



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: Addendum No. 1
Ridge Road (S.R. 84) Slope Stabilization
City of Willoughby

Date: August 26, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated August 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

SPECIFIC PROJECT REQUIREMENTS

Attached are the Boring Logs referenced in Item 2.

PLANS

On plan sheet 2/12 **Add** the following to the utility line note:

“The Contractor shall be responsible for coordinating with and obtaining permits if necessary, from First Energy (CEI) and any other relevant utility entities for the relocation of existing utility poles and overhead wires that conflict with the project. All costs associated with such coordination and permitting shall be included in the contract bid price for the Mobilization item. Any delays resulting from utility pole relocation activities shall be considered non-compensable.”

First Energy (CEI) is aware of the project and has designated Dylan Long as the Engineering Supervisor. He may be contacted at (440) 635-6424. Please reference the **attached** Illuminating Company Utility Note dated April 17, 2025.

QUESTIONS AND ANSWERS

Q1. There are two Sequence of Installation notes on page 2, which are contradictory on cure times. Which one is to be followed?

A1. The notes are each specific to whether it is a Plug Pile or a or a Drilled Shaft reinforced with a structural steel Soldier Pile.

SEE SHEETS 10 & 12 FOR DETAILS AND SUMMARY

ITEM 524 - DRILLED SHAFTS, 30" DIAMETER, ~~PLUG PILES~~, AS PER PLAN

THESE SHAFTS ARE TO BE UN-REINFORCED NON-STRUCTURAL "PLUG PILES".

THIS WORK SHALL BE PER ITEM 524 EXCEPT REINFORCING WILL NOT BE USED IN THE SHAFT. EACH PLUG PILE SHALL BE CENTERED BETWEEN EACH REINFORCED 30" DIAMETER DRILLED SHAFT AND DRILLED TO THE TOP OF ROCK PER THE PLUG PILE DRILLED SHAFT DETAILS ON SHEET 10 AND SUMMARY ON SHEET 11-12, AND BACKFILLED WITH UN-REINFORCED CLASS QC1 CONCRETE.

SEQUENCE OF INSTALLATION

THE INSTALLATION SEQUENCE SHALL BE SUCH THAT NO DRILLED SHAFT IS INSTALLED ADJACENT TO EITHER AN OPEN DRILLED SHAFT EXCAVATION OR A DRILLED SHAFT IN WHICH THE CONCRETE HAS LESS THAN A 48 HOUR CURE. INSTALLING THE SHAFTS IN AN ALTERNATING SEQUENCE OR ANY OTHER SEQUENCE THAT MEETS THIS REQUIREMENT IS PERMISSIBLE.

ITEM 524 - DRILLED SHAFTS, 30" DIAMETER, ABOVE BEDROCK, AS PER PLAN

ITEM 524 - DRILLED SHAFTS, 30" DIAMETER, INTO BEDROCK, AS PER PLAN

THIS WORK CONSISTS OF FURNISHING AND INSTALLING DRILLED SHAFTS FOR SLOPE STABILIZATION. THE 30" DRILLED SHAFTS ARE ~~REINFORCED WITH SOLDIER PILES~~ INSTEAD OF REINFORCING STEEL CASES. FURNISH AND INSTALL DRILLED SHAFTS IN ACCORDANCE WITH CMS 524 EXCEPT AS MODIFIED AND SUPPLEMENTED BELOW.

EXCAVATE THE HOLE FOR THE SHAFTS WITHIN 3 INCHES OF THE PLAN LOCATION IN THE HORIZONTAL PLANE. IF FIELD CONDITIONS INDICATE GREATER DEPTHS, NOTIFY THE ENGINEER FOR FURTHER EVALUATION. PLACE THE SOLDIER PILE VERTICALLY WITHIN THE HOLE SO IT IS NOT INCLINED MORE THAN 1" BETWEEN THE TOP AND BOTTOM.

PLACE THE SOLDIER PILE SO THAT THE FLANGES ARE PARALLEL TO THE CENTERLINE OF CONSTRUCTION. DO NOT ALLOW THE ORIENTATION OF THE FLANGES TO VARY BY MORE THAN 10 DEGREES. SUPPORT THE SOLDIER PILE SO THAT IT DOES NOT MOVE DURING CONCRETE PLACEMENT.

USE CLASS QC5 CONCRETE ACCORDING TO CMS 511. THE CONTRACTOR MAY PLACE CONCRETE USING THE FREE FALL METHOD PROVIDED THE DEPTH OF GROUNDWATER IS LESS THAN 6 INCHES AND THE CONCRETE FALLS WITHOUT STRIKING THE SIDES OF THE HOLE. POURING CONCRETE ALONG THE WEB OF THE SOLDIER PILE IS ACCEPTABLE.

