

# FY 2024 Capital Improvement Program - Proposed Engineering Services

Rich Unverferth, P.E.

Director of Engineering

January 17, 2023



wastewater + stormwater

## Today's Agenda

- Introductions
- Tech Overview and Ground Rules
- Proposed Program – Procurements Completed
- Proposed Program – Procurements Needed
- Revised MWBE Policy for FY24
- Consultant Selection Process
- RFQ/RFP Schedule & Project Details
- Executive Director's Update
- Questions and Closing

## Technology Overview

- Participants are in listen-and-view mode
- There are several ways to engage
  - Type your question using Q/A icon at the bottom of your screen at any time (even before the Q/A portion has begun)
  - Everyone can read all questions posed and you can “Upvote” questions you want answered
- Any specific questions will be followed up separately within a few business days from the meeting

# Proposed Program



- Engineering Projects – Procurements Completed

Project	Consultant	Budget
<b>WATERSHED CONSULTANT - LOWER &amp; MIDDLE RDP CSO CONTROLS (11109)</b>	Jacobs Engineering Group, Inc.	\$ 3.79 M
<b>WATERSHED CONSULTANT - RDP TRIBUTARIES (DEER CREEK) CONTROLS SYSTEM IMPROVEMENTS (11153)</b>	HDR Engineering, Inc.	\$ 7.66 M
<b>WATERSHED CONSULTANT – LEMAY SANITARY PROGRAM (11145)</b>	Burns & McDonnell Engineering Co., Inc.	\$ 0.20 M
<b>WATERSHED CONSULTANT – CONSTRUCTION MANAGEMENT – TANKS/TREATMENTS/PUMP STATION FACILITIES (11151)</b>	KAI 360 Construction Services, LLC	\$ 5.50 M
<b>WATERSHED CONSULTANT – CONSTRUCTION MANAGEMENT – RDP TUNNELS (11152)</b>	Shannon & Wilson Inc.	\$ 1.30 M
<b>WATERSHED CONSULTANT – CONSTRUCTION MANAGEMENT – LOWER MERAMEC AND DEER CREEK TUNNELS (11826)</b>	Black & Veatch Corporation	\$ 4.50 M
<b>WATERSHED CONSULTANTS</b>	<b>6</b>	<b>\$ 22.95 M</b>

# Proposed Program

- Engineering Projects – Procurements Completed

Project	Consultant	Budget
BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Black & Veatch Corporation	\$ 15.60 M
LOWER MERAMEC WWTF EXPANSION PHASE II	KAI 360 Construction Services, LLC	\$ 1.90 M
MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION	Black & Veatch Corporation	\$ 1.20 M
LOWER MERAMEC WWTF EXPANSION PHASE II	HDR Engineering, Inc.	\$ 1.19 M
SCADA SYSTEM UPGRADE	EMA, Inc.	\$ 1.00 M
TM-01 TWO MILE CREEK OUTFALL SANITARY RELIEF	Gonzalez Companies, LLC	\$ 0.75 M
HALL STREET STORM SEWERS	M3 Engineering Group, PC	\$ 0.30 M
<b>Totals</b>	<b>7</b>	<b>\$ 21.94 M</b>

# Proposed Program

- Engineering Projects – Procurements Completed

Project	Consultant	Budget
UPPER MATTESE TRUNK SANITARY RELIEF	Crawford Murphy & Tilly Inc.	\$ 0.30 M
BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	Jacobs Engineering Group Inc.	\$ 0.15 M
BISSELL POINT WWTF FINE SCREEN, CONCRETE AND GATE IMPROVEMENTS	Jacobs Engineering Group Inc.	\$ 0.15 M
GRAVOIS CREEK OMCI STORMWATER DESIGN (2023)	Oates Associates, Inc.	\$ 0.13 M
PUMP STATION REPAIR AND IMPROVEMENT DESIGN (CONTRACT C)	Crawford Murphy & Tilly Inc.	\$ 0.05 M
<b>Totals</b>	<b>5</b>	<b>\$ 0.78 M</b>

