	Neff	Southampton	Warren
Sewer	Construction	Repair	DWS-908	Neff Chandler Park to Southampton	4	22	Neff	Chandler Park	Southampton
Sewer	Construction	Repair	DWS-908	Neff Munich to Waveney	4	44	Neff	Munich	Waveney
Water	Construction	Replace	WS-712	New York St Cadieux Rd northeast to Guilford St	4	573	New York	Cadieux Rd northeast	Guilford St
Sewer	Construction	Repair	DWS-908	New York Cadieux to Guilford	4	350	New York	Cadieux	Guilford
Sewer	Construction	Replace	DWS-908	New York Cadieux to Guilford	4	573	New York	Cadieux	Guilford
Water	Design	Replace	WS-713	Newport dead end to Scripps (added new valve)	4	430	Newport	Scripps	Dead End South
Water	Design	Replace	WS-713	Newport Avondale to Essex	4	929	Newport	Avondale	Essex

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Water	Procurement	Repair	CS-1909 DWSD	Oakfield Puritan to Verne	2	1,301	Oakfield	Puritan	Verne
Water	Procurement	Repair	PC-801A	Oakman Joy to Tireman	7	4,698	Oakman	Joy	Tireman
Sewer	Construction	Repair	DWS-908	Oldtown Linville to Harper	4	499	Oldtown	Linville	Harper
Sewer	Construction	Repair	DWS-908	Oldtown Chandler Park to Southampton	4	378	Oldtown	Chandler Park	Southampton
Water	Construction	Replace	WS-712	Oldtown St Chandler Park Dr southeast to Southampton St	4	574	Oldtown St	Chandler Park Dr southeast	Southampton St
Sewer	Construction	Replace	DWS-908	Ontario Cadieux to Guilford	4	257	Ontario	Cadieux	Guilford
Sewer	Construction	Repair	DWS-908	Ontario Cadieux to Guilford	4	89	Ontario	Cadieux	Guilford
Water	Construction	Repair	WS-712	Opal Canyon St. to Mack Ave	4	703	Opal	Canyon St.	Mack Ave
Water	Procurement	Repair	CS-1909 DWSD	Orangelawn Burt to Westwood	7	4,002	Orangelawn	Burt	Westwood
Sewer	Construction	Repair	DWS-907	Outer Dr McNichols Rd to Grove St	1	159	Outer Dr	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Outer Dr Grand River Ave to Lancashier St	1	10	Outer Dr	Grand River Ave	Lancashier St
Sewer	Construction	Repair	DWS-907	Outer Dr Bretton Dr to Gainsborough Rd	1	33	Outer Dr	Bretton Dr	Gainsborough Rd
Sewer	Construction	Repair	DWS-907	Outer Dr Gainsborough Rd to Lancashire St	1	10	Outer Dr	Gainsborough Rd	Lancashire St
Sewer	Construction	Repair	DWS-907	Outer Dr Grove St to Verne Ave	1	70	Outer Dr	Grove St	Verne Ave
Water	Procurement	Replace	CS-1909 DWSD	Pallister Lodge Service Dr. to 3rd	4	587	Pallister	Lodge Service Dr.	3rd
Sewer	Procurement	Repair	DWS-916	Pallister Woodward to 2nd Ave	5	43	Pallister	Woodward	2nd Ave
