ORDINANCE NO. 02-49 AC CMS

AN ORDINANCE AUTHORIZING A CHANGE ORDER TO THE CONTRACT
WITH LAKE ERIE ELECTRIC, INC., OF WESTLAKE, OHIO FOR ADDITIONAL ELECTRICAL
WORK FOR THE OBERLIN WATER ENVIRONMENT PROTECTION FACILITY PROJECT FOR
THE PUBLIC WORKS DEPARTMENT AND DECLARING AN EMERGENCY

BE IT ORDAINED by the Council of the City of Oberlin, County of Lorain, State of Ohio, five-sevenths (5/7ths) of all members elected thereto concurring:

SECTION 1. That the City Manager is hereby authorized and directed to authorize additional work pursuant to the contract with Lake Erie Electric, Inc., of Westlake, Ohio, for improvements to the Oberlin Water Protection Facility for additional electrical work in the amount of \$11,898.94 in accordance with the change order attached hereto and incorporated herein by reference.

SECTION 2. It is hereby found and determined that all formal actions of this Council concerning or related to the adoption of this Ordinance were adopted in an open meeting of this Council and that all deliberations of this Council and of any of its committees that resulted in such formal action, were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 3. That this Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, safety, and welfare of the citizens of Oberlin, Ohio, to wit:

"to authorize necessary additional work which was discovered during construction and to provide for the usual daily operation of a municipal department", and shall take effect immediately upon passage.

PASSED:

1st Reading - April 15, 2002 (E)

2nd Reading – 3rd Reading –

ATTEST:

CHAIR OF COUNCIL

POSTED: April 16, 2002

EFFECTIVE DATE: April 16, 2002

a:/ORD02-49CQLakeErie

CDM

1100 Superior Avenue Suite 620 Cleveland, Ohio 44114 Phone: (216) 579-0404

Fax: (216) 579-0414

MEMORANDUM

To: Jeff Baumann, City of Oberlin

Maria Wossilek, City of Oberlin Mark Stedfeld, OEPA-DEFA Roland Roberts, OEPA-DEFA

From: Ed St. John

Subject: Oberlin WEPF Improvements Project – Change Order 9 - Items 9.1 through

9 4 for Contract 96-2 (Lake Erie Electric, Inc.)

Date: 8 April 2002

File: 20653 - 33976

No. of Pages: 2

The purpose of this memorandum is to describe each item in Change Order 9 and to identify associated costs. This change order increases the scope of work of the above referenced Contract and warrants additional compensation to the Contractor – Lake Erie Electric, Inc. Support documentation and Contractor's cost estimates for each item are attached to this memo. Authorization of Change Order 9 by the Oberlin City Council is anticipated on April 15, 2002.

- 9 1 Grit Building Panel and Transformer Replacement The original design assumed the existing lighting panel was large enough to handle the existing and new equipment to be powered from the Grit Building. A new larger lighting panel and transformer is required to power all of the single phase loads in the grit facility. The scope of work for this item includes furnishing and installing a new larger light panel and transformer in the Grit Building. The cost for this item is \$6,585.04.
- 9.2 Relocate Grit Building Instrumentation Wiring Three influent monitoring instruments pH, temperature, and flowmeter were originally intended to be powered from one circuit in the lighting panel. Plant staff preferred to have these instruments powered from separate circuits and be protected from surges and outages. Lake Erie Electric did a quick search and found that the PLC panel in the Grit Building had sufficient spare circuits to support these three instruments and that these circuits would then have surge protection and be protected from power outages by a UPS. This will protect these instruments from surges and from one instrument taking out all three due to a short. The scope of work for this item includes disconnecting, rerouting, and reconnecting the power wiring for these three instruments. The cost for this item is \$271.41.

