



FY 2020 Proposed Capital Improvement Program

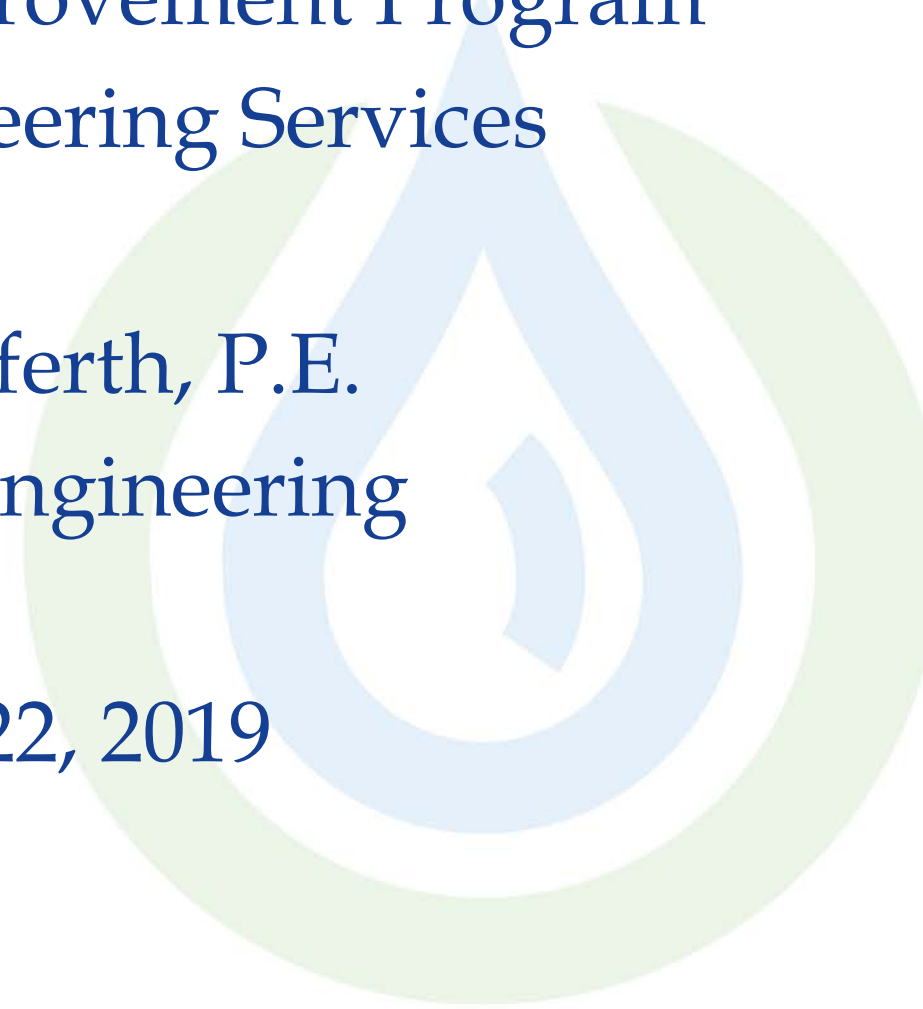


Metropolitan St. Louis Sewer District

FY 2020 Capital Improvement Program Proposed Engineering Services

Rich Unverferth, P.E.
Director of Engineering

January 22, 2019



Today's Agenda

- 🔹 Introductions
 - 🔹 Proposed Program – Procurements Completed
 - 🔹 Proposed Program – Procurements Needed
 - 🔹 Consultant Selection Process
 - 🔹 RFQ/RFP Schedule & Project Details
 - 🔹 Executive Director's Update
 - 🔹 Questions and Closing
- 

Proposed FY 2020 Program

Engineering Projects – Procurements Completed

Project	Consultant	Budget
WATERSHED CONSULTANT - LOWER & MIDDLE RDP CSO CONTROLS (11109)	Jacobs Engineering Group, Inc.	\$ 1.99 M
WATERSHED CONSULTANT - DEER CREEK SANITARY PROGRAM (11110)	Parsons Water & Infrastructure, Inc.	\$ 2.50 M
WATERSHED CONSULTANT - BISSELL COLDWATER MISSOURI MERAMEC PROGRAM (11144)	AMEC Foster Wheeler Environment & Infrastructure Inc.	\$ 4.70 M
WATERSHED CONSULTANT - LEMAY SANITARY PROGRAM (11145)	Burns & McDonnell Engineering Co., Inc.	\$ 3.71 M
WATERSHED CONSULTANT - RDP TRIBUTARIES (DEER CREEK) CONTROLS SYSTEM IMPROVEMENTS (11153)	HDR Engineering, Inc.	\$ 5.83 M
WATERSHED CONSULTANT - CONSTRUCTION MANAGEMENT - TANKS/TREATMENTS/PUMP STATION FACILITIES (11151)	Kennedy Associates/ Architects, Inc.	\$10.40 M
WATERSHED CONSULTANT - CONSTRUCTION MANAGEMENT - RDP TUNNELS (11152)	Shannon & Wilson Inc.	\$ 1.80 M
WATERSHED CONSULTANT - CONSTRUCTION MANAGEMENT - LOWER MERAMEC AND DEER CREEK TUNNELS (11826)	Black & Veatch Corporation	\$ 4.40 M
WATERSHED CONSULTANTS	8	\$ 35.33 M