Sewer	Procurement	Repair	DWS-916	Easement S. Pallister Woodward to John C Lodge FWY	5	1,728	Pallister	Woodward	John C Lodge FWY
Water	Design	Loop	WS-713	Newport dead end to Park	4	1,354	Park	Lenox	Newport
Water	Procurement	Lining	WS-715	Patton St Grand River Ave to Pilgrim	1	1,864	Patton St	Grand River Ave	Pilgrim
Water	Construction	Repair	WS-707	Pembroke James Couzens to Biltmore	4	4,743	Pembroke	James Couzens	Biltmore
Water	Procurement	Repair	CS-1909 DWSD	Penrod Eaton to Lyndon	1	850	Penrod	Eaton	Lyndon
Water	Procurement	Replace	WS-715	Pernod Eaton to Lyndon	1	765	Pernod	Eaton	Lyndon
Water	Design	Replace	WS-713	Philip Essex to Scripps	4	2,556	Philip	Essex	Scripps
Water	Procurement	Repair	CS-1909 DWSD	Pierson Belton to Tireman	7	674	Pierson	Belton	Tireman
Water	Procurement	Repair	CS-1909 DWSD	Pierson Santa Clara to McNichols	1	1,481	Pierson	Santa Clara	McNichols
Water	Procurement	Replace	WS-715	Pierson St Grand River Ave to Pilgrim	1	1,571	Pierson St	Grand River Ave	Pilgrim
Water	Procurement	Repair	CS-1909 DWSD	Pinehurst Joy to Tireman	7	2,664	Pinehurst	Joy	Tireman
Sewer	Procurement	Repair	DWS-916	Pingree 2nd Ave to 2nd Ave	5	3	Pingree	2nd Ave	2nd Ave
Sewer	Procurement	Repair	DWS-916	Pingree Woodward Easement W. of Woodward	5	255	Pingree	Woodward	Easement W. of Woodward
Water	Design	Replace	WS-713	Piper Scripps to Averhill (to new valve)	4	1,894	Piper	Scripps	Averhill
Water	Design	Lining	WS-713	Piper dead end to Scripps (added new valve)	4	409	Piper	Scripps	Dead End South
Sewer	Construction	Repair	DWS-907	Plainview Ave Florence St to Florence St	1	32	Plainview Ave	Florence St	Florence St
Sewer	Construction	Repair	DWS-907	Plainview Ave Verne Ave to Florence St	1	10	Plainview Ave	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Plainview Ave Grove St to Verne Ave	1	625	Plainview Ave	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Plainview Ave McNichols Rd to McNichols Rd	1	30	Plainview Ave	McNichols Rd	McNichols Rd
Sewer	Construction	Repair	DWS-907	Plainview Ave Grove St to Grove St	1	29	Plainview Ave	Grove St	Grove St
Sewer	Construction	Repair	DWS-907	Plainview Ave Verne Ave to Verne Ave	1	56	Plainview Ave	Verne Ave	Verne Ave
Sewer	Construction	Repair	DWS-907	Planview Ave Florence St to Verne St	1	544	Planview Ave	Florence St	Verne St
Water	Procurement	Repair	CS-1909 DWSD	Plymouth Redford City Limit to Evergreen	7	8,184	Plymouth	Redford City Limit	Evergreen