9.3 – Add Cables to RAS Building – The original design did not include any spare signal wires in a new conduit installed from the South Blower Building to the RAS Building. Additional signals have already been identified demonstrating the need for spare instrumentation wiring. The scope of work of this item includes running an additional 8 pairs of instrumentation signal wire in the new conduit. The scope of work for this item includes disconnecting the existing instrumentation wiring, pulling it out of the conduit, pulling the existing and new wiring through the conduit, reconnecting the existing wiring, and tagging the new wiring. The cost for this item is \$3,690.95

9.4 – Rework Conduit and Wire to Influent Flowmeter Transducer – The original arrangement had the influent flow meter totalizer located in the Lab Building. The totalizer has instead been located in the Grit Building so there is no longer any need for the signal wiring to go to the Lab Building. The scope of work of this item removes the loop of instrumentation wiring going to the Lab. The cost for this item is \$1,351,54.

Total cost for Change Order 9 = \$ 11,898.94



Contractors and Engineers

ISO 9002 Registered

25730 First Street, PO Box 450859, Westlake, Onio 44145, Phone, 440-833-5565, Fax: 440-835-5686

Extablished 1952

Camp, Dresser & McKee 1100 Superior Ave., Suite 620 Cleveland, OH 44114

Attention:

Mr. Edward J. St. John, P.E.

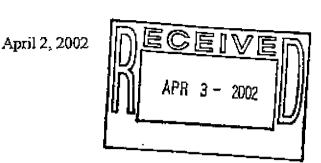
Reference:

Water Environment Projection Facility

City of Oberlin

Replace Grit Bldg, Panel & Transformer

Our Estimate No. 110-126-E47



Gentlemen:

We propose to furnish the necessary material, labor, supervision, and tools for the above referenced project for the LUMP SUM amount of:

Our breakdown is as follows:

Labor:	55 hrs. @ \$35.19	=	\$1,935.45
Insurance & Tax:	÷ 21.61%	=	418.25
Consumable Material:	+ 4%	=	77.42
Tools (Less than \$1000.)	55 hrs. @ \$2.00	=	110.00
Material:		=	3.185.00
Cost:			\$5,726.12
Overhead & Profit:	+ 15%	#	<u>858.92</u>
'Total Addition:			\$6.585.04

We thank you for the opportunity of submitting this proposal and trust it will merit your favorable consideration.

Sincerely,

LAKE ERIE ELECTRIC, INC.

