



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM



Date: September 2, 2025

To: Frank A. Nastasi, City Manager

From: Robert J. Bruner, Deputy City Manager
Chris Wilson, Assistant City Manager
Rob Maleszyk, Chief Financial Officer
Kyle Vieth, Controller
Kurt Bovensiep, Public Works Director
Dennis Trantham, Deputy Public Works Director
Brian Goul, Recreation Director
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution 4: Oakland County Extended Purchasing Cooperative Contract – VFD for the Main Pool Pump at the Troy Community Center and Budget Amendment (Introduced by Brian Goul, Recreation Director)

History

- The Troy Community Center is 24 years old.
- The Main Pool Pump was replaced last year and in order to ensure the pump is working effectively and extend the life of the pump, a variable frequency drive (VFD) is being added to the pump.
- Adding a VFD will allow the pump to operate at a more efficient speed, saving on energy and unnecessary wear on the pump.
- The State of Michigan requires that the volume of the pool is exchanged at a minimum of every six hours. Historically, this requirement has been achieved through the manipulation of valves. The integration of a VFD allows the motor to be slowed by controlling the hertz maintaining the volume of the pool every six hours.
- A budget amendment will be required as this project was not budgeted.

Purchasing

- Pricing for the purchase and installation of the VFD for the main pool pump at the Troy Community Center has been secured from *SHAW Service and Maintenance of Southfield, MI* as detailed in the attached proposal SCOT250711001 through the Oakland County Extended Purchasing Contract #010460.
- City Council authorized participation in the Cooperative Purchasing Programs on February 5, 2024 (Resolution #2024-02-031-J-5).

Financial

Funds for this project were not budgeted. The estimated total cost of the project is \$36,590 with a 20% contingency amount of \$7,318 for a total not to exceed amount of \$43,908. The acquisition will require a budget amendment in the amount of \$43,908 to the Troy Community Center General Equipment Capital Fund for the 2026 fiscal year. Expenditures will be charged to Account Number 401.756.755.978.045



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Recommendation

City Management recommends awarding a contract to furnish all equipment, material, and labor to install the VFD to the main pool pump at the Troy Community Center to *SHAW Service and Maintenance of Southfield, MI*, at prices contained in the attached proposal, as per the Oakland County Extended Purchasing Contract #010460, for an estimated total cost of \$36,590 with a 20% contingency for a not to exceed total amount of \$43,908.

It is also recommended that City Council approve a budget amendment to the Troy Community Center General Equipment Capital Fund in the amount of \$43,908.



Proposal & Scope of Work

Date: 7/11/2025

Proposal ID: SCOT250711001

TO: DENNIS TRANTHAM

FROM: Eric J Peterson

City of Troy
4695 Rochester Road
Troy, MI 48085

PROJECT: COMMUNITY CENTER VFD

Shaw Service and Maintenance Contacts

Eric Peterson, Service Engineer	Direct (248) 228-2080 (248)534-7602 epeterson@shawsi.com
Dispatch	Direct (248) 228-2080 service@shawsi.com
After Hours Emergency Number	(877) 370-7076
Service Email	service@shawsi.com

Included	Excluded		Included	Excluded	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sales & Use Tax	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Payment & Performance Bonds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Permit Costs & Fees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overtime Costs
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire Division Inspection Fees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temperature Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Building Permit Fees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Patching &/or repair of holes in walls or floors

This Proposal is based upon Shaw Service & Maintenance's Standard Terms and Conditions (see Page 2) unless otherwise indicated below.

SCOPE OF WORK:

Disconnect and demo (1) existing motor starter
Furnish and install Stainless Steel Strut, hardware and feet (rack for VFD mount)
Furnish and install VFD on new rack
Furnish and install electrical conduit, wire and terminations between VFD and existing electrical system
Provide Manufacturer startup of VFD
Test for proper operation

LABOR: \$7,708.00

MATERIAL: \$27,924.00

EQUIPMENT: \$959.00

TOTAL OFFERING PRICE: \$36,590.00

EXCLUSIONS & ASSUMPTIONS:

All work to be performed during normal working hours Monday through Friday.