Water	Procurement	Repair	CS-1909 DWSD	Plymouth Schaefer to Wyoming	7	5,304	Plymouth	Schaefer	Wyoming
Water	Procurement	Repair	CS-1909 DWSD	Prevost Midland to Pilgrim	1	563	Prevost	Midland	Pilgrim
Water	Procurement	Replace	WS-715	Puritan Beaverland to Chatham	1	542	Puritan	Beaverland	Chatham
Water	Construction	Replace	DWS-907	Puritan Ave Glastonbury Ave east to Rosemont Ave	1	385	Puritan Ave	Glastonbury Ave East	Rosemont Ave
Sewer	Construction	Repair	DWS-907	Puritan Ave Glastonbury Ave to Rosemont Ave	1	385	Puritan Ave	Glastonbury Ave	Rosemont Ave
Sewer	Construction	Repair	DWS-907	Puritan Ave Rosemont Ave to Ashton Rd	1	168	Puritan Ave	Rosemont Ave	Ashton Rd
Water	Procurement	Replace	WS-715	Puritan St Blackstone to Burt Rd	1	533	Puritan St	Blackstone	Burt Rd
Water	Construction	Replace	WS-712	Radnor St Chester St southeast to Chandler Park Dr	4	2,598	Radnor	Chester St southeast	Chandler Park Dr
Water	Construction	Replace	WS-712	Radnor Warren Ave to Frankfort St.	4	668	Radnor	Warren Ave	Frankfort St.
Sewer	Construction	Repair	DWS-908	Radnor Southampton to Warren	4	1,560	Radnor	Southampton	Warren
Sewer	Construction	Repair	DWS-908	Radnor Warren to Mack	4	1,050	Radnor	Warren	Mack
Water	Construction	Replace	WS-712	Radnor St Frankfort St southeast to Mack Ave	4	1,643	Radnor St	Frankfort St southeast	Mack Ave
Water	Construction	Replace	WS-712	Radnor St Frankfort St southeast to Mack Ave	4	54	Radnor St	Frankfort St southeast	Mack Ave
Water	Construction	Repair	WS-712	Radnor St Chandler Park Dr to Southampton St	4	1,266	Radnor St	Chandler Park Dr	Southampton St
Water	Procurement	Replace	WS-715	Ridge Rd Riverdale to Florence	1	1,146	Ridge Rd	Riverdale	Florence
Water	Construction	Repair	WS-706	Robson Ave. Curtis Ave. to W. Seven Mile	1	2,590	Robson Ave.	Curtis Ave.	W. Seven Mile
Water	Construction	Repair	WS-712	Rolandale St. Moross Rd. to Kingsville St.	4	540	Rolandale	Moross Rd.	Kingsville St.
Water	Construction	Replace	WS-712	Rolandale St. Hillcrest St to Moross Rd	4	265	Rolandale	Hillcrest St	Moross Rd
Water	Procurement	Repair	CS-1909 DWSD	Rosemont Van Buren to Constance	7	611	Rosemont	Van Buren	Constance
Water	Procurement	Repair	CS-1909 DWSD	Rosemont Schoolcraft to Dead End	1	1,373	Rosemont	Schoolcraft	Dead End
Water	Procurement	Repair	CS-1909 DWSD	Rosemont Curtis to Margareta	1	1,569	Rosemont	Curtis	Margareta
Water	Procurement	Repair	CS-1909 DWSD	Rosemont Fargo to Hessel	1	1,348	Rosemont	Fargo	Hessel