Mark G. Keller Project Manager

/te

PRO. TASk	SITE POWER REVISIONS GRIT BLDG LIGHTING PANEL		ĒST No, DWG No		110-120-E47	-	PAGE DATE	22 3′28/02
LINE	DESCRIPTION	QUANTITY		MATER PER	RIAL EXTENSION	MAN HRS.	LABO	
1 2 3 4 5	REPLACE EXISTING LIGHTIG PANEL AND TRANSFORMER IN GRIT BLDG WITH NEMA 4 PANEL							
6 7 8 9	DOWN LOAD PANEL CKT'S, OPEN UP AND REMOVE PANEL COVER IDENTIFY, TAG & DISC 1/C WIRES PULL WIRING BACK AWAY FROM	1 30	0.00 0.25	E	0 00 7.50	1.00 0.08	E E	1,00 2 40
10 11	PANEL & DISC. EXISTING CONDUITS REMOVE OLD LIGHTING PANEL	1	0.00	E	0 00 0 00	2 00 1,00	E	2 00 1 00
12 13 14 15	DISC & REMOVE 5 KVA XFMR DEMO XFMR CONDUIT & WIRE	1	0 00 0 00	E	0.00 00 0	1,50 1,00	E	1 50 1 00
16 17 18	ASSEMBLE & INSTALL NEW 150 A 120 / 240 V. NEMA 4 PANEL PANEL SUPT. & NAME TAG	1	2,235 00 18,75	स्म स्म	2,235,00 18,75	8,00 1 QQ	Е	8 00 1 00
19 20 21	REWORK CONDUITS INTO PANEL PULL IN & RETERMINATE WIRES	6 30	12 50 0 25	E	75 00 7 50	0 70 0 12	E	4 20 3.60
22 23 24 25 26 27	ASSEMBLE & INSTALL NEW 25 KVA 480 V. TO 120 / 240 V. XFMR, MOUNTING SUPT. GROUND XFMR. TO BLDG. STEEL	1 1	490 00 25 00 30.00		490 00 25 00 30,00	4 00 1 30 2 00	шшш	4 00 1 30 - 2,00
28 29 30 31 32 33 34	(NEW CONDUIT & WIRE FOR XFMR) 1/C #10 XHHW 600 V. CU. WIRE 1/C #6 XHHW 600 V. CU. WIRE 1/C #2/0 XHHW 600 V. CU. WIRE TERMINATE 1/C #10 TERMINATE 1/C #6 TERMINATE 1/C #2/0	30 100 30 2 6	160 00 225.63 952.08 0,40 0.70 3 00	E	4 80 22.55 28 55 0 80 4,20 18 00	12.00 16.00 26 00 0 15 0 25 0.65	22 S E E E	0 36 1,60 0 78 0 30 1 50 3,90
35 36 37 38 39 40 41	1" RIDGED ALUM CONDUIT 1" RIDGED CONDUIT SUPT. 1" CONDIT TERMINATION 1" RIDGED 90 ELL W/ COUP 1" ALUM LB CONDULET W/ COVER 1" X 24" SEALTITE W/ 2 - CONN.	20 3 2 1 1	110 00 2 25 3 50 5 43 12,60 16,55	E	22,00 6,75 7,00 5,43 12,60 16,55	15 00 0 20 0.25 0.30 0.40 1.00	CBBBBB	3 00 0 60 0 50 0 30 0.40 1 00
42 43 44 45 46 47 48	2" RIGID ALUM, CONDUIT 2" RIGID CONDUIT SUPT 2" CONDUIT TERMINATION 2" ALUM 90 W/ COUP 2" ALUM LB W/ COV & GASKT 2" X 24" SEALTITE W/ 2-CONN	10 2 2 1 1	238 00 5 30 7 35 13.90 45 00 39.00	CHERRE	23,80 10,60 14,70 13,90 45,00 39,00	18.00 D 25 D.50 0.65 1.00 1.25	CEEEE	1 80 0.50 1 00 0 65 1.00 1.25
49 50 51 52 53 54	TEST & CHECK	1	0.00	E	à Dô	2 00	E	2.90
55		TOTALS	SUBCONT		MATERIAL 3,185		L	LABOR 55

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Customer Quotation

REXEL

5465 WEST 140TH STREET



CLEVELAND, OH 44111 Phone: (216)252-4482 Fax: (216)476-4438

Project Name:

OBERLIN WPF-8ASE BID

Project Location: OBERLIN

Customer Name: DUELLMAN ELECTRIC SUPPLY

Q2C Number:

16289745

Quote Number: 1

Initiator:

BUBNA, RICH

Contact:

RICH BUBNA

Customer Net:

\$2,725.00

Quote Notes

Accessories

Fuses NOT Included

Overloads NOT included

Lamps NOT Included

Lug Kits NOT included

Extended Price

Customer Quotation

REXEL

3465-WEST 140TH STREET



Accessories

Overloads NOT included

Fuses NOT Included

Lamos NOT Included

Lua Kits NOT Included

Unit Phre

CLEVELAND, OH 44111 Phone. (216)252-4482 Fax. (216)476-4439

Project Name:

OBERLIN WPF-SASE BID

Project Location: OBERLIN

Quantity

Customer Name: DUELLMAN ELECTRIC SUPPLY

Q2C Number:

Item Number

DD1-00

16289745

Quote Number:

Catalog Number / Details

Designation: LP

NOOD MS PANELBOARD (INT, ENCL)

URADBUSINAS DOON

CONSISTING OF
120/240 VAC 1PH 3W 50|HZ SCCR.10K
MAIN. 150A DZ CIRCUITI BREAKER
INCOMING CONDUCTOR(S); (1)#4-300 kcmil AVCU
EUS: 225A ALUMINUM TIN PLATING
GROUND BAR

