

Business Item 2025-119

Metro WRRF Primary & Secondary Rehabilitation & Renewal
Phase 1, Contract 24P096

Environment Committee: May 13, 2025



Rene Heflin / Luke Holifield



Contents

Table of Contents	2
Project 808927 Summary	3
Project 808929 Summary	4
Project 808935 Summary	5
Solicitation Summary	7
Proposed Action	8
Questions	9

Project 808927 Steam System Improvements & Turbine Rehabilitation



Existing G7 Steam Turbine

Scope of Work

- Installs new generator, controls, and steam turbine components (by Siemens Energy under a separate contract with the Council).
- Modifies existing turbine steam piping.
- Installs instrumentation to monitor turbine, boiler feedwater, and steam.
- Installs additional boiler feedwater treatment.
- Installs vibration reduction system on structure.

Rehabilitates steam turbine generator and makes improvements to increase service availability and to extend service life.

Project 808929 Metro Plant Solids Control Room Improvements



Rendering of New SMB Control Room



Rendering of New SMB Conference Room

Scope of Work

- Upgrades the solids management building (SMB) control room, SMB conference room, SMB offices, and three satellite operator workstations.

Provides ergonomic, performance monitoring, and work environment improvements to operator control areas over 20 years old.

Project 808935 Metro WRRF Primary & Secondary Rehabilitation & Renewal Phase 1



Existing Sluice Gate (2 @ 10' x10')

Scope of Work

- Replaces influent sluice gates
- Repairs concrete in the east primaries, south influent channel, and gravity thickeners
- Reclaims pavement to renew roads
- Replaces 8 programmable logic controllers
- Rehabilitates wall tile at the Compressor building

Project 808935 Metro WRRF Primary & Secondary Rehabilitation & Renewal Phase 1



Rendering of EPT Addition

Scope of Work – continued

- Improves Scum Systems
 - Constructs an addition to the East Pre-treatment (EPT) building to accommodate scum dumpsters
 - Replaces scum pumps and installs new piping and valves
- Rehabilitates roof/heating ventilation air conditioning
 - Compressor building
 - East Primary building

Rehabilitates and renews Metro WRRF aging infrastructure and improves scum handling systems.

Solicitation Summary

- Invitation for Bids Issued – January 7, 2025
- Pre-Bid Meeting – January 22, 2025
- Two Bids Received – April 15, 2025
 - Shank Constructors, Inc. – \$44,042,500
 - McGough Construction – \$65,109,208
- Metropolitan Council Underutilized Business (MCUB) Goal – 14%
 - Office of Equity and Equal Opportunity (OEEEO) determined that Shank Constructors, Inc. met the MCUB requirements of this contract.

Proposed Action

That the Metropolitan Council authorize its Regional Administrator to award and execute contract 24P096 with Shank Constructors, Inc for Metro WRRF Primary & Secondary Rehabilitation & Renewal Phase 1 project in an amount not to exceed \$44,042,500.

Questions

Rene Heflin

Manager

Plant Engineering

Rene.Heflin@metc.state.mn.us

651-602-1077

Luke Holifield

Senior Engineer

Plant Engineering

Luke.Holifield@metc.state.mn.us

651-602-1362