Per Manufacturer- pricing subject to change, please ask for proposal refresh prior to PO award

Eric J Peterson

Shaw Service & Maintenance



Proposal & Scope of Work

Standard Terms & Conditions

1. Payment terms are monthly progress payments net 30 days due.
2. The offering price is valid for 30 days. Shaw Service & Maintenance reserves the right to extend this term without notice.
3. Subcontract terms and conditions are subject to review and approval prior to award of a subcontract to Shaw Service & Maintenance.
4. Terms are pending approval by Shaw Service & Maintenance credit manager.
5. This Proposal is based on the schedule and time durations presented at time of bid. A change in schedule shall constitute a change in scope of work.
6. All equipment furnished is F.O.B. shipping points with freight allowed to jobsite.
7. The price includes a warranty as specified in the Bid Documents. No other warranty is expressed or implied.

22100 TELEGRAPH RD SOUTHFIELD MICHIGAN 48033
PHONE: 248-228-2000 FAX: 248-228-2080

www.shawelectric.com

402FR003S	Version B	03/22/2014	Page 2 of 2
-----------	-----------	------------	-------------



22100 Telegraph
Southfield, MI 48033
Phone: (248) 228-2000
Fax: (248) 228-2080

**CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH,
2026**

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT250711001
QUOTE FOR:	DENNIS TRANTHAM	SHAW MMS RFC #:	
DATED:	7/11/2025	SHAW REVISION #:	0
DESCRIPTION:	PER PROVIDED SCOPE- INSTALLATION OF VFD AT TROY COMMUNITY CENTER FOR POOL EQUIPMENT. INCLUDES STARTUP BY VENDOR.		SHAW QUOTE DATE: 7/11/2025
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	VFD (INCLUDING STARTUP)		\$20,430
	PIPE, WIRE AND STRUT (ESTIMATED)	0	\$1,250
		0	
			\$0
	MARKUP(INCLUDING USE TAX)	15%	\$3,252
	ESCALATION(CONTINGENCY)	12%	\$2,992
	MATERIAL TOTAL		<u>\$27,924</u>
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	68 HOURS @ "	\$ 99.00	ELECTRICIAN \$6,732
	0 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN \$0
	0 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN \$0
	0 HOURS @ Double		\$0
	0 HOURS @ "	\$ 162.00	ELECTRICIAN \$0
	0 HOURS @ "	\$ 189.00	SERVICE ELECTRICIAN \$0
SUPERVISION - 8% OF DIRECT LABOR HOURS (DETAILING, LOGISTICS) or PER ATTACHED SHEETS AS DIRECT LABOR			
	8.0 HOURS @ Straight	\$ 122.00	\$976
	0 HOURS @ "		\$0
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "		\$0
	0 HOURS @ Double		\$0
	0 HOURS @ "		\$0
		0% INCREASE RATES FOR NON DAY SHIFT/FUTURE RATES	\$0
	LABOR TOTAL		<u>\$7,708</u>
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$150
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER		\$0
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	2 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY \$192
	0 HOURS	\$ 80.00	BIM COORDINATOR/PLOTS/DWGS \$0
	0 HOURS	\$ 65.00	ADMINISTRATIVE ASSISTANT \$0
DIRECT JOB EXPENSES / SMALL TOOLS / SAFETY / CONSUMMABLES / FIRST AID			
	AS PERCENT @	8.0% OF LABOR ABOVE TOTAL	\$617
	or AS ITEMIZED ON THE DJE CHECKLIST SHEET (Page 2 of 2)		\$0
	DIRECT JOB EXPENSES TOTAL		<u>\$959</u>
			<u>\$36,590</u>
	0%		\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		<u>\$0</u>
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			
			\$0
TOTAL PRICE FOR THIS QUOTATION	\$36,590		