



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: Addendum No. 3
Martin's Run Pump Station & Detention Basin Improvements
City of Lorain, OH

Date: August 28, 2026

This Addendum forms a part of the contract documents and modifies the original bidding documents dated August 2026 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.

QUESTIONS AND ANSWERS

Q1. In reference to 01C-06, please provide information on the 28' power sliding gate, there is no path or source for the power?

A1. The sliding gate for the fence line shall be manual operation, no electrical connections required. Gate shall be pad lockable.

Q2. Can you confirm that the Gas Company will provide the new service line from the road up to and including the meter, and that any fees to the Gas Company will be paid via the Allowance?

A2. The utility will provide the new service up to the meter and the new meter. Any fees will be paid via the allowance; the Contractor shall provide receipt from the utility before the release of allowance funds.

Q3. While the EOR set out circumstances and conditions for rated/classified areas, the Contractor is requesting that the Classifications of areas be called out on the electrical drawings.

A3. The classifications of areas are as noted on Sheet 00G-05.

Q4. The Contractor assumes all the materials of construction specified meet the notes under "Chapter 8 Materials of Construction" on DWG 00G-05. Contractor is not responsible for making assessments, the Design by the EOR must have materials of construction specified with page sheet notes indicating a deviation or special call out.

A4. Sheet 00G-05 is based on 2024 NFPA 820: Standard for Fire Protection in Wastewater Treatment and Collection Facilities Compliance, materials of construction are as identified in appropriate specifications.

Q5. Can you provide pump tag numbers on the D-drawings?

A5. Refer to Sheet 30E-01 for proposed pump tag numbers.

Q6. Can you confirm that only the submersible chopper, P-21 and P-22, located in the diversion structure are to have manufactured supplied power cables and cable entry per Specification Section 4321000 paragraph 2.1.E and 2.1.F?

A6. Pumps listed in the equipment schedule in Specification 423100 section 3.7.A & 3.7.B shall adhere to that specification.

Q7. Can you confirm that the pump test specified in 432100 paragraph 3.4 is a factory test?

A7. Confirmed yes.

Q8. Can you confirm that after 14 days of waiting for rain to perform the Job Site Demonstration stipulated in Specification Section 406113 paragraph 1.6.A, if no rain occurs, then the stipulation is null and void?

A8. Operational demonstration will occur over a 30-day period of time as defined in the Specifications.

Q9. Can you confirm that the new hoist and trolley are not to be rated for explosion proof or corrosion proof?

A9. Refer to Sheet 00G-05 and Specification 412200 – Hoist, Trolleys, and Monorails.

Q10. In reference to DWG 10D-01, can you provide details of the 12” X 12” access door in the bolted checkered plate?

A10. Refer to the SD-C/D sheets for details. The access door shall be a maximum of 12” wide, and span the opening as noted on Sheet 10S-06.

Q11. In reference to DWG 30D-01, can you provide an alternate manufacturer for the pig launcher or sufficient details to engage in a fabricator?

A11. Pipeline Equipment, Inc. is an acceptable manufacturer for the pig launcher station. Providing a pig is not part of the work.

Q12. Please provide an order of precedence of the bid document, i.e. does the Specific Project Requirements govern over the City/Contractor Agreement, do the Specs govern over the Drawings, etc.?

A12. The bid documents, i.e., specs, drawings, and other included items, are part of the City/Contractor Agreement. If there are discrepancies between the specifications, drawings, or other bid documents, the more stringent requirement shall be adhered to.

Q13. Can you confirm that payment to the Contractor will be within 30 days per the City/Contractor Agreement?

A13. Per the City/Contract Agreement Item 10.3 it is 30 days, however it has been changed in this Addendum 3 to 60 days per the revised Specific Project Requirements due to the funding.

Q14. Can you advise on the following comment “The monorail and hoist supplier says the radius shown on the drawings is too tight and will not allow the trolley to pass around the bend?”

A14. The proposed monorail design per the structural drawings, Sheet 30S-03, requires two separate monorails, hoist and trolley systems.