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Water	Construction	Replace	DWS-907	Rosemont Ave Midland St north to Puritan Ave	1	3,031	Rosemont Ave	Midland St north	Puritan Ave
Sewer	Construction	Repair	DWS-907	Rosemont Ave Verne Ave to Florence St	1	652	Rosemont Ave	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Rosemont Ave Pilgrim St to Puritan Ave	1	880	Rosemont Ave	Pilgrim St	Puritan Ave
Sewer	Construction	Replace	DWS-907	Rosemont Ave Florence St to Puritan Ave	1	620	Rosemont Ave	Florence St	Puritan Ave
Sewer	Construction	Repair	DWS-907	Rosemont Ave Midland St to Bretton Dr	1	200	Rosemont Ave	Midland St	Bretton Dr
Water	Procurement	Repair	CS-1909 DWSD	Rutherford Keeler to Puritan	1	2,002	Rutherford	Keeler	Puritan
Sewer	Construction	Repair	DWS-907	Scardale St Glastonbury Ave to Glastonbury Ave	1	7	Scardale St	Glastonbury Ave	Glastonbury Ave
Sewer	Construction	Repair	DWS-907	Scarsdale St Avon Rd to Glastonbury Ave	1	419	Scarsdale St	Avon Rd	Glastonbury Ave
Water	Procurement	Repair	CS-1909 DWSD	Schaefer Joy Road to Tireman	7	1,348	Schaefer	Joy Road	Tireman
Water	Procurement	Repair	CS-1909 DWSD	Schaefer NB/SB W. Chicago to 830 feet south of Westfield	7	2,676	Schaefer NB/SB	W. Chicago	830 feet south of Westfield
Sewer	Construction	Repair	DWS-908	School Lot Frankfort to Cadieux	4	583	School Lot	Frankfort	Cadieux
Sewer	Construction	Repair	DWS-908	School lot (Tennis courts) Guilford to Access Road	4	375	School lot (Tennis courts)	Guilford	Access Road
Water	Design	Repair	WS-710	Schoolcraft Asbury Park to Greenfield	7	2,597	Schoolcraft	Asbury Park	Greenfield
Water	Design	Repair	WS-710	Schoolcraft Greenfield to Grand River	7	3,324	Schoolcraft	Greenfield	Grand River
Water	Procurement	Repair	CS-1909 DWSD	Schoolcraft Asbury Park to Mettetal	1	335	Schoolcraft	Asbury Park	Mettetal
Water	Design	Replace	WS-713	Scripps Ashland to Lakewood	4	1,742	Scripps	Ashland	Lakewood
Water	Design	Lining	WS-713	Scripps Lakewood to Lenox	4	1,686	Scripps	Lakewood	Lenox
Water	Procurement	Repair	CS-1909 DWSD	Seven Mile John R. to Dequindre	2	5,262	Seven Mile	John R.	Dequindre
Water	Procurement	Repair	CS-1909 DWSD	Seven Mile Dequindre to Ryan	3	5,335	Seven Mile	Dequindre	Ryan
Water	Procurement	Repair	CS-1909 DWSD	Seven Mile Ryan to Mound	3	5,242	Seven Mile	Ryan	Mound
Water	Procurement	Repair	CS-1909 DWSD	Seven Mile Mound to Van Dyke	3	5,242	Seven Mile	Mound	Van Dyke
Sewer	Procurement	Repair	DWS-916	Seward Woodward to Woodward	5	3	Seward	Woodward	Woodward
Water	Procurement	Replace	WS-718	Seward St 2nd Ave to 3rd St	5	978	Seward St	2nd Ave	3rd St
Sewer	Construction	Repair	DWS-907	Shaftsbury Ave Grove St to Verne Ave	1	20	Shaftsbury Ave	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Shaftsbury Ave McNichols Rd to Grove St	1	521	Shaftsbury Ave	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-908	Sioux Guilford to Cadieux	4	52	sioux	Guilford	Cadieux
Sewer	Construction	Replace	DWS-908	Sioux Guilford to Cadieux	4	639	sioux	Guilford	Cadieux
Water	Construction	Replace	WS-712	Sioux St Cadieux Rd northeast to Guilford St	4	639	Sioux St	Cadieux Rd northeast	Guilford St
Water	Procurement	Repair	CS-1909 DWSD	Sorrento Joy to Tireman	7	2,719	Sorrento	Joy	Tireman
Water	Construction	Replace	WS-712	Southampton St Oldtown St northeast to Bluehill St	4	273	Southampton	Oldtown St NorthEast	Bluehill St
Water	Procurement	Replace	WS-715	Southfield FWY Grand River Ave to Lyndon St	1	2,558	Southfield FWY	Grand River Ave	Lyndon St
