



DIRECTOR OF ENGINEERING REPORT

May 20, 2026

District Engineering manages projects, consultants, contractors, and equipment suppliers. Consultant reports and Project Managers reports are included in this section along with details regarding the status of the associated study, design, or construction projects.

ACTIVE PROJECTS

22ENG31 ADMINISTRATIVE WORKFORCE CENTER

SCOPE: Construction and commissioning of a new 26,000 sq ft Administration Building. The building includes the addition of a new Wastewater Treatment Plant laboratory facility, administration offices, maintenance offices, break room, multi-purpose meeting room.						
Contractor: Christy-Foltz			Original Contract Price: \$14,961,550			
Engineer: AEX			Sum of Change Orders: \$27,064			
R.E. Inspector: SDD			Total Value: \$14,988,614			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
06/25/24	07/02/24	07/30/24	09/27/24	10/09/24	10/08/24	10/9/25

Key Activities: Punch list items are being completed.

We expect final occupancy permit to be granted once grading and landscape issues are addressed. Staff is preparing additional documentation for Tri-Merit, the firm that is working on obtaining Geothermal & HVAC energy credits for the district. Resolution to HVAC system high pressure was caused by undersized expansion tank. Right sized expansion tank was installed this period.

Issues:

1. HVAC: Higher capacity exhaust fan is needed for lab (EF-5).
2. HVAC: To address the airflow issue into the maintenance workspace, AEX is recommending installation of a booster fan in ductwork for HP-13.

Future Change Items

<u>Num.</u>	<u>Description</u>	<u>Value</u>
1	FO04 – Nitrogen piping modification to vacuum	\$1,135.00
2	RFP11 – Modify Power supply to WWHP-1	\$1,122.00
3	Lab ceiling grid transition modification	\$ 211.00
4	RFPCO04 - Add 2 conduits for communication antennas to roof top.	\$ 969.00
5	RFPCO06 - Install Local electrical disconnects on Lab roof mounted blowers	\$6,425.00
6	Install additional Data cables and power in IT offices and Data Rack A	\$1,195.00
7	RFPCO07 - Add additional light in penthouse mechanical room	\$1,074.00
8	RFP13 - Add power supply to electric hand dryer in shower 501a	\$2,451.00
9	ASI10 - Modify flooring layout in Board Room	\$2,426.00
10	WCD11 - Modify coatings in the Lobby (T&M)	\$5,850.88
11	ASI09 - Door Header Revision in Engineering Office (Room 305a)	\$5,513.67 ¹
12	ASI12 - Change flooring in room 506	\$3,785.00
13	Remove Masonry and Metal Panel in Lobby Vestibule	(\$ 315.00)
14	Add RPZ on vacuum pump.	\$2,516.00
15	Add vacuum ports in lab rooms (408 and 410)	\$5,002.03
16	Modifications to vacuum system (T&M)	\$9,819.80 ³
17	Reconciling South Parking Lot Base Material	\$TBD
18	Shore up unsuitable foundation soils at SW corner of building (T&M)	\$1,063.00
19	Provide additional concrete sidewalk and housekeeping pads	\$TBD



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20	Add condensate drain pan/ line beneath heat recovery unit in lab	\$TBD
21	Install larger expansion tank on HW loop	\$TBD ¹
22	Install Booster Fan in ductwork for HP-13	\$TBD ¹
23	Installation of a higher capacity exhaust fan – 8-week lead time (EF-5)	\$TBD ¹
Owner Contract Closeout Expenses being reconciled		
	Owner Supplied Dishwasher Accessories (spec 11-9500, pp 2.02 & 01-7000, pp 3.08-3.09)	(\$8,065.00) ²
	Expense for heating two buildings beyond contractual substantial completion date. (spec 01-5100, pp1.06)	(\$14,686.13) ⁴
	Additional AEX expenses for work required beyond completion date (i.e. progress meetings).	(\$TBD) ⁴
	Repair of plant water pumps	(\$5,183.77) ⁵
SDD TOTAL (to date)		\$28,997.90

1. Designer is covering the cost of this item
2. There was disagreement on the party responsible for providing dishwasher accessories. Contractor was told that SDD intends to withhold the cost of the accessories from final payment.
3. The cost of the design and labor to install the modifications is being borne by the designer, SDD agreed to pay for the materials required.
4. Owner expenses due to the extension of construction beyond contract completion date.
5. Construction debris (plastic from interior light fixtures) was blown into the wastewater process tanks and subsequently pulled into the effluent station plant water pump impellers. (spec 01-5000, pp1.09)

UPCOMING PROJECTS:

Nutrient Reduction Improvements Planning: Ongoing coordination for the Detailed design.

- The RFQ for Construction Management (CM) Services
 1. RFQ responses were received 04/21/26 as planned. Two firms TYLin; and Burns and McDonnell responded. The Evaluation and Selection process is underway.
- Black and Veatch will be providing a brief overview of the project schedule at the trustee meeting this month.
- The next Opinion of Probable Construction Costs will be done at 90% design completion.
- Significant progress was made this period with the Industrial User Total Phosphorous (TP) discharge limits. The determination was made to move toward a pound-based limit in lieu of a concentration-based limit. This is largely due to the impact that additional TP will have on SDD digester operation. This approach should better protect them from upset.
- SRF Funding: A draft of the Facility Planning Report for submittal to the Agency has been reviewed and will be submitted by the end of May.

2026 Roads Project – This project was advertised this last period. The work includes two divisions of work 1) concrete repair areas (most notably at the front gate) and 2) Asphalt patches and sealcoating. There is a pre-bid meeting scheduled for 5/21/26 and we anticipate opening bids on June 4th.