Q15. Can you confirm if the trolley is to be motorized, the spec says motorized while the schedule says manual?

A15. All trolleys and hoists within the pump station shall be motorized.

Q16. Section 109.01 (B)(1)(F) & 109.01 (B)(1)(G) stipulate %'s of the workforce requirements on contracts with the City of Lorain that are over \$250,000. On previous contract solicitations, as illustrated in the subsequent 1099.01 (B)(1)(H), the City “reserves the right to grant relief from the requirements of subparagraph F & G...” Does the City intend to grant relief from these provisions prior to the solicitation, or does the City plan to enforce subparagraphs F & G in order to enter into a Contract with the successful bidder?

A16. The City will not be enforcing 109.01(B)(1)(F)-(G) on this project.

Q17. Since the quantity of sludge in the EQ basin is unknown, can this work be done under an allowance?

A17. The sediment in the EQ is estimated to be 890 CY. A pay item will be added, see enclosed revised bid form.

Q18. Can the sludge that is left in the EQ basin be removed by vac truck and hauled to a WWTP and would there be a fee for this?

A18. The sediment is estimated to be 15% solids at this time. The City will require the Contractor to fluidize the sediment in order to send it through the new pump station. See change to bid forms and bid documents below.

Q19. Plumbing sump pump manufacturers are listed as Meyers and Hydromatic in Spec Section 221429 as well as the bid form. However, Fixture Schedule on dwg 00M-02 lists a Zoeller pump. Please add Zoeller to bid form and spec section or modify dwg 00M-02.

A19. Specification Section 221429 shall be deleted. The Zoeller pump is noted in the Fixture Schedule on Sheet 00M-02.

Q20. Please provide a specification for the 28' powered sliding gate operator and controls (dwgs 01C-06 and SD-C/D-02), as the fence manufacturer does not provide or have standard details for powered gate operators and controls.

A20. The sliding gate for the fence line shall be manual operation, no electrical connections required. Gate shall be pad lockable.

Q21. From a fence subcontractor - please review the attached cut sheet and allow Elite EFS-66/Black as an approved equal to the specified Alumi-Guard fence. Note - none of the new fence regardless of manufacturer will match the existing fence that is shown to remain around the pump station and basin site.

A21. Yes Elite EFS is an approved equal for the fence.

Q22. Please remove paragraph 1.1.G from Specifications Section 013320, the Contractor is not responsible to verify the Design the Owner procured from the Engineer of Record. The Contractor has the right to rely on the predesignated manufacturers and equipment being suitable for the intended design purposes. The Contractor has no obligation to prove out the Design.

A22. The manufacturer shall confirm that equipment was designed for the intended application of this project. Manufacturer shall confirm that the proposed equipment meets the requirements in the Specifications.

Q23. Will the Contractor have other “Prime Contractors” to coordinate with during the execution of this Contract?

A23. No other work is being performed on site during the duration of construction. The Contractor shall coordinate the site use with the Owner as the site will have a operational pump station that is required to be maintained until the proposed pump station is operational.

Q24. We request to insert the following statement in the second to last sentence of Specifications Section 013323 paragraph 1.1.I. “if the third iteration of the submittal is due to deviations proposed by the Contractor.”

A24. Specifications Section 013323 paragraph 1.1.I shall remain. This paragraph will not be modified.

Q25. What is the rate that will have a 2.8 factor multiplier per Specifications Section 013323 paragraph 1.1.I?

A25. Rate will depend on the reviewing agent of the submittal.

Q26. Remove “concrete mix design, asphalt mix designs (JMF), etc.” from spec section 013119-1.1.C as this is not a roadway improvement project. Mixes are specific to this bid’s specs and require lab test results that would not be available for a preconstruction meeting.

A26. Mix designs should be provided as required. Concrete mixes for the building and EQ Basin Improvements should be provided.

Q27. Remove Specification Section 013216 paragraph 1.2, this statement only causes costs to increase for the Owner. It is very customary for the Contactor to sign a waiver for AutoCAD files that every trade requires.

