



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM



Date: August 2, 2024

To: Robert J. Bruner, Acting City Manager

From: Megan E. Schubert, Assistant City Manager
Rob Maleszyk, Chief Financial Officer
Dee Ann Irby, Controller
Kurt Bovensiep, Public Works Director
Dennis Trantham, Deputy Public Works Director
Brian Varney, Fleet Operations Manager
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution 4: Oakland County Extended Purchasing Contract – Department of Public Works Electrical Distribution Upgrades

History

The Department of Public Works was constructed in two phases. The original section, built in 1975, consisted of the Fleet Garage, the Water/Sewer Garage, and the administrative area. In 1984, a 14,500-square-foot addition was added on the north side of the building to serve as the Streets Equipment Garage (SEG). In 2001, a 1,100-square-foot addition was added to the east elevation of the original 1975 facility to provide additional administrative space.

The construction of the facility in 1975 provided sufficient electrical distribution for the needs at that time, however, as the demands of the facility changed over the years, so did the need for electricity. Over the 49 years of service, several renovations were made, and additional distribution panels were added to meet those needs.

The Facilities Condition Assessment and Analysis identified many of the existing distribution panels and switchgears as obsolete. While these systems are currently operational, if a component were to fail, replacements are no longer available. This situation could leave the Department of Public Works without the necessary power to serve residents efficiently during an emergency.

Purchasing

- Pricing for the Department of Public Works Electrical Distribution Upgrades has been secured from *Shaw Systems of Southfield, MI* through the Oakland County Extended Purchasing Contract #010460, as detailed in the attached proposals and summarized below.



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 Troy, MI 48084
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CITY COUNCIL AGENDA ITEM

LOCATION	Proposal	DATE	PRICE
DPW LP-B	SCOT240618002-8R1	26-Jul	\$ 9,465.00
DPW LP-A	SCOT240618002-9R1	26-Jul	\$ 9,465.00
DPW STREETS GARAGE	SCOT240618002-7r1	16-Jul	\$ 8,557.00
DPW PP-1	SCOT240618002-2R1	16-Jul	\$ 8,635.00
DPW LP-C	SCOT240618002-4r1	16-Jul	\$ 8,780.00
DP-X	SCOT240618002-3r1	16-Jul	\$ 16,135.00
DPW 800A	SCOT240618002-1R1	16-Jul	\$ 29,103.00
RP-E	SCOT240618002-6r1	16-Jul	\$ 9,015.00
RP-D	SCOT240618002-5r1	16-Jul	\$ 8,903.00
DPW CIRCUIT TRACE	SCOT240716001	16-Jul	\$ 23,122.00

- 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 Fleet Maintenance Capital Fund under project number 2025C0079 for the 2025 fiscal year. Expenditures will be charged to account number 661.571.565.975.900.

Recommendation

City Management recommends awarding a contract for the Department of Public Works Electrical Distribution Upgrades to *Shaw Systems of Southfield, MI* for an estimated cost of \$131,180 plus additional fees per DTE, as per the Oakland County Extended Purchasing Contract #010460; not to exceed budgetary limitations.



Proposal & Scope of Work

Date: 7/26/2024

Proposal ID: SCOT240618002-8r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW LP-B PANEL UPDATE

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing recessed panel board
 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42-circuit surface mount panel board and branch breakers
 Furnish and install (1) fabricated surface mounted extension ring, to extend panel out no greater than 1.25" flush from wall
 Splice conductors to extend to new terminations

Labor	\$4,199.00
Equipment	\$534.00
Material	\$4,732.00
Total Offering Price:	\$9,465.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed on Saturday during off hours
 Work will be billed time and material, cost plus per contract at standard contract rates