CHECK THE POSITION, THE VERTICAL ALIGNMENT, AND ORIENTATION OF THE SOLDIER PILE IMMEDIATELY AFTER CONCRETE PLACEMENT. MAKE CORRECTIONS AS NECESSARY TO MEET THE ABOVE TOLERANCES.

SEQUENCE OF INSTALLATION

THE INSTALLATION SEQUENCE SHALL BE SUCH THAT NO REINFORCED DRILLED SHAFT IS INSTALLED ADJACENT TO EITHER AN OPEN DRILLED SHAFT EXCAVATION OR A DRILLED SHAFT IN WHICH THE CONCRETE HAS LESS THAN 24 HOUR CURE. INSTALLING THE SHAFTS IN AN ALTERNATING SEQUENCE OR ANY OTHER SEQUENCE THAT MEETS THIS CRITERIA IS PERMISSIBLE. NO EXCAVATION SHALL BE PERFORMED IN FRONT OF THE WALL FOR 3 DAYS AFTER PLACING OF CONCRETE.

Q2. Where is the water valve adjusted to grade to be paid?

A2. Since not associated with a specific Item number, the cost would be paid out of the project's contingency allowance.

Q3. The utility poles that are to be relocated by others have concrete foundations that are in line with the proposed wall. Is this concrete going to be removed when the poles are relocated, or is it on the contractor to remove? If it is on the contractor, where is this removal being paid, and how deep are the foundations?

A3. Wood utility poles do not typically have foundations, and it has not been established that these poles have concrete foundations. Per John Zassick, our contact at The Illuminating Company/First Energy (440/546-8706) if they do, the foundations will be removed along with the poles.

MS/AL/TL:mep

Enclosures

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PROJECT: SR-84			DRILLING FIRM / OPERATOR: CME 55 TRUCK										STATION / OFFSET:					EXPLORATION ID				
TYPE: BRIDGE			HAMMER: CME AUTOMATIC										ALIGNMENT:					B-001-0-23				
PID: N/A SFN: N/A			CALIBRATION DATE: 3/10/09										ELEVATION: 730.0 (NAVD88) EOB: 47.7 ft.					PAGE				
START: 5/2/24 END: 5/2/24			ENERGY RATIO (%): 81.3										LAT / LONG: 41.623621, -81.416215					1 OF 2				
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS	SPT/ RQD	REC SAMPLE (%)	HP (tsf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL			
ASPHALT - 7 INCHES			730.0	1																		
CONCRETE - 8 INCHES			729.4	2	3	100	-	53	19	6	20	2	NP	NP	NP	6	A-1-b (0)	-				
LOOSE TO MEDIUM DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND, SOME SILT, TRACE CLAY, MOIST FILL			728.7	3	5																	
				4	3	100	-	-	-	-	-	-	-	-	-	-	-	7	A-1-b (V)	-		
				5	2																	
				6																		
				7	3	100	-	-	-	-	-	-	-	-	-	-	-	-	8	A-1-b (V)	-	
				8	4																	
				9	5																	
				10	3	100	-	-	-	-	-	-	-	-	-	-	-	-	10	A-3 (V)	-	
				11	6																	
				12																		
MEDIUM DENSE, BROWN, FINE SAND, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST				13																		
				14	3	100	-	-	-	-	-	-	-	-	-	-	-	-	7	A-3 (V)	-	
				15	3																	
				16																		
				17																		
				18																		
				19	4	100	4.50	6	10	22	42	20	21	18	3	12	A-4a (5)	-				
				20	7																	
				21	10																	
				22																		
HARD, GRAY, SANDY SILT, SOME CLAY, TRACE GRAVEL, MOIST				23																		
				24	3	100	4.50	-	-	-	-	-	-	-	-	-	-	-	16	A-4a (V)	-	
				25	4																	
					5																	
@13.5': SOME GRAVEL																						
@23.5': Qu - 66.6 PSI																						