Sewer	Construction	Repair	DWS-907	Southfield FWY Verne Ave to Florence St	1	639	Southfield FWY	Verne Ave	Florence St
Sewer	Construction	Repair	DWS-907	Southfield FWY McNichols Rd to Grove St	1	10	Southfield FWY	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Southfield FWY Puritan Ave to Pilgrim St	1	1,226	Southfield FWY	Puritan Ave	Pilgrim St
Sewer	Construction	Repair	DWS-907	Southfield FWY Florence St to Florence St	1	12	Southfield FWY	Florence St	Florence St
Water	Procurement	Repair	CS-1909 DWSD	Southfield Svc Drive North Fenkell to Puritan	1	649	Southfield Svc Drive North	Fenkell	Puritan
Water	Procurement	Repair	CS-1909 DWSD	Southfield Svc Drive North Schoolcraft to Grand River	7	5,067	Southfield Svc Drive North	Schoolcraft	Grand River
Water	Design	Replace	WS-716	St Antoine St Wilkens to Winder	5	1,068	St Antoine St	Wilkens	Winder
Sewer	Construction	Repair	DWS-907	Stahelin Ave Verne Ave to McNichols Rd	1	311	Stahelin Ave	Verne Ave	McNichols Rd
Water	Construction	Repair	WS-706	Stansbury Ave. Outer Drive to Curtis	1	1,207	Stansbury Ave.	Outer Drive	Curtis
Water	Procurement	Repair	CS-1909 DWSD	Steel Joy to Mackenzie	7	891	Steel	Joy	Mackenzie
Sewer	Construction	Repair	DWS-907	Sunderland Rd Florence St to Puritan Ave	1	684	Sunderland Rd	Florence St	Puritan Ave
Sewer	Construction	Repair	DWS-907	Sunderland Rd Florence St to Puritan Ave	1	687	Sunderland Rd	Florence St	Puritan Ave
Water	Procurement	Repair	CS-1909 DWSD	Sylvan McKinley to Vinewood	6	466	Sylvan	McKinley	Vinewood
Sewer	Procurement	Repair	DWS-916	Taylor 2nd Ave to 3rd Ave	5	14	Taylor	2nd Ave	3rd Ave
Water	Procurement	Repair	CS-1909 DWSD	Theisen Mendota Joy to Tireman	7	2,639	Theisen Mendota	Joy	Tireman
Water	Construction	Repair	WS-706	Tireman Greenfield to Hubbell	7	2,631	Tireman	Greenfield	Hubbell
Water	Construction	Repair	WS-712	University Place Munich Ave. to Mack Ave.	4	1,464	University	Munich Ave.	Mack Ave.
Sewer	Construction	Repair	DWS-908	University Chandler Park to Southampton	4	208	University	Chandler Park	Southampton
Water	Procurement	Repair	CS-1909 DWSD	Vaughan Belton to Constance	7	652	Vaughan	Belton	Constance
Water	Procurement	Repair	CS-1909 DWSD	Vaughn Sawyer to Tireman	7	1,288	Vaughn	Sawyer	Tireman
Water	Procurement	Replace	WS-715	Verne Dolphin to Lahser	1	550	Verne	Dolphin	Lahser
Sewer	Construction	Repair	DWS-907	Verne Ave Huntington Rd to Outer Dr	1	54	Verne Ave	Huntington Rd	Outer Dr
Sewer	Construction	Repair	DWS-907	Verne Ave Glastonbury Rd to Glastonbury Rd	1	18	Verne Ave	Glastonbury Rd	Glastonbury Rd
Sewer	Construction	Repair	DWS-907	Verne Ave Plainview Ave to Westmoreland Rd	1	370	Verne Ave	Plainview Ave	Westmoreland Rd
Sewer	Construction	Repair	DWS-907	Verne Ave Westmoreland Rd to Edinborough Rd	1	522	Verne Ave	Westmoreland Rd	Edinborough Rd
Sewer	Construction	Repair	DWS-907	Verne Ave Evergreen Rd to Plainview Ave	1	20	Verne Ave	Evergreen Rd	Plainview Ave
Sewer	Construction	Repair	DWS-907	Verne Ave Shaftsbury Ave to Sunderland Rd	1	380	Verne Ave	Shaftsbury Ave	Sunderland Rd
Sewer	Construction	Repair	DWS-907	Verne Ave Outer Dr to Shaftsbury Ave	1	529	Verne Ave	Outer Dr	Shaftsbury Ave
Water	Procurement	Replace	WS-718	Virginia Park St Woodward Ave to John Lodge Fwy	5	2,473	Virginia Park St	Woodward Ave	John Lodge Fwy
Water	Procurement	Replace	WS-718	Virginia Park St Woodward Ave to John Lodge Fwy	5	2,516	Virginia Park St	Woodward Ave	John Lodge Fwy

