

BID TAB FOR: North Generator and Substation Improvements

FILE NO. 2014-033-00

BID DATE: April 22, 2015

CODE: 50002-WC0069

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Thompson Electric		**2. J.W. Didado Electric	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	CONTRACT PERFORMANCE BOND	1	L.S.	\$10,000.00	\$10,000.00	\$3,700.00	\$3,700.00	\$8,050.00	\$8,050.00
2	624	MOBILIZATION	1	L.S.	\$25,000.00	\$25,000.00	\$2,500.00	\$2,500.00	\$45,890.00	\$45,890.00
3	SPEC	4.16 KV SWITCHGEAR MODIFICATIONS AND ADDI	1	L.S.	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$383,190.00	\$383,190.00
4	SPEC	ELECTRICAL CABLING	1	L.S.	\$28,500.00	\$28,500.00	\$30,000.00	\$30,000.00	\$45,920.00	\$45,920.00
5	SPEC	COMMUNICATIONS CABLING	1	L.S.	\$35,000.00	\$35,000.00	\$10,000.00	\$10,000.00	\$30,010.00	\$30,010.00
6	SPEC	PROGRAMMABLE AUTOMATION CONTROLLER AN	1	L.S.	\$40,000.00	\$40,000.00	\$34,400.00	\$34,400.00	\$66,330.00	\$66,330.00
7	SPEC	NEUTRAL GROUNDING RESISTOR	1	L.S.	\$12,000.00	\$12,000.00	\$8,000.00	\$8,000.00	\$7,900.00	\$7,900.00
8	SPEC	CATALYTIC CONVERTER INSTALLATIONS NORTH	1	L.S.	\$125,000.00	\$125,000.00	\$100,000.00	\$100,000.00	\$146,810.00	\$146,810.00
9	SPEC	NORTH GENERATOR MAINTENANCE REPAIRS	1	L.S.	\$10,000.00	\$10,000.00	\$30,400.00	\$30,400.00	\$9,500.00	\$9,500.00
10	SPEC	69 KV SUBSTATION IMPROVEMENTS	1	L.S.	\$85,000.00	\$85,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00
		Architectural & Electrical Finishes Re-Work Allowance - Bidders shall presume that any architectural and/or electrical finishes re-work necessitated by the removal of existing conduit, equipment, or work of this project shall be considered incidental to the item necessitating the work. This bid item shall include an additional Architectural & Electrical Finishes Re-Work Allowance of \$34,700 to be used at the discretion of the City of Akron for additional Architectural & Electrical Finishes Re-Work above and beyond what is necessitated by the project.								
11	SPEC	project.	1	ALLOW	\$34,700.00	\$34,700.00	\$34,700.00	\$34,700.00	\$34,700.00	\$34,700.00
<b>TOTAL CONSTRUCTION COSTS</b>						<b>\$755,200.00</b>		<b>\$638,700.00</b>		<b>\$813,300.00</b>
<b>+/- ENGINEER'S ESTIMATE</b>								<b>-15.4%</b>		<b>+7.7%</b>

\* Ref #3 correction initialed but not dated. Ref #6 correction not initialed or dated.

\*\* Both EEO Forms are incomplete.