50"H X:20™ X 6.50"D

FRONT CAT#: SPECIAL

GROUND BAR
TYPE 4
SO"H X; 20TW X 6.50
INCOMING BOTTOM
BOX CAT#: SPECIAL FRONT G
REF. DRAWING: PBA 507A
BRANCHES:
(4) 20A/2P GOB
(22) 20A/1P GOB
(1) 15A/1P GOB
(1) 10A/1P GOB
SPECIAL SHIP TOGETHER
BLCK FACEWHT LET NAMEPLATE

Estimated Ship Days (ARO): 30 Working Days

002-00 1

TRANSFORMER DRY 1PH 25KVA 240X483V-120/240V

DASK1 007-05 LUG KIT



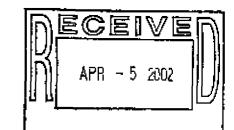
Contractors and Engineers

ISO 9002 Pegistered

dstablished 1952

25730 First Street, PO Box 450859, Westlake, Chio 44145, Phone, 440-835-5565, Fax: 440-835-5688

Camp, Dresser & McKee 1100 Superior Ave., Suite 620 Cleveland, OH 44114 April 4, 2002



Attention:

Mr. Edward J. St. John, P.E.

Reference:

Water Environment Protection Facility

City of Oberlin

Relocate Grit Bldg. Instrument Wiring

Our Estimate No. 110-126-E48

Gentlemen:

We propose to furnish the necessary material, labor, supervision, and tools for the above referenced project for the LUMP SUM amount of:

TWO HUNDRED SEVENTY-ONE AND 41/100 DOLLARS.....\$271.41

Our breakdown is as follows:

Labor:	5 hrs. @ \$35.19	=	\$175.95
Insurance & Tax:	+ 21.61%	=	38.02
Consumable Material:	+ 4%	=	7.04
Tools (Less than \$1000.)	5hrs. @ \$2.00	=	10.00
Material:	-	=	<u>5.00</u>
Cost:			\$236.01
Overhead & Profit:	+ 15%	=	<u>35.40</u>
Total Addition:			\$271.41

We thank you for the opportunity of submitting this proposal and trust it will merit your favorable consideration.

Sincerely,

LAKE ERIE ELECTRIC, INC.

Mark G. Keller Project Manager

/jg

PRO. TASK			EST. No. DWG No		110-126-E48		PAGE DATE	23 4/4/02
LINE	DESCRIPTION	QUANTITY		MATER PER	IAL EXTENSION	MAN HRS.	LABO PER	R EXTENSION
1 1 2 3 4 5 6	RELOCATE INSTRUMENT 120 V POWER WIRIG FROM LIGHT PANEL TO PLC U.P.S. UNIT IN GRIT BLDG					:		
8 9 10	DE-ENERGIZE & OPEN UP EXISTING LIGHT PANEL, IDENTIFY & DISCONN. INSTUMENT POWER CIRCUIT	1	000	E	0.00	1 00	E	1 00
12 13 14 15	REWORK INSTRUMENT POWER WIRING FROM LIGHT PANEL OVER TO PLC UPS UNIT	1	0.00	Ë	0 00	2 00	E	2.00
16 17 18 19	OPEN UP PLC & U.P.S. UNIT , IDENTIF TERMINAL POINTS & TERMINATE INSTUMENT POWER CIRCUIT	1	5 00	E	5,00	1.00	E	1.0≎
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 40 41 42 43 44 45 46 47 48 49 50 51 51 52 53			0.00	E			E	1.00
55	· · · · · · · · · · · · · · · · · · ·	TOTALS	SUBCO	NTRACT 0		5		LABOR 5



Contractors and Engineers

25730 First Street, PO Box 450859, Wertlake, Ohio 44145. Phone: 440-833-5565. Fax: 440-8**3**5-5688

Established 1952

Camp, Dresser & McKee 1100 Superior Ave., Suite 620 Cleveland, OH 44114 March 18, 2002

Attention:

Mr. Edward J. St. John, P.E.

Reference:

Water Environment Protection Facility

City of Oberlin

Add Cables to R.A.S. Bldg. & Connect Mag Flow Meter

Our Estimate No. 110-126-E46

Gentlemen:

We propose to furnish the necessary material, labor, supervision, and tools for the above referenced project for the LUMP SUM amount of:

THREE THOUSAND SIX HUNDRED NINTY AND 95/100 DOLLARS.....