# Proposed Program



- Other Projects – Procurements Completed

Project	Vendors	Budget
FLOW METERING AND MONITORING (2022)	ADS Environmental Services	\$ 2.50 M
RADAR RAINFALL DATA (2020)	Vieux and Associates, Inc.	\$ 0.15 M
STORMWATER ASSET INVESTIGATIONS (2022)	TREKK Design Group, LLC	\$ 0.80 M
STREAM FLOW GAUGE OPERATION	U.S. Geological Survey	\$ 0.60 M
CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2023)	Ace Pipe Cleaning, Inc.	\$ 3.00 M
CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2023)	TREKK Design Group, Inc.	\$ 1.70 M
STREAM FLOW WATER QUALITY SAMPLING (2023)	Geosyntec Consultants, Inc.	\$ 0.35 M
<b>Totals</b>	<b>7</b>	<b>\$ 9.10 M</b>

# Proposed Program



- Engineering Projects – Procurements Needed

Project Name	Budget
GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2024)	2,000,000
DEER CREEK OMCI STORMWATER DESIGN (2024) (CONTRACT A)	820,000
MISSOURI RIVER WWTF ENGINE GENERATOR REPLACEMENT AND DIGESTER SYSTEM IMPROVEMENTS	770,000
BONFILS PUMP STATION (P-784) REHABILITATION	695,000
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT A	600,000
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT B	475,000
COLDWATER CREEK OMCI STORMWATER DESIGN (2024) (CONTRACT A)	420,000
SOUTH COUNTY RELIEF PUMP STATION (P-419) IMPROVEMENTS	418,000
STRASSNER AVE SANITARY RELIEF (BLACK CREEK TRUNK TO SWALLOW DR)	290,000
EARLSFIELD SANITARY RELIEF AND KINGSTON PUMP STATION (P-326) ELIMINATION	230,000
ROYAL ARMS CT SANITARY RELIEF	230,000
PEMBROKE DRIVE STORM IMPROVEMENTS	224,000



# Proposed Program

- Engineering Projects – Procurements Needed

Project Name	Budget
GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2024) CONTRACT A	200,000
CONWAY MEADOWS SANITARY RELIEF (CONWAY RD TO I-64)	200,000
HILLSDALE DR #7501 STORM SEWER	154,000
GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2024)	150,000
UNIVERSITY CITY BRANCH OMCI STORMWATER DESIGN (2024) (CONTRACT A)	150,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT A	85,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT B	85,000
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT C	85,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT A	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT B	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT C	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT D	50,000
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT E	50,000

# Diversity Updates for FY24



## Disparity Study

- Continue to apply RFP incentive credits for engineering professional services.
- Subcontract M/WBE goals for the ethnic and gender groups with a statistically significant disparity.
  - Goals apply to contracts over \$50,000
  - Contracts \$50,000 to \$500,000 – Combined M/WBE Goal of 31%
  - Contracts \$500,000 and above - 18% Minority and 13% Women
  - Identify available resources to assist with performing steps for Good Faith Efforts (GFE)
- Workforce Goals
  - Based on availability of Minorities and Women within MSD's service area.
  - 31% Minorities and 37% Women

# Diversity Updates for FY24



## Program Enhancements

- New Policy Guidelines for the next RFQ/RFP Procurement Process.
- Information Sessions Available Soon.
- Systems improvements to collect better data for all subs performing work.
- Website Updates at: <http://www.msprojectclear.org/disparity>

## Selection Process

- Pre-Qualification
- RFQ/RFP Process
- RFP Only Process
- RFQ Shortlist Selection Criteria
- RFP Selection Criteria
- Selection Process Documents – <https://msdprojectclear.org/doing-business/capital-improvement-replacement-program/engineering-professional-services/>
- (under Resources at the bottom of the page)

# Selection Process

## Pre-Qualification

- The submission deadline to be pre-qualified for all 2023 projects was October 3, 2022.
  - Late submission may affect eligibility during the selection process
- Consultants may submit pre-qualification packets year-round
  - The pre-qualification questionnaire can be found at [MSDProjectClear.org](https://MSDProjectClear.org) under the 'Doing Business with Us' dropdown.
  - Packets must be submitted in PDF form to [msdengpq@stlmsd.com](mailto:msdengpq@stlmsd.com).
- Previous year's performance evaluation will be included with the 2023 pre-qualification notification letter.
- Questions – contact Ashley Luster at [aluster@stlmsd.com](mailto:aluster@stlmsd.com) or 314.768.6285

# Selection Process

## RFQ/RFP Process

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

# Selection Process

## RFP Only Process

- Projects less than \$500,000 – RFP
- Project Pairings
- Statement of Interest & Pre-Qualifications to aid in shortlisting
- Shortlisting to 3 or more firms by Shortlist Committee
- Selection by separate Selection Committee after Proposal evaluation