ESTIMATE OF PROJECT COSTS															
PROJECT: NORTH GENERATOR AND SUBSTATION IMPROVEMENTS											March 13, 2015				
CODE NUMBER: 50002-WC0069															
FILE NUMBER: 2014-033-00															
BID DATE: 04/22/2015															
Engineer's Estimate of cost for the installation of (2) 1200A circuit breakers in the existing 4,160 volt Main Switchgear and connecting the outputs of the North and South Generators to these new breakers, installing catalytic converters on the North and South Generators, performing maintenance repairs on the North Generator, replacing two (2) 69 KV air break switches, installing all electrical and communications cabling, integrating new communications equipment into an existing SCADA system at a 69 KV - 4.16 KV Substation at the Akron Water Plant, 1570 Ravenna Road, Kent, Ohio 44240.															
REF.	ITEM	DESCRIPTION	QUAN.	UNITS	PRICE	AMOUNT	SPLIT	COMMON ITEMS	CITY			UTILITIES		CITY SPECIAL	FULL DEPTH RECONSTR.
									WCF	SCF	SLA	OE	AT&T	TWC	
103.05		CONTRACT PERFORMANCE BOND	1	L.S.	\$10,000.00	\$10,000.00									
624		MOBILIZATION	1	L.S.	\$25,000.00	\$25,000.00									
SPEC		4.16 KV SWITCHGEAR MODIFICATIONS AND ADDITIONS	1	L.S.	\$350,000.00	\$350,000.00									
SPEC		ELECTRICAL CABLING	1	L.S.	\$28,500.00	\$28,500.00									
SPEC		COMMUNICATIONS CABLING	1	L.S.	\$35,000.00	\$35,000.00									
SPEC		PROGRAMMABLE AUTOMATION CONTROLLER AND SYSTEM INTEGRATION	1	L.S.	\$40,000.00	\$40,000.00									
SPEC		NEUTRAL GROUNDING RESISTOR	1	L.S.	\$12,000.00	\$12,000.00									
SPEC		CATALYTIC CONVERTER INSTALLATIONS NORTH AND SOUTH GENERATORS	1	L.S.	\$125,000.00	\$125,000.00									
SPEC		NORTH GENERATOR MAINTENANCE REPAIRS	1	L.S.	\$10,000.00	\$10,000.00									
SPEC		69 KV SUBSTATION IMPROVEMENTS	1	L.S.	\$85,000.00	\$85,000.00									
SPEC		Architectural & Electrical Finishes Re-Work Allowance - Bidders shall presume that any architectural and/or electrical finishes re-work necessitated by the removal of existing conduit, equipment, or work of this project shall be considered incidental to the item necessitating the work. This bid item shall include an additional Architectural & Electrical Finishes Re-Work Allowance of \$34,700 to be used at the discretion of the City of Akron for additional Architectural & Electrical Finishes Re-Work above and beyond what is necessitated by the project.	1	ALLOW	\$34,700.00	\$34,700.00									
		Totals						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Prorated Common Items						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Total Estimated Construction Cost				\$755,200.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PROPERTY'S PORTION

1995 RATE SCHEDULE OF ASSESSMENTS

Paving	0.00	L.F.	\$26.50		\$0.00
Charitable Use	0.00	L.F.	\$13.25		\$0.00
Sidewalks	0.00	L.F.	\$13.50		\$0.00
Curbs	0.00	L.F.	\$10.75		\$0.00
Drive Approaches	0	S.F.	\$1.90		\$0.00
Drain Pipe	0	Each	\$20.00		\$0.00
Storm Sewer	0.00	L.F.	\$22.00		\$0.00
Storm Laterals	0	EACH	\$550.00		\$0.00
Sanitary Sewer	0.00	L.F.	\$22.00		\$0.00
Sanitary House Laterals	0	Each	\$550.00		\$0.00
Water Mains	0.00	L.F.	\$24.00		\$0.00
Water Mains (per \$3.04/k)	0.00	L.F.	\$10.50		\$0.00
Water Service Connections	0	Each	\$580.00		\$0.00
Resurfacing					
Residential	0.00	L.F.	\$6.65		\$0.00
Arterial/Collector	0.00	L.F.	\$7.00		\$0.00
Residential Use	0.00	L.F.	\$3.50		\$0.00
Charitable Use	0.00	L.F.	\$3.50		\$0.00
Full Depth Reconstruction	\$0.00		50%		\$0.00
Total Estimated Property's Portion					\$0.00

AKRON FUNDING SOURCES

WATER CAPITAL FUND

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Direct Purchase of Water Main by DBE	#REF!
Total Water Capital Fund	#REF!