......\$3,690.95

Our breakdown is as follows:

Labor:	57 hrs. @ \$35,19	=	\$2,005.83
Insurance & Tax:	+ 21.61%	=	433.46
Consumable Material:	+ 4%	=	80.23
Tools (Less than \$1000.)	57 hrs. @ \$2.00	=	114.00
Material:		=	<u>576.00</u>
Cost:			\$3,209.52
Overhead & Profit:	+ 15%	=	<u>481.43</u>
Total Addition;			\$3,690.95

We thank you for the opportunity of submitting this proposal and trust it will merit your favorable consideration.

Sincerely,

LAKE ERIE ELECTRIC, INC.

Mark G. Keller Project Manager

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PRO. TASK	SITE POWER REVISIONS ADD WIRING TO RAS.		EST, No. DWG No		110-126-246		PAGE DATE	21 3/18/02
LINE	DESCRIPTION	QUANTITY		MATER PER		MAN HRS.	LABÇ PER	EXTENSION
1 2 3 4 5	INSTALL ADDITIONAL SHLD CABLES TO R.A.S. BLDG, & RECONN MAG FLOW	W						
6 7 8	OPEN - UP CABINET , IDENTIFY CABLE TAG & DISCONNECT WIRES	7	2 00	E	14.00	0,35	臣	2.45
9 10 11	PULL EXISTING SHLD CABLE BACK FROM S.B. BLDG & COIL @ R.A S (7 - RUNS @ APPROX 225' EA)	1,575	0,00	M	0.00	6,00	M	12 60
12 13 14	NEW 2/C # 16 SHLD. (6-RUNS)	1,800	260.00	М	468.00	8 00	м	14 40
15 16 17 18	RE PULL EXISTING SHLD CABLE BACK TO SB BLDG WITH NEW CABLE (7-RUNS @ APPROX 225' EA.)	1,575	0.00	M	0.00	800	M	12.60
19 20 21	AT S. B. BLDG RETERM EXISTING SHLD. CABLES TO ORIGINAL CONDITION	7	1 00	E	7 00	0.25	Ē	1.75
22 23 24	COIL & TAG SPARE CABLES AT S.B BLDG PLC CABINET	8	0.50	E	4,00	0 15	E	1 20
25 25 27 28	AT R.A.S BLDG. DISC. & DEMO COND / WIRE FROM EXISTING MAG FLOW READ OUT TO TERM BOX	1	0.00	E	- 000	2.00	E	2,00
29 30 31 32 33 34 35	NEW CONDUIT FROM MAG FLOW METER TO READ OUT & TO TERM BC 3/4" RIDGED ALUM CONDUIT 3/4" RIDGED CONDUIT SUPT. 3/4" CONDUIT TERMINATION 3/4" RIDGED 90 ELL W/ COUP 3/4" ALUM, TEE W/ COV. & GASKT	30 4 2 1 1	2 15 3 50 3 75 13.84	EEE	23.43 8.60 7.00 3.75 13.84	12 00 0 10 0 25 0,20 0,50 1,00		3 60 0 40 0 50 0 20 0 50 1 00
36 37 38 39	3/4" SEALTITE @ 24" LG W/ 2 - CONI INSTALL & CONNECT CABLE FROM MAG FLOW METER TO READ OUT	1	10.00	-	10.00			1,25
40 41 42	COIL & TAG SPARE CABLES AT R.A.S BLDG. TERM. BOX	· •	0.50	E	4.00	0.15	Ē	1 20
43 44 45 46 47	CHECK & TEST	i	0.00	E	0.00	1.00	Æ	1.00
48 49 50 51 52 53							•	
55			SUBCON	ITRAC	MATERIAL		· · ·	LABOR
		TOTALS		D	576	3		5

Contractors and Engineers

ISO 9002 Pegistered

ę̃szablished 1952

25730 First Street, PO Box 450859, Westiake, Ohio 44145, Phone. 440-835-5565, Fax. 440-835-5588

Camp. Dresser & McKee 1100 Superior Ave., Suite 620 Cleveland, OH 44114 March 21, 2002

Attention:

Mr. Edward J. St. John, P.E.

