

Little Miami WWTP Preliminary Treatment Improvments Phase A (BASE) & Litle Miami WWTP Electrical Improvements Phase A (ALTERNATE) Project ID 10170813 (BASE) & 10170812 (ALTERNATE)

Date Issued: March 7, 2019

ADDENDUM No. 2

This addendum will only be distributed via e-mail, but will remain available for viewing on the MSDGC website at www.MSDGC.org on the project-specific web page. No hard copy will follow.

NOTE: Please be sure to enter the TOTAL NUMBER of Addenda issued on the 'Official Bid Form' contained in the Bid Document prior to submitting your bid.

The attention of all bidders is directed to the following additions and/or deletions to the Contract Documents.

▶ ADDED ITEMS ◀ ARE <u>Underlined</u> and **deleted items** are struck through

The Contract Documents for the above referenced project are amended and revised as follows:

Attached is the correct Table of Contents for Detailed Specifications Volume II and Volume III.

Section	Name and Description	Initial
<u>Number</u>	Name or Description	<u>Page</u>
<u>SPECIFICAT</u>	<u>IONS</u>	
DIVISION 01	<u>– GENERAL REQUIREMENTS</u>	
01 11 00	Summary of Project	01 11 00-1
01 12 16	Construction Sequence	
01 14 00	Control of Work	
01 20 00	Measurement and Payment	
01 26 00	Contract Considerations	
01 31 19	Project Meetings	
01 31 21	Site safety Plan	
01 32 16	Construction Progress Schedule	
01 33 00	Submittals	
01 33 19	Reference Forms	
01 33 23	Installation and Erection Data	01 33 23-1
01 35 00	Special Provisions	01 35 00-1
01 42 19	Applicable Codes	
01 45 16	Contractor Quality Control	
01 45 29	Testing Laboratory Services	01 45 29-1
01 45 33	Code Required Special Inspections	01 45 33-1
01 50 00	Temporary Facilities	
01 60 00	Delivery, Storage, and Handling	01 60 00-1
01 66 00	Material and Equipment	
01 71 23	Field Engineering	
01 71 33	Restoration of Improvements	
01 73 29	Cutting and Patching	
01 74 00	Cleaning	
01 75 00	Commissioning Requirements and Sequence	
01 75 01	Equipment Factory Acceptance Testing	01 75 01-1
01 75 02	Equipment Startup and Checkout	01 75 02-1
01 75 03	System Functional Testing	
01 75 04	Process Performance Testing	01 75 04-1
01 75 05	Operational Testing	01 75 05-1
01 75 06	30 Day Commissioning Reliability Test	01 75 06-1
01 77 00	Contract Closeout	01 77 00-1
01 77 19	Substantial Completion	01 77 19-1
01 78 23	Equipment Operation and Maintenance Manual Information	
01 78 36	Manufacturer's Product warranties	01 78 36-1

Section Number	Name or Description	Initial <u>Page</u>	
DIVISION 01	1 – GENERAL REQUIREMENTS (CONTINUED)		
01 78 39 01 78 43 01 79 00	Record Documents Spare Parts and maintenance Materials Training	01 78 43-1	
DIVISION 02	2 – EXISTING CONDITIONS		
02 41 00	Demolition	02 41 00-1	
<u>DIVISION 03 – CONCRETE</u>			
03 11 00 03 15 00 03 20 00 03 30 00 03 41 13 03 60 00	Concrete Forming Concrete Accessories Concrete Reinforcing Cast-in-place Concrete Precast Concrete Hollow Core Planks Grouting	03 15 00-1 03 20 00-1 03 30 00-1 03 41 13-1	
<u>DIVISION 04 – MASONRY</u>			
04 05 05 04 05 11 04 05 19	Unit Masonry Construction	04 05 11-1	