Proposed FY 2020 Program

Engineering Projects – Procurements Completed

Project	Consultant	Budget
BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Black & Veatch Corporation	\$ 6.00 M
CAULKS CREEK FORCEMAIN (RIVER VALLEY RD TO L-52)	CDM Smith, Inc.	\$ 0.80 M
GRAND GLAIZE WWTF FLOODWALL PROTECTION	Reitz & Jens Inc.	\$ 0.20 M
LINDEN #1064 STORM SEWER	Heideman & Associates, Inc.	\$ 0.03 M
LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS	Crawford Murphy & Tilly Inc.	\$ 0.17 M
LOWER MERAMEC WWTF EXPANSION PHASE II	HDR Engineering, Inc.	\$ 4.00 M
Totals	6	\$ 11.20 M

Proposed FY 2020 Program

Engineering Projects – Procurements Completed

Project	Consultant	Budget
MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION	Black & Veatch Corporation	\$ 1.20 M
PUMP STATION REPAIR AND IMPROVEMENT DESIGN (CONTRACT A)	Horner & Shifrin, Inc.	\$ 0.05 M
STORMWATER STREAMBANK STABILIZATION DESIGN (CONTRACT A)	Access Engineering, LLC	\$ 0.50 M
Totals	3	\$ 1.75 M

Proposed FY 2020 Program

General Services – Procurements Completed

Project	Consultant	Budget
GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2019)	EFK Moen, LLC	\$ 0.20 M
GENERAL SERVICES AGREEMENT - LANDSCAPE DESIGN (2019)	DTLS Inc.	\$ 0.25 M
GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2019)	Kennedy Associates/ Architects, Inc.	\$ 1.90 M
Totals	3	\$ 2.35 M

Proposed FY 2020 Program

Other Projects – Procurements Completed

Project	Vendors	Budget
FLOW METERING AND MONITORING (2017)	ADS Environmental Services	\$ 2.50 M
STREAM FLOW GAUGE OPERATION	U.S. Geological Survey	\$ 0.62 M
Totals	2	\$ 3.12 M

Proposed FY 2020 Program

Other Projects – Procurements Needed

Project	Vendors	Budget
CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	TBD	\$ 2.50 M
CRITICAL INFRASTRUCTURE ASSESSMENT (2020)	TBD	\$ 1.70 M
RADAR RAINFALL DATA (2020)	TBD	\$ 0.15 M
STREAM FLOW WATER QUALITY SAMPLING (2020)	TBD	\$ 0.30 M
Totals	4	\$ 4.65 M

Proposed FY 2020 Program

Engineering Projects – Procurements Needed

Project Name	Budget
BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	800,000
LOUISA AND ARSENAL PUMP STATIONS (P-112 AND P-113) UPGRADES	500,000
LOWER MERAMEC WWTF EXPANSION PHASE II (Construction Management)	400,000
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2020) CONTRACT A	550,000
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2020) CONTRACT B	200,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2020) CONTRACT A	85,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2020) CONTRACT B	85,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2020) CONTRACT C	85,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2020) CONTRACT A	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2020) CONTRACT B	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2020) CONTRACT C	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2020) CONTRACT D	50,000

Proposed FY 2020 Program

Engineering Projects – Procurements Needed, Cont.