Reference:

Water Environment Protection Facility

City of Oberlin

Rework Conduit/Wire Influent Transducer

Our Estimate No. 110-126-E45-R1

Gentlemen:

We propose to furnish the necessary material, labor, supervision, and tools for the above referenced project for the LUMP SUM amount of:

Our breakdown is as follows:

Labor:	21 hrs. @\$35.19	=	\$ 738.99
Insurance & Tax:	+ 21.61%	=	159.70
Consumable Material:	+ 4%	=	29.56
Tools (Less than \$1000.)	21 hrs. @ \$2.00	=	42.00
Material:	-	=	205.00
Cost:			\$1,175.25
Overhead & Profit:	+ 15%	=	<u>176.29</u>
Total Addition:			\$1,351.54

We thank you for the opportunity of submitting this proposal and trust it will merit your favorable consideration.

Sincerely,

LAKE ERIE ELECTRIC, INC.

Mark G. Keller Project Manager

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PRO. TASK	ŞITE POWER REVISIONS RECONNECT INFLUENT TRANSDUCER		EST No DWG No.		110-126-645		PAGE DATE	20 3/21/02
LINE	DESCRIPTION	QUANTITY		MATER PER	EXTENSION	MAN HRS.	LABÇ PER	
1 2 3 4 5	REWORK CONDUIT & WIRE FOR THE INFLUENT TRANSDUCER & RECONNECT							
5 7 8	OPEN-UP CABINET, IDENTIFY CABLE TAG & DISCONNECT WIRES	1	2.00	Ē	2 00	1.00	£	1 00
9 10 11	PULL EXISTING SHLD CABLE BACK FROM LAB & COIL @ GRIT BLDG.	1	0.00	E	6.00	2 50	E	2.50
12 13 14	HAND EXCAVATE GROUND AREA AND LOCATE EXISTING CONDUIT	1	0.00	£	0.00	2 50	E	2 50
15 16	IDENTIFY THE RIGHT CONDUIT, THÈN CUT & REMOVÉ SECTION OF CONDUIT	1	0.00	E	0.00	1 00	E	1.00
18 19	6" X 6" X 4" STAIN STE BOX W/ CO\ MOUNTIG SUPORT	1	116 31 10.00	E	116 31 10,00	2,00 0.25	E E	2,00 0 25
20 21 22 23 24 25 26	3/4" RIDGED ALUM. CONDUIT 5/4" RIDGED CONDUIT SUPT 3/4" CONDUIT TERMINATION 3/4" RIDGED 90 ELL W/ COUP 3/4" ALUM. LB W/ COV. & GASKT 3/4" SEALTITE @ 24" LG W/ 2-CONN	10 2 2 1 1 2	78.09 2.15 3 50 3 75 10 84 12.00	E	7 81 4.30 7.00 3 75 21 68 12.00	0 10 0 25 0 20 0.35	CEFFFF	1 20 0.20 0.50 0.20 0.70 1 00
27 28 29 30 31 32 33	1" PVC SCHEDULE 40 CONDUIT SUPT 1" PVC 90 ELL. W/ COUP 1" PVC ADAPTERS	10 2 1 1		E	2.66 2.00 2.00 1.75	0.10 0,20	E	0 60 0 20 0.20 0.15
34 35 36 37 38 39	RE-PULL EXISTING SHLD CABLE THRU REWORKED CONDUITS RE-CONNECT CABLE	,	1		0.00			3,00 0,35
40	CHECK & TEST	1	0.00	E	0.00	1.00	E	100
41 42 43 44 45 46 47 48 49 50 51 52 53		1	10.00	E	10,00	2.00	E	2.00
<u>55</u>		_ 	SUBCON	TRAC1	MATERIAL			LABOR
		TOTALS		3	209	i		21