A27. Engineer's drawings shall be available after a contractor signs a waiver.

Q28. Does the stipulation in Specifications 409400-2.9.P requiring rigid galvanized steel conduit for all signal wiring, govern over Specifications 260533?

A28. Conduit shall adhere to Specification 260533.

Q29. Can you confirm that there are a total of five (5) float level switches, the Instrument Schedule for not provide quantities nor do all the Tag Numbers?

A29. Per Sheet 00Y-01, there are four float switches within the pump station wet well and one within the Eq Drain Pump Station.

Q30. Clarify the conflicting information for LIT-10 and LIT-30, Dwg 00Y-01 calls out LIT-10 and LIT-30 as a Pulsar Radar level instruments while the Instrument Schedule calls out Ultrasonic type.

A30. The level sensors are to be ultrasonic provided by Pulsar.

Q31. Are the vibration devices tagged VE-11, VE-12 and VE-13 required? There is no specification included.

A31. Vibration sensors are not required.

Q32. Can you provide a specification for Tag TT-25 at the BFP Hot Box?

A32. See detail on Sheet 40D-01.

Q33. In reference to Addendum No 2 Q7, can you specify which materials the Owner wishes to salvage at bid time?

A33. The City will provide a detailed list identifying the equipment and materials to be salvaged as part of the project. This list will include, but not limited to, the generator, SCADA equipment, hoists and other applicable equipment.

Q34. Is the flushing system supplier responsible for providing the controls as described in Specification Section 460507?

A34. No controls are required for the tipping buckets.

Q35. There are two specifications regarding painting and coatings (099100 and 099700) with conflicting painting systems for various surfaces on this project. Please clarify which specification section we are to follow.

A35. All process equipment and surfaces shall adhere to Specification 099700, architectural features shall adhere to Specification 099100.

Q36. Please clarify if interior of the new Pump Station Wet Well or any surfaces in the Detention Basin are to be coated with the coating system specified in Section 099700 Part 2.3.C.1?

A36. Concrete on the interior of the wet well and detention basin do not require coatings.

Q37. The Contractor has received requests from potential electrical subcontractors requesting that Siemens be named in the specifications and bid form for Switchboards, MCC, Lighting/Distribution Panelboards, as Siemens is named in the specifications for the Power Distribution Panelboards.

A37. Siemens is acceptable.

Q38. Please remove Article 20.a of Instructions to Bidders, as this is not a unit price project; the bid form utilizes LS as measure units.

A38. While this is a Lump Sum Contract, the awarded Bidder will be required to submit a Schedule of Values with a breakdown of labor & materials quantities prior to the start of work.

Q39. Does the Owner need to re-evaluate the entity stated as the Owner's Rep in the City/Contractor Agreement Article 3.1.

A39. See the enclosed **Revised** Article 1a. of the B. Instruction to Bidders for the Construction Manager and the Owner's Site Representative.

Q40. Please remove the following stipulations in City / Contractor Agreement: the last sentences of both Articles 13.1 and 13.1.2.

A40. Articles 13.1 and 13.1.2 shall remain.

Q41. Does the ATM abbreviation notes on Sheet 00Y-01 mean atmosphere?

A41. Yes.

Q42. Please remove spec section 017870-3.3.D in its entirety. The Contractor is not licensed to operate any facility - Public drinking water and wastewater treatment facilities require certified professional operators holding valid state environmental protection agency credentials (such as Ohio EPA operator certifications) corresponding to the classification and complexity of the plant. Additionally, the Contractor understand that the new Pump Station is non-occupied and remotely operated Pump Station.

A42. Contractor is not required to have a licensed operator to perform the operational demonstration.

Q43. In reference to 017870-3.3, please remove all stipulations that the Contractor is to perform maintenance activities while in Operational Demonstration. Once the equipment is in Beneficial Use to the Public, the Owner has the responsibility to maintain the facility.

A43. With the completion of Operational Demonstration, the equipment will be handed over to the Owner. Contractor retains ownership of equipment until Operational Demonstration is approved.