Stevens Creek Supplemental Trestle Coating: Premature degradation was observed in the cementitious coatings of the HOBAS pipe trestles that were installed in 1997. Cleaning and application of an epoxy coating has been recommended by the HOBAS pipe manufacturer to maximize life expectancy of the pipe material. Staff is preparing specifications for the repair, however over the last month, a portion of the trestle pipe was burned in a property owners “semi-controlled burn” causing some additional damage to the pipe. The manufacturer provided comments on repair methods to be employed to the damaged areas this last period.



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CIPP Lining of 12” Plant Sanitary Sewer: Plans and Specs are being prepared to repair the original 12” clay pipe that has numerous longitudinal cracks in it. This is the next step after spot repairs that were done previously on this sewer.

Plant Solar Fields – Final design comments were provided for the 90% plans this period. SDD remains at 43 in Ameren’s plan review queue. Additional comments in Dir of Maintenance update.

25ENG18 Force Main Inspection – Damon South FM Air Release Valve Upgrades. <<No Update>> The Damon South air release valves are in poor shape. The project will repair fittings and replace all air release valves to enable activation and inspection of the pipe. The cost of repairs will require competitive bidding to prepare for the planned force main inspection.

INTERGOVERNMENTAL ACTIVITIES

1. Staff conducted the quarterly meeting with the CITY on 4/22/26 as expected. Planned projects were discussed and the potential for their inclusion in the Integrated Plan framework.
2. Ongoing coordination with the CITY on the Brush College Pump Station.

If there are questions, please contact me at 462-9349, or by email at DonM@sddcleanwater.org.



PROJECT MANAGER REPORT

May 20th, 2026

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ACTIVE PROJECTS

2025 WWTP Upgrades Final Clarifiers and Aeration Gates

<p>SCOPE: The project includes replacement of the broken floor in clarifier #11; replacement of 3 final clarifier mechanisms in the south final clarifier cluster, replacement of weir structures in the division structures and rehabilitation of 3 influent channel gates and rehabilitation of 20 gates in the nitrification aeration tanks.</p>						
Contractor:		Plocher Construction		Original Contract Price:		\$ 8,417,000
Engineer:		SDD		Sum of Change Orders:		\$
R.E. Inspector:		SDD		Total Value:		\$ 8,417,000
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
04/04/25	04/24/25	05/20/25	06/20/25	09/27/25	10/15/25	450 days

Key Activities: Stainless-steel weirs are now installed in both the South and West distribution structures. The fabricated materials are on site for the north distribution structure. New stainless-steel equipment for Clarifier #11 is scheduled for delivery in mid-May.

Issues: Contractor is struggling with ground water management on the North Diversion structure.

Pending Change Order Items:

<u>Num.</u>	<u>Description</u>	<u>Value</u>
1	Time and materials for repair of the 16" dewatering pipe.	\$TBD
2	Removal of Unox Clarifier Mech removal from the contract.	(\$400,000)

24ENG06 Eastside Interceptor CIPP Rehabilitation

<p>SCOPE: This interceptor was originally installed in 1953 and is experiencing various forms of failures as noted in the most recent PACP rating. The work includes Eastside Branches 739B and 739C and the main trunk from MH 9 North to 739C tie-in.</p>						
<p>The project will include heavy cleaning, inspection, and installation of cured-in-place structural lining of 11,233 lineal feet of pipe in the Eastside interceptor system. Contractor will apply 530 lineal feet of cementitious lining to manholes and reinstate all taps and connections to the interceptor.</p>						
Contractor:		SAK Construction		Original Contract Price:		\$ 4,694,769
Engineer:		Farnsworth Group		Sum of Change Orders:		\$
R.E. Inspector:		SDD		Total Value:		\$
Advertise	Pre-bid	Bid Open	Intent to Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
12/08/2025	02/03/2026	02/24/2025	03/18/2026			



PROJECT MANAGER REPORT

May 20th, 2026

Key Activities: Notice was given this last period to the contractor that SDD intends to award this project to them once funding is made available. Illinois EPA has delivered the SRF loan agreement for SDD to execute.

There is a motion before the board to accept the loan from Agency's SRF program.

24ENG07 Digester #1 Lid Replacement

SCOPE: The project will remove the existing lid and replace with a new contractor procured lid. Existing linear motion mixer mechanism will be reused with replacement of the mixing equipment.						
Contractor:		Grunloh Building Inc.		Original Contract Price:		\$ 3,597,392
Engineer:		Donohue & Associates		Sum of Change Orders:		\$
R.E. Inspector:		SDD		Total Value:		\$ 3,597,392
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
12/02/25	12/17/25	01/14/26	01/29/26	02/10/26	02/10/26	08/07/27

Key Activities: Submittal review is ongoing. Contractor is expected to mobilize in July 2026.

25ENG22 Neuros Blower #5 Installation

SCOPE: The project will remove the existing 600HP Hoffman blower and install an owner procured Neuros NX250 high efficiency turbo blower.						
Contractor:		Grunloh Building, Inc.		Original Contract Price:		\$ 232,696.70
Engineer:		SDD		Sum of Change Orders:		\$
R.E. Inspector:		SDD		Total Value:		\$ 232,696.70
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
01/06/2026	02/12/2026	03/05/2026	03/20/2026	04/07/2026	04/14/2026	10/30/2026

Key Activities: A pre-construction meeting was held with Grunloh Building, Inc. Multiple valves and fittings have a 12-16 week lead time. Grunloh has placed orders for these long lead components and will accelerate the project timeline as components become available. Construction is planned to begin in mid-August pending material delivery.

25ENG21 Digester #2 Sump Well Repair

SCOPE: The project will remove corroded sump wells in the lid of Digester #2 and replace with fabricated in-kind materials.						
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Key Activities: The project is currently advertised. Bid opening is scheduled for June 2.