Section		Initial
<u>Number</u>	Name or Description	<u>Page</u>
DIVISION	04 – MASONRY (CONTINUED)	
04 21 13	Brick Masonry	04 21 13-1
04 22 00	Concrete Unit Masonry	
DIVISION	05 – METALS	
05 05 33	Anchor Systems	05 05 33-1
05 50 13	Miscellaneous Metal Fabrications	
05 51 17	Aluminum Stairs	
05 52 15	Aluminum Handrails and Railing	05 52 15-1
05 53 16	Aluminum Grating	
05 54 63	Floor Access Hatch Covers	05 54 63-1
05 56 00	Metal Castings	05 56 00-1
DIVISION	06 – WOOD, PLASTICS AND COMPOSITES	
06 10 53	Miscellaneous Rough Carpentry	06 10 53-1
06 82 53	Fiberglass Reinforced Plastic Miscellaneous Fabrications	
06 82 83	Fiberglass Reinforced Plastic Weir Plates	
DIVISION	07 – THERMAL AND MOISTURE PROTECTION	
07 11 13	Bituminous Dampproofing	07 11 13-1
07 19 16	Silate Water Repellants	
07 21 05	Building Insulation	
07 22 16	Roof Board Insulation	
07 55 52	Modified Bituminous Protected Membrane Roofing	07 55 52-1
07 62 00	Sheet Metal Flashing and Trim	
07 71 00	Roof Specialties	
07 73 00	Manufactured Roof Curbs	07 73 00-1
07 92 00	Joint Sealants	07 92 00-1
DIVISION	08 – OPENINGS	
08 11 13	Hollow Metal Doors and Frames	08 11 13-1
08 11 16	Aluminum Doors and Frames	
08 33 23	Overhead Coiling Doors	08 33 23-1

Section Number	Name or Description	Initial Page
Number	Name of Description	<u>r agc</u>
DIVISION 08	– OPENINGS (CONTINUED)	
08 51 13	Aluminum Windows	08 51 13-1
08 71 00	Door Hardware	
08 81 00	Glass Glazing	
08 90 00	Louvers and Vents	08 90 00-1
DIVISION 09	– FINISHES	
09 61 53	Concrete Hardener	09 61 53-1
09 91 00	Painting	
DIVISION 10	– SPECIALTIES	
10 14 00	Signage	10 14 00-1
10 44 00	Fire Protection Specialties	
DIVISION 11	– EQUIPMENT (NOT USED)	
DIVISION 12	– FURNISHINGS (NOT USED)	
DIVISION 13	– SPECIAL CONSTRUCTION (NOT USED)	
DIVISION 14	- CONVEYING EQUIPMENT (NOT USED)	
DIVISION 21	– FIRE SUPPRESSION	
21 13 13	Wet-Pipe Sprinkler System	21 13 13-1
DIVISION 22	= PLUMBING (NOT USED)	

Section Number	Name or Description	Initial <u>Page</u>
DIVISION 23	3 – HEATING, VENTILATING AND AIR CONDITIONING	<u>J</u>
23 05 29	Hangers and Supports for HVAC Ductwork, Piping	
	and Equipment	
23 05 93	Testing, Adjusting, and Balancing for HVAC	23 05 93-1
23 07 13	Duct Insulation	23 07 13-1
23 07 19	HVAC Piping Insulation	
23 09 00	Instrumentation and Control for HVAC	23 09 00-1
23 23 00	Refrigeration Piping	23 23 00-1
23 31 13	Metal Ductwork	23 31 13-1
23 34 05	Metallic HVAC Fans	23 34 05-1
23 74 23	Packaged Outdoor Heating-Only Makeup-Air Units	23 74 23-1
23 81 26	Ductless Split-System Air-Conditioners	23 81 26-1
23 81 28	Ductless VRF Split-System Heat Pumps	23 81 28-1
23 82 39.43	Electric Unit Heaters	
DIVISION 26	5 – ELECTRICAL	
26 05 00	General Requirements for Electrical Work	26 05 00-1
26 05 13	Medium-Voltage Conductors and Cables	
26 05 19	Low-Voltage Electrical Power Conductors and Cables	
26 05 23	Instrumentation and Control Cables	26 05 23-1
26 05 26	Grounding and Bonding for Electrical Systems	
26 05 29	Hangers and Supports for Electrical Systems	
26 05 33	Raceways and Boxes for Electrical Systems	
26 05 43	Underground Ducts and Raceways for Electrical Systems	26 05 43-1
26 05 53	Identification for Electrical Systems	
26 05 73	Overcurrent Protective Device Coordination Study and	
	Arc-Flash Hazard Analysis	26 05 73-1
26 08 00	Commissioning of Electrical Systems	26 08 00-1
26 09 13	Electrical Power Monitoring	
26 09 16	Electrical Controls and Relays	26 09 16-1
26 11 16	Secondary Unit Substations	26 11 16-1
26 12 16	Medium-Voltage Dry-Type Transformers	26 12 16-1
26 13 16	Medium-Voltage Fusible Interrupter Switchgear	26 13 16-1
26 18 16	Medium-Voltage Fuses	26 18 16-1