Type	Phase	Activity	Project ID	Location	Districts	Length	Street	Street From	Street To
Water	Procurement	Repair	CS-1909 DWSD	Virginia Park St.(S) John C Lodge to 3rd Street	5	649	Virginia Park St.(S)	John C Lodge	3rd Street
Water	Procurement	Repair	CS-1909 DWSD	W. Chicago Stout to Evergreen	7	1,018	W. Chicago	Stout	Evergreen
Water	Procurement	Repair	CS-1909 DWSD	W. Parkway Tireman to Sawyer	7	962	W. Parkway	Tireman	Sawyer
Water	Procurement	Repair	CS-1909 DWSD	Ward Joy to Tireman	7	2,704	Ward	Joy	Tireman
Water	Construction	Repair	WS-706	Warren Parkland to Heyden	7	4,335	Warren	Parkland	Heyden
Water	Design	Repair	WS-710	Warren Evergreen to Southfield	7	684	Warren	Evergreen	Southfield
Water	Design	Repair	WS-710	Warren Heyden to Evergreen	7	5,074	Warren	Heyden	Evergreen
Sewer	Construction	Repair	DWS-908	Warren Guilford to Cadieux	4	786	Warren	Guilford	Cadieux
Sewer	Construction	Replace	DWS-908	Warren Guilford to Cadieux	4	782	Warren	Guilford	Cadieux
Water	Construction	Repair	WS-712	Warren Ave Cadieux Ave to Guilford St	4	786	Warren Ave	Cadieux Ave	Guilford St
Water	Construction	Repair	WS-712	Warren Ave (north) Guilford St northeast to Woodhall St	4	296	Warren Ave	Guilford St northeast	Woodhall St
Water	Construction	Replace	WS-712	Warren Ave (north) Farmbrook St northeast to Canyon St	4	1,325	Warren Ave (north)	Farmbrook St northeast	Canyon St
Water	Construction	Repair	WS-712	Warren Ave (south) Farmbrook St northeast to Canyon St	4	1,307	Warren Ave (south)	Farmbrook St northeast	Canyon St
Water	Construction	Replace	WS-712	Warren Ave. Cadieux Rd. to Guilford St.	4	782	Warren Ave.	Cadieux Rd.	Guilford St.
Sewer	Construction	Replace	DWS-907	Warwick St Bretton Dr to Gainsborough Rd	1	392	Warwick St	Bretton Dr	Gainsborough Rd
Sewer	Construction	Repair	DWS-907	Warwick St Puritan Ave to Bretton Dr	1	10	Warwick St	Puritan Ave	Bretton Dr
Sewer	Construction	Replace	DWS-907	Warwick St McNichols Rd to Grove St	1	610	Warwick St	McNichols Rd	Grove St
Sewer	Construction	Repair	DWS-907	Warwick St Grove St to Verne Ave	1	674	Warwick St	Grove St	Verne Ave
Water	Construction	Replace	DWS-907	Warwick St Florence St north to McNichols Rd	1	3,648	Warwick St fr	Florence St north	McNichols Rd
Sewer	Procurement	Repair	DWS-916	Watson Chrysler to Beaubien	5	81	Watson	Chrysler	Beaubien
Water	Construction	Replace	WS-712	Waveney St Cadieux Rd northeast to Guilford St	4	663	Waveney St	Cadieux Rd northeast	Guilford St
Water	Design	Repair	WS-710	West Chicago City Limits to Brammel	7	848	West Chicago	City Limits	Brammel
Water	Procurement	Repair	CS-1909 DWSD	West Chicago West Outer Drive to Hazelton/City Limits	7	1,613	West Chicago	West Outer Drive	Hazelton/City Limits
Water	Procurement	Repair	CS-1909 DWSD	West Grand Blvd Magnolia to McGraw	6	5,195	West Grand Blvd	Magnolia	McGraw
Water	Procurement	Repair	CS-1909 DWSD	West Grand Blvd McGraw to Linwood	6	6,265	West Grand Blvd	McGraw	Linwood
Water	Procurement	Repair	CS-1909 DWSD	West Grand Blvd W. Jefferson Ave. to Vernor	6	4,307	West Grand Blvd	W. Jefferson Ave.	Vernor
Water	Procurement	Repair	CS-1909 DWSD	West Grand Blvd Vernor to Magnolia	6	6,289	West Grand Blvd	Vernor	Magnolia
Water	Procurement	Repair	CS-1909 DWSD	West Grand Blvd Linwood to Lodge Frwy	5	5,484	West Grand Blvd	Linwood	Lodge Frwy