Project Name	Budget
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2020) CONTRACT E	50,000
GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2020)	100,000
MAINTENANCE YARD VEHICLE STORAGE BUILDING (MINTERT)	250,000
The following projects are dependent on Stormwater Capital Rate approval:	
HALLSTEAD STORM CHANNEL PHASE IV (MCBJ-230)	2,507,000
STORMWATER INFRASTRUCTURE IMPROVEMENT DESIGN (CONTRACT D)	214,000
STORMWATER INFRASTRUCTURE IMPROVEMENT DESIGN (CONTRACT E)	265,000
STORMWATER STREAMBANK STABILIZATION DESIGN (CONTRACT D)	989,000
GENERAL SERVICES AGREEMENT - STORMWATER PLANNING (2020)	300,000
20	\$ 7,580,000

Consultant Selection Process

- ④ Pre-Qualification
- ④ RFQ/RFP Process
- ④ RFP Only Process
- ④ RFQ Shortlist Selection Criteria
- ④ RFP Selection Criteria
- ④ Selection Process Documents –
www.stlmsd.com/msd-work/consultant-selection
(under Links on bottom right)

Consultant Selection Process

Pre-Qualification

- 💧 Pre-Qual Packets were due on January 7, 2019.
- 💧 We are requiring pre-quals be submitted as a PDF to msdengpq@stlmsd.com.
- 💧 Questions – Sharon Holt at 314.768.6285
- 💧 The 2019 Questionnaire's process and Attachment A for the Conflict of Interest Policy have been revised.
- 💧 Previous year's performance evaluation will be included with the pre-qualification notification letter.

Consultant Selection Process

RFQ/RFP Process

- 🔹 Projects \$500,000 or greater, or special circumstances – RFQ/RFP
- 🔹 All consultants notified of RFQ and eligible
- 🔹 Shortlisting to 3 or more firms by RFQ
Shortlist Committee after Qualifications evaluation
- 🔹 Selection by separate RFP Selection Committee after Proposal evaluation
- 🔹 Interviews may be required

Consultant Selection Process

RFP Only Process

- ④ Projects less than \$500,000 – RFP
 - ④ Project Pairings
 - ④ Statement of Interest & Pre-Qualifications to aid in shortlisting
 - ④ Shortlisting to 3 or more firms by RFQ Shortlist Committee
 - ④ Selection by separate RFP Selection Committee after Proposal evaluation
- 
- A large, stylized water drop logo is positioned on the right side of the slide. It features a light blue drop shape with a white outline, set against a light green circular background. The logo is partially obscured by the text of the list items.

Consultant Selection Process

RFQ Shortlist Selection Criteria

- ④ Project Team and Key Members
- ④ Personnel Availability/Workload
- ④ Past Performance/Project Experience
- ④ Backlog
- ④ Diversity Multiplier



Consultant Selection Process

RFP Selection Criteria

- ④ Understanding of Project and Technical Approach
 - ④ Project Manager and Project Team
 - ④ Personnel Availability
 - ④ Project Design Schedule
 - ④ Related Project Experience/Past Performance
 - ④ Backlog
 - ④ Diversity Multiplier
- 

Consultant Selection Process

Workforce Diversity

- ④ Per current policy there are no subcontracting MWBE goals
- ④ Primes are required to subcontract a minimum of 25% of the project
- ④ Workforce Diversity goals on contracts over \$500,000 (for the Prime firm only)
- ④ Goal 18% Minority and 32% Women
- ④ Qualifications and Proposals receive additional credit through the use of Diversity Multipliers for MWBE Primes and meeting Workforce Diversity goals

Consultant Selection Process

Backlog Calculation

- 💧 Backlog calculation for every firm will be computed based on a combination of:
- 💧 Watershed Consultant Contracts – Open balance on contracts counted towards prime and subs based on their participation in the watershed consultant contract.
- 💧 Other Consultant Contracts – open balance on contracts counted towards prime only.

Consultant Selection Process

Backlog Scoring

- 💧 Backlog for proposals on projects \$500,000 and over will be computed by summing backlog for all the firms of the team proposing
- 💧 Backlog for proposals on projects less than \$500,000 will be computed by summing backlog for the prime only (not the team)

Proposed FY 2020 Program

RFQ/RFP Schedule

RFQ1/RFP1 – 5 projects totaling \$2.45 M

🔹 RFQ Issued: February 28

🔹 RFQ Due: March 26

🔹 RFP Issued: May 9

🔹 RFP Due: June 4

🔹 Selection: July 5



Proposed FY 2020 Program

RFQ/RFP Grouping

RFQ1/RFP1 – Project Details

- 💧 Bissell Point WWTF Trickling Filter Media Replacement, budgeted at \$800,000.
- 💧 Louisa and Arsenal Pump Station Upgrades, budgeted at \$500,000.
- 💧 Lower Meramec WWTF Expansion Phase II (Construction Management), budgeted at \$400,000.

Proposed FY 2020 Program

RFQ/RFP Grouping

RFQ1/RFP1 – Project Details

- 💧 General Services Agreement – Facility and Sewer Design Contract A, budgeted at \$550,000.
- 💧 General Services Agreement – Facility and Sewer Design Contract B, budgeted at \$200,000.

