

AGENDA
UTILITIES SERVICE BOARD MEETING

Utilities Service Center Boardroom
City of Bloomington Utilities
600 E Miller Dr
Bloomington, IN 47401

Kirk White, President - Term: 1/1/2023 - 12/31/2026(M)
Molly Stewart, Vice President - Term: 1/1/2023 - 12/31/2026(M)
Seth Debro - Term: 1/1/2026 - 12/31/2029(M)
Amanda Burnham - Term: 1/1/2023 - 12/31/2026(C)
Jim Sherman - Term: 1/1/2024 - 12/31/2027(M)
Megan Parmenter - Term: 1/1/2022 - 12/31/2025(C)
Vacant Seat - City Council
David Hittle, ex officio
Matt Flaherty, ex officio
(M) - Appointed by Mayor
(C) - Appointed by Council

[Attend this meeting via Zoom:](#)

Meeting ID: 833 3209 0655

Passcode: 245356

Monday, February 9, 2026

4:30 p.m. Bid Opening

- I. Call to Order
- II. Bid Opening - Bloomington Monroe WTP VFD Upgrade
- III. Petitions and Communications*
- IV. Adjournment

*Public Comment will be limited to 5 minutes per person

SCOPE OF WORK

BLOOMINGTON MONROE WTP VFD UPGRADE

1.0 High Service Pump VFD Upgrade

BASE BID –

Provide all labor, materials, equipment, and services necessary to complete the removal and replacement of the existing variable frequency drive (VFD) and associated 2400V-480V transformer serving High Service Pump 1. Scope includes verification and labeling of all existing power, control, and signal wiring to ensure accurate reconnection, as well as modification of existing equipment pads or mounting surfaces as required to accommodate the new transformer and VFD. Furnish and install a new dry-type transformer and VFD as shown in the plans with the operational requirements of High Service Pump 1, including all necessary terminations, grounding, and integration with existing motor and control systems. Perform equipment startup, functional testing, and SCADA updates to support real-time monitoring, alarm functions, and remote control of the new drive. Provide a formal Owner training session covering VFD operation, diagnostics, and maintenance procedures, and submit all required documentation including test reports, as-built wiring diagrams, and equipment manuals.

MANDATORY ALTERNATE BID

Provide all labor, materials, equipment, and services necessary to complete the removal and replacement of the existing variable frequency drive (VFD) and associated 2400V-480V transformer serving High Service Pump 1. Scope includes verification and labeling of all existing power, control, and signal wiring to ensure accurate reconnection, as well as modification of existing equipment pads or mounting surfaces as required to accommodate new VFD. Furnish and install a new VFD as shown in the Alternate plans with the operational requirements of High Service Pump 1, including all necessary terminations, grounding, and integration with existing motor and control systems. Conduit and wire for the new VFD shall be provided from an existing MCC-FILTER located approximately 180' from the VD location. Price shall include rigid aluminum conduit which may be swapped out for EMT after bidding. Perform equipment startup, functional testing, and SCADA updates to support real-time monitoring, alarm functions, and remote control of the new drive. Provide a formal Owner training session covering VFD operation, diagnostics, and maintenance procedures, and submit all required documentation including test reports, as-built wiring diagrams, and equipment manuals.

Monroe WTP VFD/Transformer Replacement Bid Form - Base Bid

Type of Repair	Estimated Quantity	Total Cost
ABB VFD	1	
Transformer	1	
Misc. Electrical - Conduit, wire, Boxes, labor	N/A	
Contingency:		\$ 30,000
Total Estimated Cost:		

Monroe WTP VFD/Transformer Replacement Bid Form - Mandatory Alterante

Type of Repair	Estimated Quantity	Total Cost
ABB VFD	1	
Misc. Electrical - Conduit, wire, Boxes, labor	N/A	
Mandatory Alternate - provide conduit and conductors from the spare 800A, 480V circuit breaker in MCC-FILTER located in the hallway of the building expansion to the new VFD. Approvimately 180' from the new VFD. No trasnformer required.		
Contingency:		\$ 30,000
Total Estimated Cost:		

Subject:

Project:

Client:

Engineer's Estimate of Probable Costs

Monroe Water Treatment Plant - HSP1 VFD Replacement

Bloomington Monroe WTP

Sheet:

Prepared By:

Checked By:

Project No.:

1

WCM

260022-04-001

of

Date:

1/6/2026

Date:

Engineer's Opinion of Probable Costs

Table 5-1
Preliminary Cost Estimate

Water Treatment Plant Electrical Evaluation
O4
Bloomington Monroe WTP

I. Construction Costs

Item	Description	Quantity	Unit	Unit Price	Total Price
1	500HP VFD	1	EA	\$ 180,000	\$ 180,000
2	2400V to 480V tranformer	1	EA	\$ 40,000	\$ 40,000
3	Demolition existing VFD and 2400V switch and trasnformer	1	EA	\$ 5,000	\$ 5,000
4	Electrical Conduit, Wire, Duct banks, Misc.	1	L SUM	\$ 25,000	\$ 25,000
5	SCADA Modifications	1	L SUM	\$ 2,500	\$ 2,500
6	Mob./Demob./Bonds/Insurance	1	L SUM	\$ 4,500	\$ 4,500
7	Final Cleanup	1	L SUM	\$ 4,500	\$ 4,500
				Subtotal	\$ 261,500
				10% Contingency	\$ 26,150
				Total Probable Construction Cost	\$ 287,650

Note:

All probable construction costs are based upon 2025 dollars. Construction materials and costs have been volatile in recent years. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, materials, or contractors' methods of pricing. The cost estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.