# Selection Process

## RFQ Shortlist Selection Criteria

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



# Selection Process

## RFP Selection Criteria

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

# 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.

# 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 Program

## RFQ/RFP Schedule

- RFQ1/RFP1 – 4 projects totaling \$2.7 M
- RFQ Issued: February 28
- RFQ Due: March 22
- RFP Issued: May 3
- RFP Due: May 24
- Selection: June 26

# Proposed Program

## RFQ/RFP Grouping

### RFQ1/RFP1 – Project Details

- Deer Creek OMCI Stormwater Design (2024) Contract A, budgeted at \$820,000
- Missouri River Engine Generator Replacement and Digester System Improvements, budgeted at \$770,000
- Bonfils Pump Station (P-784) Rehabilitation, budgeted at \$695,000 & South County Relief Pump Station (P-419) Improvements, budgeted at \$418,000

## Proposed Program

### RFQ/RFP Schedule

- RFQ2/RFP2 – 3 projects totaling \$3.075 M
- RFQ Issued: March 28
- RFQ Due: April 19
- RFP Issued: May 31
- RFP Due: June 21
- Selection: July 21

# Proposed Program

## RFQ/RFP Grouping

### RFQ2/RFP2 – Project Details

- General Services Agreement – Construction Management, budgeted at \$2,000,000
- General Services Agreement – Facility and Sewer Design (2024) Contract A, budgeted at \$600,000
- General Services Agreement – Facility and Sewer Design (2024) Contract B, budgeted at \$475,000

# Proposed Program

## RFP Schedule

RFP3 – 8 projects totaling \$1.9 M

- Interest Statement Issued: February 28
- Interest Statement Due: March 22
- RFP Issued: June 27
- RFP Due: July 19
- Selection: August 23



# Proposed Program

## RFP Grouping

### RFP3 – Project Details – 1 A/B

- Coldwater Creek OMCI Stormwater Design (2024)(Contract A), budgeted at \$420,000
- University City OMCI Stormwater Design (2024)(Contract A), budgeted at \$150,000

### RFP3 – Project Details – 2 A/B

- Strassner Ave Sanitary Relief (Black Creek Trunk to Swallow Dr), budgeted at \$290,000
- Conway Meadows Sanitary Relief (Conway Rd to I-64), budgeted at \$200,000

## Proposed Program

### RFP Grouping

#### RFP3 – Project Details – 3 A/B

- Pembroke Drive Storm Improvements, budgeted at \$224,000
- Hillsdale Dr #7501 Storm Sewer, budgeted at \$154,000

#### RFP3 – Project Details – 4 A/B

- Earlsfield Sanitary Relief and Kingston Pump Station Elimination, budgeted at \$230,000
- Royal Arms Court Sanitary Relief, budgeted at \$230,000

# Proposed Program

## RFP Schedule

RFP4 – 10 projects totaling \$0.855 M

- Interest Statement Issued: February 28
- Interest Statement Due: March 22
- RFP Issued: July 25
- RFP Due: August 16
- Selection: September 20

# Proposed Program

## RFP Grouping

### RFP4 – Project Details – 1

- General Services Agreement - Sewer and Channel Design (2024), budgeted at \$200,000

### RFP4 – Project Details – 2

- General Services Agreement – Water Quality Support Services (2024), budgeted at \$150,000

### RFP4 – Project Details – 3 (3 contracts)

- General Services Agreement – Geotechnical (2024), budgeted at \$85,000 each

### RFP4 – Project Details – 4 (5 contracts)

- General Services Agreement – Survey Services (2024), budgeted at \$50,000 each

# Proposed Program

## Design/Build Opportunities

Future Design/Build Opportunities include:

- Eltora Wet Weather Storage Facility (2 MG storage facility, pump station, and collection sewers) – Budgeted start in FY25, RFP to be issued in 1Q 2024

# Proposed Program

## Looking Ahead

- Phasing out of Watershed Consultant Contracts
- Fewer major Sanitary Relief projects
- Funding for Stormwater design work uncertain
- Continue with Plant and Pump Station Asset Renewal design work
- FY25 – tentatively 38 new design projects for \$15M
- \$10M to \$15M in new design work annually except for FY26 (\$27M due to 3 large projects)

## Executive Director's Update

- Board of Trustees Status
- Rate Proposal Schedule
- Rate Proposal Wastewater
- Rate Proposal Stormwater



# Questions and Answers

<https://msdprojectclear.org/>