Water	Procurement	Repair	CS-1909 DWSD	West Outer Dr. Fenkell to Evergreen	1	2,121	West Outer Dr.	Fenkell	Evergreen
Water	Design	Repair	WS-710	West Outer Drive Joy Road to Warren	7	6,936	West Outer Drive	Joy Road	Warren
Water	Design	Repair	WS-711	West Parkway Tireman to Plymouth	7	8,265	West Parkway	Tireman	Plymouth
Water	Procurement	Lining	WS-715	Westbrook St Verne to Puritan	1	1,285	Westbrook St	Verne	Puritan
Sewer	Construction	Repair	DWS-907	Westmoreland Rd Grove St to Verne Ave	1	631	Westmoreland Rd	Grove St	Verne Ave
Sewer	Construction	Repair	DWS-907	Westmoreland Rd Florence St to Florence St	1	10	Westmoreland Rd	Florence St	Florence St
Sewer	Construction	Replace	DWS-907	Westmoreland Rd Grove St to Grove St	1	24	Westmoreland Rd	Grove St	Grove St
Sewer	Construction	Repair	DWS-907	Westmoreland Rd Grove St to McNichols Rd	1	316	Westmoreland Rd	Grove St	McNichols Rd
Sewer	Construction	Repair	DWS-907	Westmoreland Rd Verne Ave to Verne Ave	1	61	Westmoreland Rd	Verne Ave	Verne Ave
Water	Procurement	Repair	CS-1909 DWSD	Westwood Elmira to Chicago	7	1,779	Westwood	Elmira	Chicago
Water	Design	Replace	WS-716	Wheeler Rec Center Chrysler to St Antoine	5	720	Wheeler Rec Center	Chrysler	St Antoine
Water	Design	Replace	WS-716	Wheeler Rec Center Chrysler to Beaubien	5	1,172	Wheeler Rec Center	Chrysler	Beaubien
Water	Construction	Repair	WS-707	Whitcomb Pembroke to Vassar	2	1,256	Whitcomb	Pembroke	Vassar
Water	Procurement	Repair	CS-1909 DWSD	Wilkins Beaubien to St. Antoine	6	509	Wilkins	Beaubien	St. Antoine
Water	Procurement	Repair	CS-1909 DWSD	Wilkins St. Antoine to Chrysler Drive	5	757	Wilkins	St. Antoine	Chrysler Drive
Sewer	Procurement	Repair	DWS-916	Wilkins St Antoine to Brush	5	373	Wilkins	Antoine	Brush
Water	Design	Replace	WS-716	Wilkins St Chrysler to Brush	5	1,504	Wilkins St	Chrysler	Brush
Water	Procurement	Repair	CS-1909 DWSD	Winder Beaubien to Chrysler Svc Drive	6	1,180	Winder	Beaubien	Chrysler Svc Drive
Sewer	Procurement	Repair	DWS-916	Winder St Antoine Brush	5	463	Winder	St Antoine	Brush
Water	Design	Replace	WS-716	Winder St Beaubien to St Antoine	5	781	Winder St	Beaubien	St Antoine
Sewer	Construction	Repair	DWS-908	Woodhall Harper to Minvera	4	44	Woodhall	Harper	Minvera
Sewer	Construction	Repair	DWS-908	Woodhall Linville to School Lot	4	311	Woodhall	Linville	School Lot
Sewer	Construction	Repair	DWS-908	Woodhall Munich to Waveney	4	601	Woodhall	Munich	Waveney
Sewer	Construction	Repair	DWS-908	Woodhall Bremen to Mack	4	264	Woodhall	Bremen	Mack
Sewer	Construction	Repair	DWS-908	Woodhall Berden to Linville	4	10	Woodhall	Berden	Linville
Sewer	Construction	Repair	DWS-908	Woodhall Chandler Park to Southampton	4	338	Woodhall	Chandler Park	Southampton
Sewer	Construction	Replace	DWS-908	Woodhall Cornwall to Munich	4	312	Woodhall	Cornwall	Munich
Sewer	Construction	Repair	DWS-908	Woodhall Cornwall to Munich	4	300	Woodhall	Cornwall	Munich
Sewer	Construction	Repair	DWS-908	Woodhall Warren to Cornwall	4	310	Woodhall	Warren	Cornwall
Sewer	Construction	Replace	DWS-908	Woodhall Warren to Cornwall	4	316	Woodhall	Warren	Cornwall
Water	Construction	Replace	WS-712	Woodhall St Chandler Park Dr southeast to Southampton St	4	656	Woodhall St	Chandler Park Dr southeast	Southampton St
Water	Procurement	Repair	CS-1909 DWSD	Woodmont Fullerton to Schoolcraft	1	2,554	Woodmont	Fullerton	Schoolcraft