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

CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH, 2026

PROJECT:	CITY OF TROY	SHAW PROJECT #:	XXXX
QUOTE FOR:	XXXX	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	PER PROVIDED SCOPE- PANEL LP-B	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	Panel Board and Branch Breakers		\$1,660
	Conduit, Wire, rework Materials	0	\$2,150
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$572
	ESCALATION(CONTINGENCY)	8%	\$351
	MATERIAL TOTAL		<u>\$4,732</u>
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN
	4 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN
	24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN
	0 HOURS @ Double		\$0
	0 HOURS @ "	\$ 162.00	ELECTRICIAN
	0 HOURS @ "	\$ 189.00	SERVICE ELECTRICIAN
SUPERVISION - 8% OF DIRECT LABOR HOURS (DETAILING, LOGISTICS) or PER ATTACHED SHEETS AS DIRECT LABOR			
	0.3 HOURS @ Straight	\$ 122.00	\$39
	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
	LABOR TOTAL		<u>\$4,199</u>
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY
	0 HOURS	\$ 80.00	BIM COORDINATOR/PLOTS/DWGS
	0 HOURS	\$ 65.00	ADMINISTRATIVE ASSISTANT
DIRECT JOB EXPENSES / SMALL TOOLS / SAFETY / CONSUMMABLES / FIRST AID			
	AS PERCENT @	0.0%	OF LABOR ABOVE TOTAL
	or AS ITEMIZED ON THE DJE CHECKLIST SHEET (Page 2 of 2)		\$0
	DIRECT JOB EXPENSES TOTAL		<u>\$534</u>
			\$9,465
		0%	\$0
SUBCONTRACTORS			
	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			\$9,465



Proposal & Scope of Work

Date: 7/26/2024

Proposal ID: SCOT240618002-9r1

TO: DENNIS TRANTHAM

City of Troy
4695 Rochester Road
Troy, MI 48085

FROM: Eric J Peterson

PROJECT: COT DPW LP-A PANEL UPDATE

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 checked="" type="checkbox"/>	<input 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>

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SCOPE OF WORK:

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 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42-circuit surface mount panel board and branch breakers
 Furnish and install (1) fabricated surface mounted extension ring, to extend panel out no greater than 1.25" flush from wall
 Splice conductors to extend to new terminations

Labor	\$4,199.00
Equipment	\$534.00
Material	\$4,732.00
Total Offering Price:	\$9,465.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed on Saturday during off hours
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Eric J Peterson

Shaw Service & Maintenance

Standard Terms & Conditions

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7. The price includes a warranty as specified in the Bid Documents. No other warranty is expressed or implied.



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

PROJECT:	CITY OF TROY	SHAW PROJECT #:	XXXX
QUOTE FOR:	XXXX	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	PER PROVIDED SCOPE- PANEL LP-A	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	Panel Board and Branch Breakers		\$1,660
	Conduit, Wire, rework Materials	0	\$2,150
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$572
	ESCALATION(CONTINGENCY)	8%	\$351
	MATERIAL TOTAL		\$4,732
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN
	4 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN
	24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN
	0 HOURS @ Double		\$0
	0 HOURS @ "	\$ 162.00	ELECTRICIAN
	0 HOURS @ "	\$ 189.00	SERVICE ELECTRICIAN
SUPERVISION - 8% OF DIRECT LABOR HOURS (DETAILING, LOGISTICS) or PER ATTACHED SHEETS AS DIRECT LABOR			
	0.3 HOURS @ Straight	\$ 122.00	\$39
	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
	LABOR TOTAL		\$4,199
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY
	0 HOURS	\$ 80.00	BIM COORDINATOR/PLOTS/DWGS
	0 HOURS	\$ 65.00	ADMINISTRATIVE ASSISTANT
DIRECT JOB EXPENSES / SMALL TOOLS / SAFETY / CONSUMMABLES / FIRST AID			
	AS PERCENT @	0.0%	OF LABOR ABOVE TOTAL
	or AS ITEMIZED ON THE DJE CHECKLIST SHEET (Page 2 of 2)		\$0
	DIRECT JOB EXPENSES TOTAL		\$534
			\$9,465
		0%	\$0
SUBCONTRACTORS			
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$9,465



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-7r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW Garage Panel Panel Update

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 225a 208/120v Panel Board
 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42 circuit, NEMA 1 surface mount panel board with the following branch breakers:
 (42) BAB1020
 Splice conductors to extend to new terminations

Labor	\$5,253.00
Equipment	\$534.00
Material	\$2,770.00
Total Offering Price:	\$8,557.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

Eric J Peterson

Shaw Service & Maintenance



Proposal & Scope of Work

Standard Terms & Conditions

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7. The price includes a warranty as specified in the Bid Documents. No other warranty is expressed or implied.



