



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: July 30, 2024

To: Robert J. Bruner, Acting City Manager

From: Megan E. Schubert, Assistant City Manager
Rob Maleszyk, Chief Financial Officer
Dee Ann Irby, Controller
Brian Goul, Recreation Director
Dennis E. Trantham, Deputy Public Works Director
Emily Frontera, Purchasing Manager
Alex Bellak, Information Technology Director

Subject: Standard Purchasing Resolution: Oakland County Extended Purchasing Contracts – TFAC Fiber Optic Installation Services



History

- The Troy Family Aquatic Center (TFAC) was built in 1991, at that time, computer connectivity for the TFAC to City Hall was achieved via buried AT&T telephone cabling.
- In 2013 the buried communication lines became erratic, and the city switched to a wireless point-to-point communication technology to supply network access to the TFAC building.
- As trees grew around the TFAC building, the point-to-point access became obstructed and under some circumstances unreliable.
- The City wishes to install a more reliable, higher bandwidth solution to connect TFAC to City systems by linking the TFAC building to the Skating Pavilion via fiber optic connectivity.

Purchasing

- Pricing for the Fiber Optic Installation at the Troy Family Aquatic Center has been secured from *Shaw Systems of Southfield, MI* through the Oakland County Extended Purchasing Contract #010460 as detailed in the attached proposal SCOT240604001 dated July 12, 2024.
- City Council authorized participation in the Cooperative Purchasing Programs on February 5, 2024 (Resolution #2024-02-031-J-5).

Financial

- Funds are budgeted and available in the Aquatic Center Capital Fund under Project Number 2024C0078 for the fiscal year 2025. Expenditures will be charged to account number 587.789.978.010.

Recommendation

City Management recommends awarding a contract for the TFAC Fiber Optic Installation Services to *Shaw Systems of Southfield, MI* for an estimated cost of \$32,196 for installation and hardware, as per the Oakland County Extended Cooperative Purchasing Contract #010460; not to exceed budgetary limitations.



Proposal & Scope of Work

Date: 7/12/2024

Proposal ID: SCOT240604001

TO: Alex Bellak
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT TFAC / Pavilion Fiber

Shaw Service and Maintenance Contacts

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

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

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

SCOPE OF WORK:

Furnish and install (2) Pull-Point Hand Holes at locations stubbed up by City of Troy Water Dept.
 Furnish and install (1) Maintenance Hand Hole at locations stubbed up by City of Troy Water Dept. near TFAC exterior wall

- Directional Boring and underground pathway provided by City of Troy

SHAW will provide (1) Exterior penetration into men's locker room area at TFAC
 Furnish and install conduit between new penetration and existing ceiling pathway within TFAC for Fiber Protection
 Furnish and install ~1,800' 6F OS2 IN/OUT TB RISER SLA PVC JKT Fiber between Pavilion MDF and TFAC MDF
 Furnish and install (1) 18 Port Rack Mount Fiber enclosure at TFAC
 Furnish and install Splice tray, cable assembly and fiber label kit within TFAC
 Furnish and install 24" Fiber Optic Cable Management Loop near TFAC existing rack
 SHAW will provide 30' of spare fiber at each rack for future service use
 SHAW will provide 30' of spare fiber coiled in each of (2) Maintenance Hand Holes for future service use
 SHAW will furnish and Terminate Fiber utilizing LC Connectors, Cassettes, Shrink Tubes, Pigtailed and break out kits
 SHAW will utilize fusion splicing for all terminations
 SHAW will test and certify fiber, providing results to COT for records keeping
 Existing Racks will be utilized at TFAC and Pavilion

MATERIAL: \$16,347.00
EQUIPMENT: \$1,194.00
LABOR: \$14,655.00
TOTAL OFFERING PRICE, NTE: \$32,196.00

EXCLUSIONS & ASSUMPTIONS:

All work to be performed during normal working hours Monday through Friday.
 Offer is written as Not To Exceed under Oakland County Contract Terms and Rates
 COT to provide GBIC adapters for connection to existing switch at TFAC

Eric J Peterson

Shaw Service & Maintenance

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

Bulletin Spreadsheet
Sound & Comm/Limited Energy
Jul 2018 - Jun 2019

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT240604001
QUOTE FOR:	Alex Bellak	SHAW MMS RFC #:	
DATED:	7/12/2024	SHAW REVISION #:	0
DESCRIPTION:	PER PROVIDED SCOPE- Fiber between Pavilion and TFAC		
PLANS ISSUED:	n/a	SHAW QUOTE DATE:	7/12/2024
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		

MATERIAL				\$3,212
FIBER, TERMS AND HEAD END EQUIPMENT				
	Handhole / Maintenance Hole Material	0		\$9,300
	Misc Materials, Conduit, Supports, Etc. (Estimated)	0		\$650
				\$0
	MARKUP(INCLUDING USE TAX)	15%		\$1,974
	ESCALATION(CONTINGENCY)	8%		\$1,211
	MATERIAL TOTAL			\$16,347

DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS				
	96 HOURS @ Straight	\$ 88.00	COMMUNICATION TECHNICIAN	\$8,448
	40 HOURS @ "	\$ 122.00	SERVICE ELECTRICAIN FOREMAN	\$4,880
	0 HOURS @ "			\$0
	0 HOURS @ Time & 1/2	\$ 112.00	COMMUNICATION TECHNICIAN	\$0
	0 HOURS @ "	\$ 159.00	SERVICE ELECTRICAIN FOREMAN	\$0
	0 HOURS @ "			\$0
	0 HOURS @ Double	\$ 145.00	COMMUNICATION TECHNICIAN	\$0
	0 HOURS @ "	\$ 189.00	SERVICE ELECTRICAIN FOREMAN	\$0
	0 HOURS @ "			\$0
SUPERVISION - 8% OF DIRECT LABOR HOURS (DETAILING, LOGISTICS) or PER ATTACHED SHEETS AS DIRECT LABOR				
	10.9 HOURS @ Straight	\$ 122.00	GENERAL/SOLE FOREMAN	\$1,327
	0 HOURS @ "			\$0
	0 HOURS @ Time & 1/2	\$ 108.00	GENERAL/SOLE FOREMAN	\$0
	0 HOURS @ "			\$0
	0 HOURS @ Double	\$ 136.00	GENERAL/SOLE FOREMAN	\$0
	0 HOURS @ "			\$0
		0%	INCREASE RATES FOR NON DAY SHIFT/FUTURE RATES	\$0
	LABOR TOTAL			\$14,655

DJE EQUIPMENT - LARGE OR SPECIAL TOOLING				
	EXCAVATOR/TRENCHING EQUIPMENT		\$0	
	RIGGING / HOISTING / LULL / FORKLIFT		\$0	
	FLUKE CABLE/FIBER TESTER		\$125	
	FUSION SPLICER		\$150	
	CORING		\$150	
	POWER LOGGER		\$0	
	PERMIT		\$0	
ENGINEERING / DOCUMENT MAINTENANCE				
	8 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY	\$768
	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 @	0.0%	OF LABOR ABOVE TOTAL	\$0
	or AS ITEMIZED ON THE DJE CHECKLIST SHEET (Page 2 of 2)			\$0
	DIRECT JOB EXPENSES TOTAL			\$1,193
		0%		\$32,196
				\$0

SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0

PLM BOND / INSURANCE COSTS	FEE ON SUBS @	5%	\$0
			\$0

TOTAL PRICE FOR THIS QUOTATION	\$32,196
---------------------------------------	-----------------