Thank You



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Detroit Water and Sewerage Department Certified Copy

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Resolution, BOWC: 20-0131

File Number: 20-0131

The Board of Water Commissioners for the City of Detroit Water and Sewerage Department authorizes the Director to **approve the accompanying Water Supply System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the FY2021 Capital Budget,** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

Agenda of May 20, 2020

Item No. 20-0131

5-Year Capital Improvement Program (CIP) Water Supply System

Amount: \$243,300,014

FY2021 Capital Budget Water Supply System

Amount: \$86,079,855

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Water and Sewerage Department

RE: **Authorization to Approve the May 6, 2020 Water Supply System (WSS) Capital Improvement Program (CIP) and 2021 Capital Budget**
Authorization to Adopt the FY 2020-21 capital budget for Water and Sewerage Disposal System

MOTION

Upon recommendation of Thomas Naughton, Chief Financial Officer, the Board of Water Commissioners **authorizes the Director to approve the accompanying Water Supply System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Pursuant to the lease agreement executed to establish the Great Lakes Water Authority (GLWA), the Detroit Water and Sewerage Department (DWSD) is required to develop a five year capital improvement program for the local water system assets. The capital improvement needs for the period 2021-2025 have

been internally reviewed, approved, categorized, inventoried, and assembled into a five year program and prioritized, and presented to the CIP Committee of the BOWC on February 7, 2020, and then to the Finance Committee on May 6, 2020.

The CIP document focuses on replacement and rehabilitation of the local water system assets to provide reliable and efficient service. The plan details a five year capital improvement plan to meet the improvement and financing needs of the water supply system

The first year of this plan will serve as the approved capital budget.

JUSTIFICATION

The BOWC is required each year to adopt a Five Year Capital Improvement plan for the Water Supply System. The Board of Water Commissioners shall adopt the total five year capital plan of \$243,300,014 for water supply system improvements.

BOWC is requested to adopt a fiscal year 2020-21 capital budget of \$86,079,855 for the water supply system improvements.

I, Marian King-Bell, certify that this is a true copy of Resolution, BOWC No. 20-0131, passed by the Board of Water Commissioners on 5/20/2020.

Attest: Marian King Bell

 5/21/2020
Date Certified



Detroit Water and Sewerage Department Certified Copy

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Resolution, BOWC: 20-0130

File Number: 20-0130

The Board of Water Commissioners for the City of Detroit Water and Sewerage Department authorizes the Director to **approve the accompanying Sewer Disposal System (SDS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

Agenda of May 20, 2020

Item No. 20-0130

5-Year Capital Improvement Program (CIP) Sewer Disposal System

Amount: \$198,498,833

FY2021 Capital Budget Sewer Disposal System

Amount: \$59,911,923

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Detroit Water and Sewerage Department

**RE: Authorization to Approve the May 6, 2020 Sewer Disposal System (SDS) Capital Improvement Program (CIP) and 2021 Capital Budget
Authorization to Adopt the FY 2020-21 capital budget for Water and Sewerage Sewer Disposal System**

MOTION

Upon recommendation of Thomas Naughton, Chief Financial Officer, the Board of Water Commissioners for the City of Detroit Water and Sewerage Department **authorizes the Director to approve the accompanying Sewer Disposal System (WSS) Capital Improvement Program for Fiscal Years 2021 through 2025; authorize the Director to approve the FY2021 Capital Budget** and also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

Pursuant to the lease agreement executed to establish the Great Lakes Water Authority (GLWA), the Detroit Water and Sewerage Department (DWSD) is required to develop a five year capital improvement program for the local sewer system assets. The capital improvement needs for the period 2021-2025 have

been internally reviewed, approved, categorized, inventoried, and assembled into a five year program and prioritized, and presented to the CIP Committee of the BOWC on February 7, 2020 and then to the Finance Committee on May 6, 2020.

The CIP document focuses on replacement, lining and rehabilitation of the local sewer system assets to provide reliable and efficient service. The plan details a five year capital improvement plan to meet the improvement and financing needs of the Sewer Disposal System

The first year of this plan will serve as the approved capital budget.

JUSTIFICATION

The BOWC is required each year to adopt a Five Year Capital Improvement plan for the Sewer Disposal System. The Board of Water Commissioners shall adopt the total five year capital plan of \$198,498,833 for Sewer Disposal System improvements.

BOWC is requested to adopt a fiscal year 2020-21 capital budget of \$59,911,923 for the Sewer Disposal system improvements.

I, Marian King-Bell, certify that this is a true copy of Resolution, BOWC No. 20-0130, passed by the Board of Water Commissioners on 5/20/2020.

Attest: Marian King-Bell

5/21/2020
Date Certified