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

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT240618002-7
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW Garage Panel Update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	Panel Board and Branch Breakers		\$1,480
	Wire and Conduit (Estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$335
	ESCALATION(CONTINGENCY)	8%	\$205
	MATERIAL TOTAL		\$2,770
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN \$0
	12 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN \$1,464
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN \$0
	24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN \$3,672
	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			
	1.0 HOURS @ Straight	\$ 122.00	\$117
	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		\$5,253
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY \$384
	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		\$534
			\$8,557
		0%	\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$8,557



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-2 r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW PP-1 PANEL UPDATE

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 400a 208/12v Panel board
 Furnish and install (1) Eaton PRL1 panel board, 400a 208/120v MLO, AL Bussing, 42 circ. NEMA 1 Surface Mount
 With the following branch breakers installed:
 (12) BAB3030H
 (2) BAB3100H
 Splice conductors to extend to new terminations

Labor	\$4,114.00
Equipment	\$534.00
Material	\$3,987.00
Total Offering Price:	\$8,635.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

Eric J Peterson

Shaw Service & Maintenance

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CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH, 2026

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT240618002-2
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW- PP-1 panel update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	NEW EATON PANEL BOARD, LOADED		\$2,460
	Conduit and Wire (Estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$482
	ESCALATION(CONTINGENCY)	8%	\$295
	MATERIAL TOTAL		\$3,987
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN \$0
	8 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN \$976
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN \$0
	20 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN \$3,060
	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			
	0.6 HOURS @ Straight	\$ 122.00	\$78
	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		\$4,114
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROATATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY \$384
	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		\$534
		0%	\$8,635
			\$0
SUBCONTRACTORS			
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$8,635



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-4r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW LP-C Panel Update

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 225a 208/120v Panel Board
 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42 circuit, NEMA 1 surface mount panel board with the following branch breakers:
 (4) BAB3030H
 (30) BAB1020
 Splice conductors to extend to new terminations

Labor	\$5,253.00
Equipment	\$534.00
Material	\$2,993.00
Total Offering Price:	\$8,780.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

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

CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH, 2026

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT240618002-4
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW LP-C Update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	PRL1 Panel Board , Loaded		\$1,660
	Conduit and Wire (Estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$362
	ESCALATION(CONTINGENCY)	8%	\$222
	MATERIAL TOTAL		\$2,993
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN \$0
	12 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN \$1,464
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN \$0
	24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN \$3,672
	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			
	1.0 HOURS @ Straight	\$ 122.00	\$117
	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		\$5,253
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY \$384
	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		\$534
			\$8,780
		0%	\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$8,780



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-3r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW DP-X Panel Update

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 400a 208/120v Panel board
 Furnish and install (1) 400a MLO 208/120v 3p 4w NEMA 1 w/ the following fusible switches installed:
 (1) QMB324W, 200a 240v 3p
 (3) QMB323TW 100/100a twin 240v 3p
 (1) QMB322TW 60/60a twin 240v 3p
 Splice conductors to extend to new terminations

Labor	\$4,420.00
Equipment	\$1,034.00
Material	\$10,681.00
Total Offering Price:	\$16,135.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

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

CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH, 2026

PROJECT:	CITY OF TROY	SHAW PROJECT #:	XXXX
QUOTE FOR:	XXXX	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	PER PROVIDED SCOPE	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	SQD OMB Switchboard w/ fusible switches		\$7,850
	Conduit and Wire (Estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX) 15%		\$1,290
	ESCALATION(CONTINGENCY) 8%		\$791
	MATERIAL TOTAL		\$10,681
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ " \$ 99.00	ELECTRICIAN	\$0
	8 HOURS @ " \$ 122.00	SERVICE ELECTRICIAN	\$976
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ " \$ 129.00	ELECTRICIAN	\$0
	22 HOURS @ " \$ 153.00	SERVICE ELECTRICIAN	\$3,366
	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			
	0.6 HOURS @ Straight \$ 122.00		\$78
	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		\$4,420
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$500
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS \$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY	\$384
	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		\$1,034
			\$16,135
		0%	\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @ 5%		\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$16,135



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-1R1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW 800a Distribution Upgrade

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:

Demolition and removal of (1) existing 800a Distribution Panel
 Furnish and install (1) 800a Distribution Panel with the following fusible switches installed:
 (2) 100/100a 240v 3p
 (2) 200/200a 240v 3p
 (2) 60/60a 240v 3p

Splice conductors to extend to new terminations

Labor	\$6,215.00
Equipment	\$842.00
Material	\$22,046.00

Total Offering Price: \$29,103.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

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
 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 #:	SCOT240618002-1
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW- 800a DP Update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		

MATERIAL	800a Switchboard with Fusible Switches		\$14,750
	Wire and Conduit (estimated)	0	\$3,000
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$2,663
	ESCALATION(CONTINGENCY)	8%	\$1,633
	MATERIAL TOTAL		\$22,046

DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
0 HOURS @ Straight			\$0
4 HOURS @ "	\$ 99.00	ELECTRICIAN	\$396
16 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN	\$1,952
0 HOURS @ Time & 1/2			\$0
0 HOURS @ "	\$ 129.00	ELECTRICIAN	\$0
24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN	\$3,672
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			
1.6 HOURS @ Straight	\$ 122.00		\$195
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			\$6,215

DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT	8	\$500
	FLUKE CABLE TESTER		\$0
	SAFETY BARRICADES		\$0
	MEGGER, PHASE ROTATION, CIRCUIT TRACER		\$150
	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 @ 0.0%	OF LABOR ABOVE TOTAL	\$0
	or AS ITEMIZED ON THE DJE CHECKLIST SHEET (Page 2 of 2)		\$0
	DIRECT JOB EXPENSES TOTAL		\$842

	0%		\$29,103
			\$0

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

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

TOTAL PRICE FOR THIS QUOTATION			\$29,103
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Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-6r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW RP-E Panel Update

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 225a 208/120v Panel Board
 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42 circuit, NEMA 1 surface mount panel board with the following branch breakers:

- (1) BAB1030
- (3) BAB2030
- (1) BAB3030H
- (23) BAB1020
- (3) BAB3020H

Splice conductors to extend to new terminations

Labor	\$5,487.00
Equipment	\$534.00
Material	\$2,993.00
Total Offering Price:	\$9,015.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

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

CITY OF TROY BULLETIN BREAKDOWN THROUGH JUNE 30TH, 2026

PROJECT:	CITY OF TROY	SHAW PROJECT #:	SCOT240618002-6
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW RP-E Panel Update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	PRL1 Panel board and branch breakers		\$1,660
	Conduit and Wire (Estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$362
	ESCALATION(CONTINGENCY)	8%	\$222
	MATERIAL TOTAL		\$2,993
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ " \$ 99.00	ELECTRICIAN	\$0
	12 HOURS @ " \$ 122.00	SERVICE ELECTRICIAN	\$1,464
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ " \$ 129.00	ELECTRICIAN	\$0
	24 HOURS @ " \$ 153.00	SERVICE ELECTRICIAN	\$3,672
	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			
	2.9 HOURS @ Straight \$ 122.00		\$351
	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		\$5,487
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS \$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY	\$384
	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		\$534
			\$9,015
		0%	\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$9,015



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240618002-5r1

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW RP-D Panel Update

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 checked="" type="checkbox"/>	<input 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:

Demolition and removal of (1) existing 225a 208/120v Panel Board
 Furnish and install (1) 225a 208/120v MLO, AL Bussing, 42 circuit, NEMA 1 surface mount panel board with the following branch breakers:
 (1) BAB3030H
 (1) BAB3020H
 (36) BAB1020
 Splice conductors to extend to new terminations

Labor	\$5,487.00
Equipment	\$534.00
Material	\$2,881.00
Total Offering Price:	\$8,903.00

EXCLUSIONS & ASSUMPTIONS:

Work will be performed Monday-Friday with overtime needed during final shutdown and installation
 Work will be billed time and material, cost plus per contract at standard rates

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
 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 #:	SCOT240618002-5
QUOTE FOR:	Dennis Trantham	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	COT DPW RP-D Panel Update	SHAW QUOTE DATE:	6/12/2023
PLANS ISSUED:	n/a		
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	PANEL BOARD AND BREAKERS		\$1,570
	Conduit and Wire (estimated)	0	\$750
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$348
	ESCALATION(CONTINGENCY)	8%	\$213
	MATERIAL TOTAL		\$2,881
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
	0 HOURS @ Straight		\$0
	0 HOURS @ "	\$ 99.00	ELECTRICIAN \$0
	12 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN \$1,464
	0 HOURS @ Time & 1/2		\$0
	0 HOURS @ "	\$ 129.00	ELECTRICIAN \$0
	24 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN \$3,672
	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			
	2.9 HOURS @ Straight	\$ 122.00	\$351
	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		\$5,487
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
	EXCAVATOR/TRENCHING EQUIPMENT		\$0
	RIGGING / HOISTING / LULL / FORKLIFT		\$0
	FLUKE CABLE TESTER		\$0
	CIRCUIT TRACER, MEGGER, PHASE ROTATION		\$150
	CORING		\$0
	POWER LOGGER		\$0
	PERMIT		\$0
ENGINEERING / DOCUMENT MAINTENANCE			
	4 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY \$384
	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		\$534
			\$8,903
		0%	\$0
SUBCONTRACTORS			
			\$0
	X		\$0
	x		\$0
	x		\$0
	SUBCONTRACTOR TOTAL		\$0
	FEE ON SUBS @	5%	\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$8,903



