FY 2024 Capital Improvement Program - Proposed Engineering Services

Rich Unverferth, P.E.
Director of Engineering
January 17, 2023
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

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

- **Engineering Projects – Procurements Completed**

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

- Engineering Projects – Procurements Completed

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<tr>
<th>Project</th>
<th>Consultant</th>
<th>Budget</th>
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<tbody>
<tr>
<td>UPPER MATTESE TRUNK SANITARY RELIEF</td>
<td>Crawford Murphy &amp; Tilly Inc.</td>
<td>$ 0.30 M</td>
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<td>BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT</td>
<td>Jacobs Engineering Group Inc.</td>
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<td>BISSELL POINT WWTF FINE SCREEN, CONCRETE AND GATE IMPROVEMENTS</td>
<td>Jacobs Engineering Group Inc.</td>
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<td>GRAVOIS CREEK OMCI STORMWATER DESIGN (2023)</td>
<td>Oates Associates, Inc.</td>
<td>$ 0.13 M</td>
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<tr>
<td>PUMP STATION REPAIR AND IMPROVEMENT DESIGN (CONTRACT C)</td>
<td>Crawford Murphy &amp; Tilly Inc.</td>
<td>$ 0.05 M</td>
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<td><strong>Totals</strong></td>
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<td><strong>$ 0.78 M</strong></td>
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6 projects completed.
Proposed Program

- Other Projects – Procurements Completed

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

- **Engineering Projects – Procurements Needed**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Budget</th>
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<tbody>
<tr>
<td>GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2024)</td>
<td>2,000,000</td>
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<tr>
<td>DEER CREEK OMCI STORMWATER DESIGN (2024) (CONTRACT A)</td>
<td>820,000</td>
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<tr>
<td>MISSOURI RIVER WWTF ENGINE GENERATOR REPLACEMENT AND DIGESTER SYSTEM IMPROVEMENTS</td>
<td>770,000</td>
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<td>BONFILS PUMP STATION (P-784) REHABILITATION</td>
<td>695,000</td>
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<td>GENERAL SERVICES AGREEMENT - FACILITY &amp; SEWER DESIGN (2024) CONTRACT A</td>
<td>600,000</td>
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<td>GENERAL SERVICES AGREEMENT - FACILITY &amp; SEWER DESIGN (2024) CONTRACT B</td>
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<td>COLDWATER CREEK OMCI STORMWATER DESIGN (2024) (CONTRACT A)</td>
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<td>SOUTH COUNTY RELIEF PUMP STATION (P-419) IMPROVEMENTS</td>
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<td>STRASSNER AVE SANITARY RELIEF (BLACK CREEK TRUNK TO SWALLOW DR)</td>
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<td>EARLSFIELD SANITARY RELIEF AND KINGSTON PUMP STATION (P-326) ELIMINATION</td>
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<td>ROYAL ARMS CT SANITARY RELIEF</td>
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<td>PEMBROKE DRIVE STORM IMPROVEMENTS</td>
<td>224,000</td>
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Proposed Program

- Engineering Projects – Procurements Needed

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Budget</th>
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<tr>
<td>GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2024) CONTRACT A</td>
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<td>Conway Meadows Sanitary Relief (Conway Rd to I-64)</td>
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<tr>
<td>Hillsdale Dr #7501 Storm Sewer</td>
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<tr>
<td>GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2024)</td>
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<td>University City Branch OMCI Stormwater Design (2024) (Contract A)</td>
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<td>GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT A</td>
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<td>GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT B</td>
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<td>GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT C</td>
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<td>GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT A</td>
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<td>GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT B</td>
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<td>GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT C</td>
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<td>GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT D</td>
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<tr>
<td>GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT E</td>
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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.msdprojectclear.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 under the ‘Doing Business with Us’ dropdown.
  • Packets must be submitted in PDF form to 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 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/