SEWER CAPITAL FUND

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Less Assessments for Sanitary Sewers	\$0.00
Less Assessments for Sanitary Laterals	\$0.00
Total Sewer Capital Fund	\$0.00

STREET LIGHT FUND

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Total Street Light Fund	\$0.00

PROJECT COST SUMMARY

Total Estimated Construction Cost	\$755,200.00
Contingency @ 5%	\$37,760.00
Consultant Design	\$0.00
Engineering - Design	\$0.00
Supplemental Services (Emerald Environmental)	\$0.00
Construction - Inspection @ 10%	\$79,296.00
Advertising	\$1,500.00
Total Estimated Project Cost	\$873,756.00

SUMMARY OF FUNDING SOURCES

City of Akron

Water Capital Fund	\$873,756.00
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Total Estimated Project Cost

\$873,756.00

**BIDDING SCHEDULE FOR: North Generator and Substation Improvements**

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	103.05	CONTRACT PERFORMANCE BOND	1	L.S.		
2	624	MOBILIZATION	1	L.S.		
3	SPEC	4.16 KV SWITCHGEAR MODIFICATIONS AND ADDITIONS	1	L.S.		
4	SPEC	ELECTRICAL CABLING	1	L.S.		
5	SPEC	COMMUNICATIONS CABLING	1	L.S.		
6	SPEC	PROGRAMMABLE AUTOMATION CONTROLLER AND SYSTEM INTEGRATION\	1	L.S.		
7	SPEC	NEUTRAL GROUNDING RESISTOR	1	L.S.		
8	SPEC	CATALYTIC CONVERTER INSTALLATIONS NORTH AND SOUTH GENERATORS	1	L.S.		
9	SPEC	NORTH GENERATOR MAINTENANCE REPAIRS	1	L.S.		
10	SPEC	69 KV SUBSTATION IMPROVEMENTS	1	L.S.		
11	SPEC	Architectural & Electrical Finishes Re-Work Allowance - Bidders shall presume that any architectural and/or electrical finishes re-work necessitated by the removal of existing conduit, equipment, or work of this project shall be considered incidental to the item necessitating the work. This bid item shall include an additional Architectural & Electrical Finishes Re-Work Allowance of \$34,700 to be used at the discretion of the City of Akron for additional Architectural & Electrical Finishes Re-Work above and beyond what is necessitated by the project.	1	ALLOW	\$34,700.00	\$34,700.00
<b>UNOFFICIAL CONSTRUCTION COST:</b>						
<b>PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.</b>						

DENOTES LUMP SUM - UNIT PRICE  
NEED NOT BE COMPLETED

**BIDDING SCHEDULE CONTINUED ON NEXT PAGE**

CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
CODE \_\_\_\_\_  
FINANCE DEPT. NO. \_\_\_\_\_

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REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
CODE \_\_\_\_\_  
FINANCE DEPT. NO. \_\_\_\_\_

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REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE**

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
 DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 CODE \_\_\_\_\_  
 FINANCE DEPT. NO. \_\_\_\_\_

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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This is to certify that the work as listed above has been completed in accordance with the contract documents, that all items are paid for which previous certificates for payment were issued and payments received, and that the current payment is now due.

TOTAL COMPLETED TO DATE \_\_\_\_\_  
 STORED MATERIALS \_\_\_\_\_  
 TOTAL COMPLETED & STORED \_\_\_\_\_  
 LESS \_\_\_\_\_ RETAINAGE \_\_\_\_\_  
 TOTAL EARNED LESS RETAINAGE \_\_\_\_\_  
 LESS PREVIOUS PAYMENTS \_\_\_\_\_  
 LESS ADDITIONAL DEDUCTIONS \_\_\_\_\_  
 CURRENT PAYMENT DUE \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
 CONSTRUCTION ENGINEER

DATE: \_\_\_\_\_

PAYROLLS REVIEWED/QUANTITIES CHECKED BY:

\_\_\_\_\_ PROJECT MANAGER

APPROVED: \_\_\_\_\_  
 CITY ENGINEER

DATE: \_\_\_\_\_

DATE OF PROJECT WORK ACCEPTANCE \_\_\_\_\_