Q44. Please remove spec section 260500-1.2.B, neither the General Contractor/Prime Contractor nor the Electrical Subcontractor will be responsible to design or fill in imperative work scopes. As a standard Design, Bid, Build project delivery method the contractor cannot take responsibility of the Design nor fill-in critical gaps.

A44. Please see reworded section. **Intent of Drawings** – The Drawings are diagrammatic and indicate the general arrangement of systems and work included in the Contract. The Drawings, together with the Specifications, constitute the Contract Documents for construction of the electrical work. The intent is that all equipment and devices furnished and installed under this and other Sections be properly interconnected to permit successful system operation, including work reasonably inferable from the Contract Documents as necessary to produce the indicated result. This Section does not delegate design responsibility to the Contractor. Where the Contractor identifies a conflict, omission, or gap that cannot be resolved by reasonable inference, the Contractor shall notify the Engineer in writing and obtain clarification before proceeding. Delegated-design work, if any, is limited to that expressly identified in the Contract Documents.

Q45. Please remove spec section 260500-1.2C, the General Contractor/Prime Contractor nor the Electrical Subcontractor are responsible for the Design of the project and therefore will not absorb costs outside the Work shown on the bid/contract drawings. If the products specified are those that are actually installed, there will be no need to resize disconnect switches, motor starters, overload heaters, fuses or circuit breakers. The current language has potentially enormous costs that cannot be contemplated by Contractors at bid time or absorbed post bid.

A45. Please see reworded section. **Interpretation of Drawings** - The locations of equipment to which electrical connections are to be made are shown approximately on the Drawings. It shall be the Electrical Contractor's responsibility to determine exact conduit routing and connection points based on approved shop drawings and field conditions. Disconnect switches, motor starters, overload devices, fuses, and circuit breakers shall be provided in the sizes and types scheduled on the Drawings for the equipment specified. The Electrical Contractor shall compare approved shop drawings against the Drawings and shall notify the Engineer in writing of any discrepancy in electrical characteristics prior to ordering. Where equipment actually furnished differs from that specified — including Engineer-approved substitutions and Owner-furnished equipment — the Engineer will issue revised sizing, and any resulting cost or schedule impact will be addressed under the Contract's change provisions. Selection of motor overload devices to match the nameplate data of the motor actually furnished remains the Electrical Contractor's responsibility. Conduit and wire sizes shown on the Drawings are the minimum sizes required and shall not be reduced.

Q46. Provide explicit locations where the Contractor will encounter Hydrogen Sulfide atmosphere.

A46. Refer to Sheet 00G-05 for hazardous classifications.

Q47. Provide HVAC Control Detail Drawing, which is customarily provided in the bid/contract dwgs, including any interlocks and locations of seal-offs (boundary seals) required for conduit and wiring entering/leaving Classified areas.

A47. See Sheet 00M-03 for sequence of operation. See Sheet 00E-03 for fan wiring diagrams. See Sheet 00Y-01 for P&ID diagrams for fan information.

Q48. Can you clarify if the pressure gauges are to have transmitters?

A48. Pressure gauges shall be provided.

Q49. Can you clarify if both suction and discharge are to have pressure gauges and transmitters?

A49. Per the 30D drawings, yes there are gauges on both the suction and discharge side of the dry pit pumps.

Q50. Can you confirm the demonstration of the Electrical Equipment, stipulated to be 30-days in Specifications Section 260500-2.4.C. Is this able to run concurrently with the 30-day operational demonstration?

A50. This is to be concurrent.

Q51. In reference to Specification Section 260500-2.5.A.4, this stipulation is too broad and cannot make assessment of the costs. Can you provide a listing of all electrical spare parts to provide or remove this section?

A51. Contractor to confirm spare parts stipulated in this section with the manufacturer for the respective electrical equipment and or components.

Q52. Can you provide a visual depiction of the statement in Specification 409400 – 2.3.A?

A52. No.

Q53. Can paragraph 1.1.B in Specification Section 018000 be removed?

A53. Specification 018000 will not be modified.