Proposal & Scope of Work

Date: 7/16/2024

Proposal ID: SCOT240716001

TO: DENNIS TRANTHAM
 City of Troy
 4695 Rochester Road
 Troy, MI 48085

FROM: Eric J Peterson
PROJECT: COT DPW Circuit Trace and Labeling

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 checked="" type="checkbox"/>	<input 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:

Shaw will use the allotted labor to circuit trace and correct the mislabeled panel schedules, circuits, outlets, etc noted at time of walkthrough
 Shaw will relabel outlets and other electrical throughout the DPW
 Shaw will provide updated panel schedules upon completion
 The following panels will be made priority: PP1, DPx, LPC, RPD, RPE, Streets garage panel
 Records of work completed will be provided to the city for record keeping
 Work will take place primarily after hours and Saturdays to minimize impact on operations
 While tracing the building, Shaw will note any additional electrical issues and provide proposals for corrections
 An updated one-line diagram of the electrical system including panels referenced above and also including disconnects, the 800a DP, transformers and other electrical gear will be created and provided upon completion of the project

Labor	\$19,958.00
Equipment	\$2,977.00
Material	\$186.00
Total Offering Price:	\$23,122.00

EXCLUSIONS & ASSUMPTIONS:

Majority of work will be completed off-hours and Saturdays to minimize operational impact to DPW
 Work will be billed time and material, cost plus per contract at standard rates

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.



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 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 #:	XXXX
QUOTE FOR:	XXXX	SHAW MMS RFC #:	
DATED:	6/12/2023	SHAW REVISION #:	0
DESCRIPTION:	Shaw will use the allotted hours to circuit trace, create updated panel schedules and label electrical equipment, outlets, etc. appropriately to bring the electrical system at DPW up to date label wise. Shaw will provide records of work completed for COT.		
PLANS ISSUED:	n/a	SHAW QUOTE DATE:	6/12/2023
SPECS. ISSUED:	"		
SKETCHES ISSUED:	"		
QTY ELEC/TECH DWGS ISSUED:	0		
MATERIAL	<u>misc materials</u>		\$150
		0	\$0
		0	\$0
	MARKUP(INCLUDING USE TAX)	15%	\$23
	ESCALATION(CONTINGENCY)	8%	\$14
	MATERIAL TOTAL		\$186
DIRECT INSTALLATION LABOR COST - PER ATTACHED SHEETS			
0 HOURS @ Straight			\$0
0 HOURS @ "	\$ 99.00	ELECTRICIAN	\$0
40 HOURS @ "	\$ 122.00	SERVICE ELECTRICIAN	\$4,880
0 HOURS @ Time & 1/2			\$0
0 HOURS @ "	\$ 129.00	ELECTRICIAN	\$0
96 HOURS @ "	\$ 153.00	SERVICE ELECTRICIAN	\$14,688
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			
3.2 HOURS @ Straight	\$ 122.00		\$390
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			\$19,958
DJE EQUIPMENT - LARGE OR SPECIAL TOOLING			
EXCAVATOR/TRENCHING EQUIPMENT			\$0
RIGGING / HOISTING / LULL / FORKLIFT			\$0
LABEL MAKER WITH LABELS			\$75
CIRCUIT TRACER, MEGGER, PHASE ROTATION			\$150
CORING			\$0
POWER LOGGER			\$0
PERMIT			\$0
ENGINEERING / DOCUMENT MAINTENANCE			
12 HOURS	\$ 96.00	SERVICE ENGINEER/FIELD DETAIL/SURVEY	\$1,152
20 HOURS	\$ 80.00	BIM COORDINATOR/PLOTS/DWGS	\$1,600
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			\$2,977
			\$23,122
	0%		\$0
SUBCONTRACTORS			
			\$0
X			\$0
x			\$0
x			\$0
SUBCONTRACTOR TOTAL			\$0
FEE ON SUBS @	5%		\$0
PLM BOND / INSURANCE COSTS			\$0
TOTAL PRICE FOR THIS QUOTATION			\$23,122