Proposed FY 2020 Program

RFQ/RFP Schedule

RFP2 – 9 projects totaling \$605,000

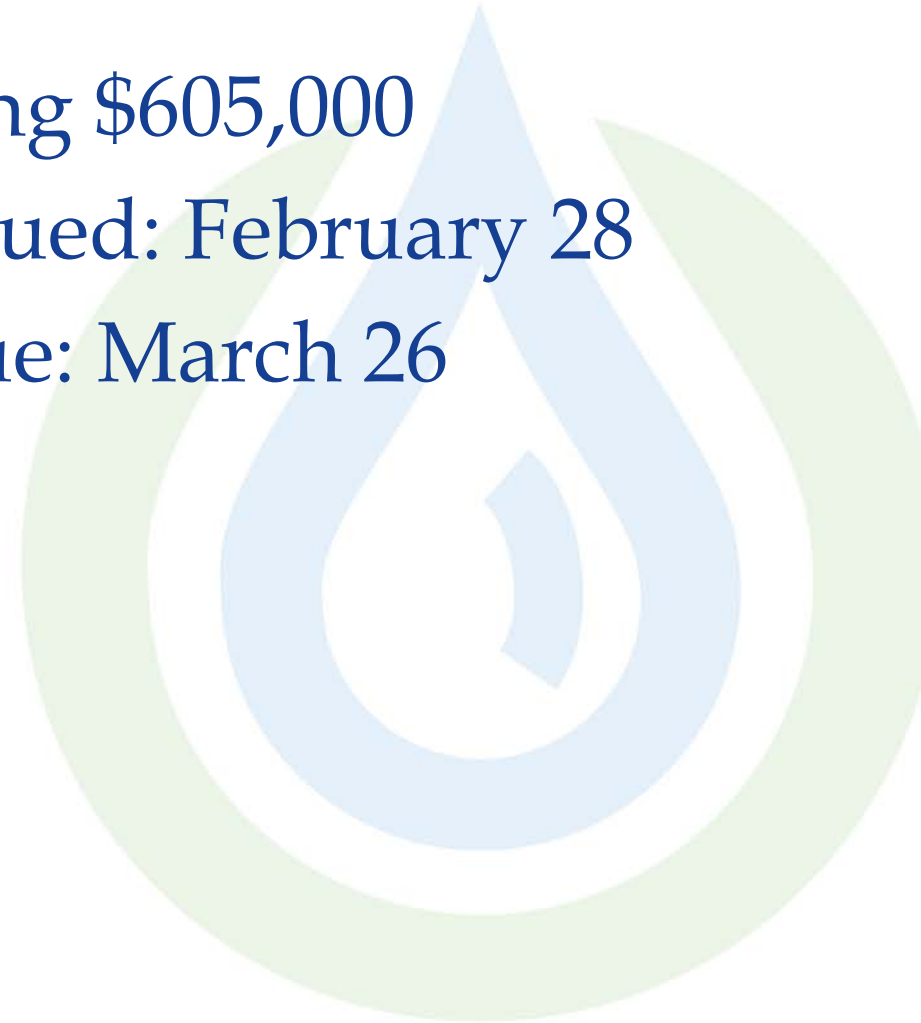
🔹 Interest Statement Issued: February 28

🔹 Interest Statement Due: March 26

🔹 RFP Issued: May 28

🔹 RFP Due: June 20

🔹 Selection: July 26



Proposed FY 2020 Program

RFQ/RFP Grouping

RFP2 - Project Details

- 🌿 General Services Agreement – Geotechnical, budgeted at \$255,000. 3 firms to be selected.
- 🌿 General Services Agreement – Survey, budgeted at \$250,000. 5 firms to be selected.
- 🌿 General Services Agreement – Water Quality Support, budgeted at \$100,000.

Proposed FY 2020 Program

RFQ/RFP Schedule

RFQ3/RFP3 – 6 projects totaling \$4,525,000

🔹 RFQ Issued: June 4

🔹 RFQ Due: June 26

🔹 RFP Issued: August 13

🔹 RFP Due: September 5

🔹 Selection: October 4



Proposed FY 2020 Program

RFQ/RFP Grouping

RFQ3/RFP3 – Project Details

- 🔹 Maintenance Yard Vehicle Storage Building (Mintert); budgeted at \$250,000 for the first year. Owner's Representative services for this anticipated design-build project to construct a vehicle storage building at the Mintert maintenance yard.