Section		Initial
Number	Name or Description	<u>Page</u>
DIVISION 2	26 – ELECTRICAL (CONTINUED)	
26 22 13	Dry-Type Transformers	26 22 13-1
26 23 00	Low-Voltage Switchgear	
26 24 16	Low-Voltage Panelboards	
26 24 19	Low-Voltage Motor Control Centers	
26 27 16	Electrical and Control Cabinets and Enclosures	
26 27 26	Wiring Devices	
26 28 00	Low-Voltage Circuit Protective Devices	
26 28 13	Low-Voltage Fuses	
26 29 00	Low-Voltage Controllers	
26 29 23	Variable Frequency Motor Controllers	
26 33 53	Uninterruptable Power Supply	
26 41 00	Facility Lightning Protection	
26 43 00	Surge Protective Devices	
26 47 00	IR Windows	26 47 00-1
26 50 00	Lighting	26 50 00-1
DIVISION 2	27 – COMMUNICATIONS	
27 13 43	Communications Services Cabling	27 13 43-1
27 21 00	Data Communications Network Equipment	
DIVISION 2	28 – ELECTRONIC SAFETY AND SECURITY	
28 42 00	Gas Detection Sensors and Alarm Devices	
28 46 00	Fire Detection Sensors and Alarm Devices	
DIVISION 3	31 – EARTHWORKS	
31 11 00	Clearing and Grubbing	31 11 00-1
31 23 05	Excavation and Fill	
DIVISION 3	32 – EXTERIOR IMPROVEMENTS	
32 01 91	Tree Protection and Trimming	32 01 91-1
32 16 13	Concrete Curbs, Gutters and Sidewalks	
32 92 00	Lawns and Meadows	

Section		Initial
Number	Name or Description	<u>Page</u>
DIVISION	33 – UTILITIES	
33 05 05	Buried Piping Installation	33 05 05-1
33 05 13	Manholes and Structures	33 05 13-1
33 44 13	Drainage Structures	33 44 13-1
DIVISION	34 – TRANSPORTATION (NOT USED)	
DIVISION	35 – WATERWAY AND MARINE (NOT USED)	
DIVISION	40 – PROCESS INTEGRATION	
40 05 05	Exposed Piping Installation	40 05 05-1
40 05 06	Couplings, Adapters, and Specials for Process Piping	40 05 06-1
40 05 07	Pipe Hangers and Supports	40 05 07-1
40 05 08	Wall Pipes, Floor Pipes and Pipe Sleeves	40 05 08-1
40 05 17	Copper Process Pipe	
40 05 19	Ductile Iron Process Pipe	
40 05 24	Steel Process Pipe for Air Service and Natural Gas	40 05 24-1
40 05 31	Thermoplastic Process Pipe	
40 05 39	Concrete Process Pipe	
40 05 53	Process Valves	40 05 53-1
40 05 93	Common Motor Requirements for Process Equipment	
40 06 70	Instrument Index	
40 63 43	Programmable Logic Controllers	
40 67 00	Process Control System Panels	
40 72 00	Level Measurement	
40 95 00	Motorized Rotary Actuators	
DIVISION	41 – MATERIAL PROCESSING AND HANDLING EQUIP	<u>MENT</u>
41 22 23	Hoists	40 22 23-1
41 22 25	Gantry Cranes and Hoists	
DIVISION	42 – PROCESS HEATING, COOLING, AND DRYING EQU	JIPMENT
(NOT USE	· · · · · · · · · · · · · · · · · · ·	

Section		Initial
Number	Name or Description	<u>Page</u>
DIMIGION 4		TCATION AND
	<u>3 – PROCESS GAS AND LIQUID HANDLING, PURIF</u>	ICATION, AND
STORAGE I	EQUIPMENT	
43 21 39	Sump Pumps	43 21 39-1
43 26 16	Aluminum Stop Logs	
43 26 23	Stainless Steel Slide Gates	
DIVISION 4	4 – POLLUTION CONTROL EQUIPMENT (NOT USE)	<u>D)</u>
DIVISION 4	<u>5 – INDUSTRY-SPECIFIC MANUFACTURING EQUII</u>	PMENT (NOT
<u>USED)</u>		
DIVISION 4	6 – WATER AND WASTEWATER EQUIPMENT	
46 21 13	Chain-and-Rake Bar Screens	
46 21 73	Screenings Washing and Compacting Equipment	46 21 73-1
46 21 74	Belt Conveyors	46 21 74-1
46 23 23	Vortex Grit Removal Equipment	
DIVISION 4	<u>8 – ELECTRICAL POWER GENERATION (NOT USEI</u>	<u>D)</u>

+ + END OF TABLE OF CONTENTS + +