PROJECT: SR-84			DRILLING FIRM / OPERATOR: OHIO TESTBOR / KKC				DRILL RIG: CME 55 TRUCK				STATION / OFFSET:				EXPLORATION ID								
TYPE: BRIDGE			SAMPLING FIRM / LOGGER: OHIO TESTBOR / KKC				HAMMER: CME AUTOMATIC				ALIGNMENT:				B-002-0-23								
PID: N/A SFN: N/A			DRILLING METHOD: HSA / NQ				CALIBRATION DATE: 3/10/09				ELEVATION: 731.0 (NAVD88) EOB: 50.5 ft.				PAGE								
START: 5/2/24 END: 5/2/24			SAMPLING METHOD: SPT / NQ				ENERGY RATIO (%): 81.3				LAT / LONG: 41.623632, -81.415768				1 OF 2								
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC SAMPLE (%)	HP (tsf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL			
ASPHALT - 7 INCHES			731.0																				
CONCRETE - 8 INCHES			730.4																				
LOOSE TO MEDIUM DENSE, BROWN, GRAVEL AND STONE FRAGMENTS, LITTLE SAND, LITTLE SILT, TRACE CLAY, MOIST FILL			729.7	1																			
				2	3	14	-	SS-1											9	A-1-a (V)	-		
				3	5	5																	
				4	4	4																	
				5	4	3																	
				6	4	5	11	-	SS-2	70	11	6	12	1			NP	NP	7	A-1-a (0)	-		
				7	5	4																	
				8	4	5	14	-	SS-3											8	A-1-a (V)	-	
				9	3	3	8	-	SS-4												8	A-1-a (V)	-
				10	5	5	15	-	SS-5												5	A-3 (V)	-
MEDIUM DENSE, GRAY, FINE SAND, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST			721.5																				
LOOSE, GRAY, FINE SAND, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST			719.5																				
				11	6	4																	
				12	4	5	14	-	SS-6												5	A-3 (V)	-
				13	5	5																	
				14	5	6	14	-	SS-7A												6	A-3 (V)	-
				15	6	4																	
				16	11	7	26	-	SS-7B	2.50											19	A-6b (V)	-
				17	12	14															18	A-6a (V)	-
				18	4	6	18	-	SS-8A	4.50													
				19	7	8																	
VERY STIFF TO HARD, BROWN, SILTY CLAY, SOME SAND, LITTLE GRAVEL, MOIST			715.8																				
			715.5																				
			715.0																				
			713.4																				
				20	5	8	24	-	SS-8B	3.75	7	4	9	23	57	31	20	11	16	A-6a (8)	-		
				21	10	11																	
				22	6	7	18	-	SS-9												19	A-3 (V)	-
				23	9	11																	
				24	5	10	30	-	SS-10														
				25	12	15																	
MEDIUM DENSE, BROWN, FINE SAND, TRACE SILT, TRACE CLAY, MOIST			713.4																				
				26	6	7	22	-	SS-11												20	A-3 (V)	-
				27	9	11																	
				28	5	10	30	-	SS-12														
				29	12	15																	
				30	6	7	22	-	SS-13														
				31	9	11																	
				32	5	10	30	-	SS-14														
				33	12	15																	
				34	6	7	22	-	SS-15														
VERY STIFF TO HARD, GRAY, SANDY SILT, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST			705.5																				
			705.2																				
				35	6	7	22	-	SS-16														
				36	9	11																	
				37	5	10	30	-	SS-17														
				38	12	15																	
				39	6	7	22	-	SS-18														
				40	9	11																	
				41	5	10	30	-	SS-19														
				42	12	15																	
VERY STIFF TO HARD, GRAY, SANDY SILT, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST			705.5																				
			705.2																				
				43	6	7	22	-	SS-20														
				44	9	11																	
				45	5	10	30	-	SS-21														
				46	12	15																	
				47	6	7	22	-	SS-22														
				48	9	11																	
				49	5	10	30	-	SS-23														
				50	12	15																	
VERY STIFF TO HARD, GRAY, SANDY SILT, LITTLE GRAVEL, TRACE SILT, TRACE CLAY, MOIST			705.5																				
			705.2																				
				51	6	7	22	-	SS-24														
				52	9	11																	
				53	5	10	30	-	SS-25														
				54	12	15																	
				55	6	7	22	-	SS-26														
				56	9	11																	
				57	5	10	30	-	SS-27														
				58	12	15																	



Ohio Engineering Services Utility Note
Project Response for Ridge Rd Soil Stabilization
Reference Illuminating Company File – WR # 63794827

4-17-25

Attention: **Tim Lannon**

The following information indicates the Illuminating Company's findings after examining the information previously received by the Illuminating Company on 4-17-25 for the mentioned project.

- ☐ 1. The Illuminating Company has no facilities in conflict on this project.
- ☒ 2. The Illuminating Company has facilities in conflict and will be required to modify them.
- ☐ 3. Based upon plans or information received, it is not clear that modifying our facilities is necessary. Please provide the additional information requested below.
- ☐ 4. The Illuminating Company has facilities very close to, or in conflict with the proposed design and may need to modify them. Redesign or use extreme caution during installation.

I. WOOD-POLE AERIAL DISTRIBUTION FACILITIES

Poles 551321 at 210+10, Rt., 305939 at 211+10, Rt. and 305813 at 212+10, Rt. conflict with proposed retaining wall and pile driving construction. They must be relocated.

The city is responsible for removing all trees and shrubbery within 12' of relocated poles, wires and guys. The city is responsible for obtaining easements or additional ROW, if required, for poles, wires and guys that fall outside of the ROW.

If modifications or de-energizing of Illuminating Co. facilities are required to permit construction activities, be advised the current line shop lead time is 16 weeks + engineering, unless new metered service. Provide written notice for any work to proceed.