Proposed FY 2020 Program

RFQ/RFP Grouping – please note: the following projects are dependent on passage of the Stormwater Capital Rate in April

RFQ3/RFP3 – Project Details

- 💧 General Services Agreement – Stormwater Planning; budgeted at \$300,000 for the first year. Stormwater planning assistance to support District planning efforts.
- 💧 Hallstead Storm Channel Phase IV; budgeted at \$2,507,000. Bank stabilization and channel improvements.

Proposed FY 2020 Program

RFQ/RFP Grouping – please note: the following projects are dependent on passage of the Stormwater Capital Rate in April

RFQ3/RFP3 – Project Details

- 🌊 Stormwater Streambank Stabilization
Design (Contract D); budgeted at \$989,000 for the first year. Design channel improvement projects over two years.
- 🌊 Stormwater Infrastructure Improvements
Design (Contract D); budgeted at \$214,000 for the first year. Design storm sewer improvement projects over two years.

Proposed FY 2020 Program

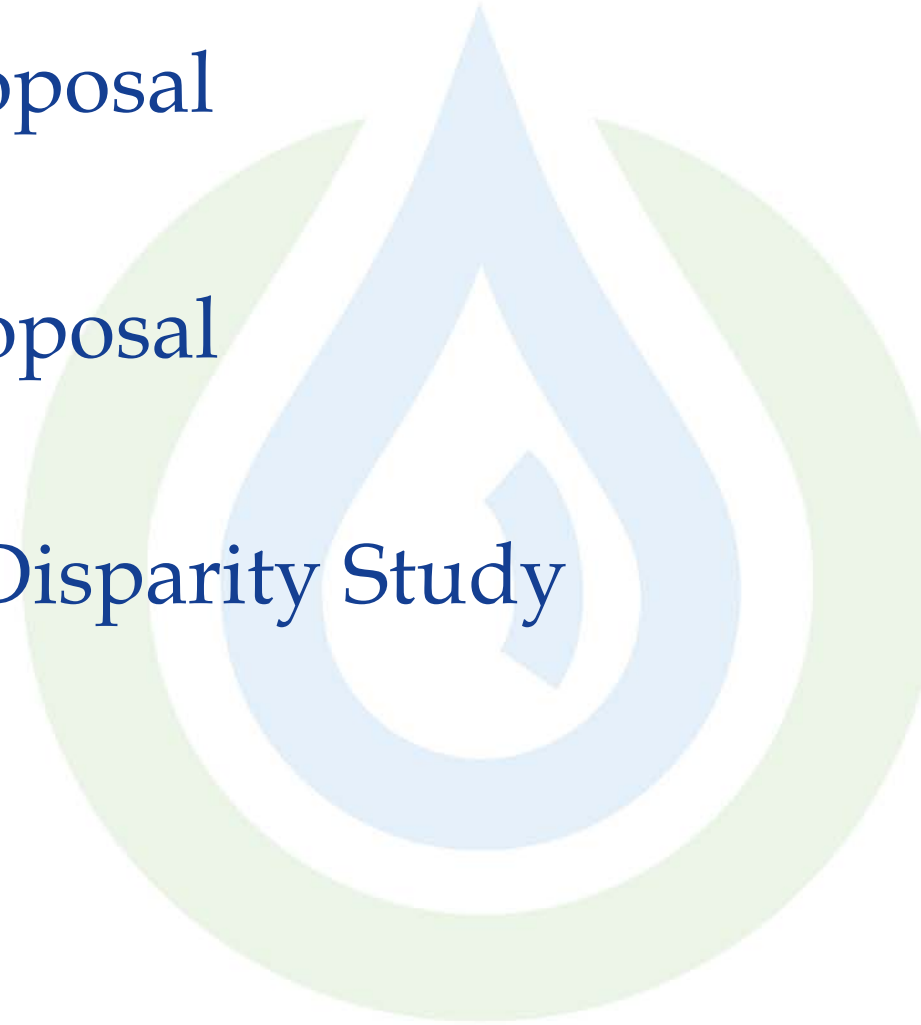
RFQ/RFP Grouping – please note: the following projects are dependent on passage of the Stormwater Capital Rate in April

RFQ3/RFP3 – Project Details

- 🌿 Stormwater Infrastructure Improvements Design (Contract E); budgeted at \$265,000 for the first year. Design storm sewer improvement projects over two years.

Executive Director's Update

- 💧 Stormwater Rate Proposal
- 💧 Wastewater Rate Proposal
- 💧 Diversity and New Disparity Study



Questions and Closing

💧 Questions and Answers

💧 www.stlmsd.com

💧 Thanks to MSPE, ACEC, and the
Engineers' Club of St. Louis

💧 Enjoy the Networking