Non-Illuminating Co. personnel are not permitted to hold or brace poles. For this service, create an order by calling 800-589-3101. The CEI line shop will contact the contractor to schedule the work.

De-energizing may or may not be possible. Proposed CEI conflict resolution details and estimates are preliminary and are subject to change.

II. BELOW-GRADE ELECTRIC DISTRIBUTION FACILITIES

No conflicts.

Please forward revised drawings to my attention @ 6896 Miller Rd., Brecksville, Ohio 44141 as they are available for further review. **Notify the Illuminating Co. of any changes to the construction start date.**

De-energizing

Illuminating Company High-Voltage Transmission and Distribution (T&D) lines can not readily or easily be de-energized. They operate under strict Federally-Mandated oversight. De-energizing is a lengthy, costly process, and all other options must be exhausted prior to considering de-energizing High-Voltage T&D lines. Permission to de-energize may be withheld depending on many factors, including but not limited to: ambient temperature, customer load, possible weather events, and many other contingencies. Further, if de-energizing is ultimately allowed, the High-Voltage T&D lines must remain in a condition that they can be "restored" to service in an emergency. Therefore, any personnel, tools, equipment and all appurtenances must be in a position and condition to move/reposition (within two-hours of notice) into a safe, OSHA-acceptable distance from the High-Voltage T&D lines, and the High-Voltage T&D lines must be considered as energized while steps are taken to re-energize the High-Voltage T&D lines.

Site Preparation

Prior to the Illuminating Company commencing work on aerial or underground facilities in support of roadway, sanitary, storm or water line projects, all clearing, grubbing, necessary forestry (tree/bush trimming) in the Public Right of way is to be completed by others. Final grade shall be established prior to the Illuminating Company installing or relocating underground electric distribution facilities. Also, the project construction limits are to be surveyed and staked by the requesting engineering consulting firm or by the municipality in order ensure the Illuminating Company is properly locating aerial facilities in the public right of way and within the construction limits.

Relocation Costs

Relocation costs that are determined to be compensable, such as, sanitary sewer projects, water lines and other compensable rights or where the relocation of our overhead facilities is only caused by the installation of sidewalks, shall be invoiced by the Illuminating Company per our standard Aid to Construction form. Payment shall be received in advance of work commencing. Estimates are only valid for 30 days and will be re-estimated to provide current estimated costs should approvals be extended beyond the 30 days.

Field Condition Conflicts

In the event additional conflicts are identified which are not part of the Project 4A Note/Project Response Form, due to field conditions, the Illuminating Company shall be notified immediately, both verbally and in writing by the authorized agent for the project. The Illuminating Company, along with the contractor and authorized agent for the project, shall resolve the field conflicts and determine if there are associated compensable costs. The Illuminating Company will not accept contractor delay costs that the Company has not had opportunity to dispute or resolve.

Work Week

The Illuminating Company's workweek is comprised of 5 days per week, 8 hours per day, Monday through Friday. Any overtime costs incurred, as a result of contractor project escalation or requests from ODOT, Cuyahoga County or other project administering agencies shall be billed directly to the contractor. Authorization for payment for the requested overtime shall be received in advance of the overtime being worked.

OSHA Clearances

For the purposes of 29 CFR 1926 Subpart CC, the electric distribution facilities are energized at less than 50,000-Volts. All contractors/owners must know & comply with Occupational Safety Health Administration (OSHA) safe-working clearances between persons or any conductive object and energized bare wires.

Manholes

The Illuminating Company denies permission to any contractor or other utility to remove Illuminating Company manhole castings, cut down Illuminating Company manhole necks, and to temporarily plate over project-created Illuminating Company manhole roof openings. This practice often results in construction debris falling into manholes, thus damaging energized circuits. Under any circumstances if project construction debris is found in Illuminating Company manholes on the subject project, the Illuminating Company shall charge the responsible party for the required clean out. In the event circuitry is damaged as a direct result of project construction debris, the Illuminating Company shall also file a claim, and pursue reimbursement for the damage. It is the Project General Contractor responsibility to notify the Illuminating Company in advance of any existing debris found in Illuminating Company manholes.

Customer Owned Facilities

Customer-owned secondary cables/wire and equipment, including underground, that requires relocation caused by a public works project is not the responsibility of The Illuminating Company. The management, coordination and relocation cost for customer owned facilities generally is the responsibility of the requesting agency. Examples are service to signs, traffic signals, telecom controls, businesses, residences, highway lighting, etc.

Schedule Delay

In the event of a major storm in our service territory, the Illuminating Company's priority becomes the safety of the general public and employees. Efforts are directed to the safe and timely restoration of electrical service to our customers which may affect the projects overall schedule.

The Illuminating Company



John Zassick
Sr. Proj. Management Specialist