Q54. Can details for installation be provided for the differential pressure transducer, LT-20? Where are the sensing lines to be installed in the EQ Basin?

A54. LT-20 shall be a Pulsar Ultrasonic level sensor mounted on a bracket.

Q55. Is detail 13 on SD-S-04, added in Addendum 02, a replacement for detail 8 on SD-S-04? If not, which anchor bolt manufacturer is to be provided for detail 8?

A55. Detail 13 is not intended to replace Detail 8 as they are not for the same purpose.

Q56. In reference to the typical pressure gauge detail on Sheet 30D-02, are all 8 (4 suction & 4 discharge) gauges all to be 0-200 psi?

A56. Yes.

Q57. Can a network architecture design, customarily provided for P&ID drawings be provided? 00Y-01 does not show how the PLC is communicating with SCADA.

A57. 00Y-01 is the only instrumentation drawing being provided.

Q58. Can you confirm the two EQ Drain Pump Local Control Stations are located on the EQ Drain Pump Station control rack? They are called out in the detail on 01E-01 but are not shown on the electrical drawings.

A58. Yes.

Q59. Is gas monitoring equipment to be provided? It is called out in Specification 409400 but not shown on Sheet 00Y-01.

A59. See Sheet 30E-01 Note 9 for gas detection equipment associated with the pump station HVAC Equipment.

Q60. Where are the alarm horn and strobes to be located for the gas monitoring equipment?

A60. See A59 & Note 9 for alarming via PLC.

Q61. In reference to Specifications 409400-2.7, can you confirm no Transit Time Meter – force Main Flow exists?

A61. Confirmed does not exist.

Q62. Can you confirm Specifications Section 409400-2.6 is for the flow meter shown on Sheet 00Y-01, as Tag FE/FIT-10? And provide a drawing showing the flow meter in the manhole?

A62. Yes. No drawing will be provided.

Q63. Can you provide a detail for the flow meter manhole?

A63. Provide standard Type B Eccentric Manhole, as shown on Sheet SD-C/D-02. Flow meter shall be centrally located within the manhole. Provide one coupling within meter manhole.

Q64. The electrical drawings do not have provisions to supply electrical service to the solenoid valves stipulated in Specification Section 460507-2.2.F. Can drawing details be provided?

A64. Solenoid valves are not required for the operation of the tipping buckets.

Q65. Sheet 00Y-01 does not show the solenoid valves stipulated in Specification Section 460507-2.2.F, can you provide details for the signal and control routing?

A65. Solenoid valves are not required for the operation of the tipping buckets.

Q66. Can you clarify why the dry pit pump scope suction flange is 10" but the bid drawings show 12"?

A66. Contractor shall provide appropriate reducers to connect the pump suction and discharge ends to the proposed piping.

Q67. Can you clarify why the submersible pump scope discharge flanges are 4" while the drawings show 8"?

A67. Contractor shall provide appropriate reducers to connect the pump suction and discharge ends to the proposed piping.

BID FORMS

1. **Replace** Manufacturer of Material and Equipment, Pages ME.1 to ME.6, with the enclosed Manufacturer of Material and Equipment, Pages ME.1A to ME.6A.
2. **Replace** Proposal, Page 45, with the enclosed Proposal, Page 45A.

PRICES TO INCLUDE

Add additional line items as provided below to Part 2 – Items:

2.2 General Allowance

The allowance shall cover the payment of additional work that is not included in the Contract Documents. Payment shall be made only for work which has the prior approval of the Owner.

This allowance shall also be used for direct costs charged by the utility company(s) associated with the project for work which can be performed only by the utility company. Invoices for all for all work completed by the utility company(s) or others shall be submitted as evidence of the work completed on the project.

No payment for this item will be made to the Contractor for utility work required when resulting from the Contractor's construction methods or rework due to his negligence or construction methods.

Any portion of the allowance not utilized shall be credited to the Owner.

2.3 Removal and Disposal of Dredged Material, As Per Plan

Method of Measurement

The quantity to be paid shall be the volume, in cubic yards, of sediment in the basin.

Basis of Payment

This unit price shall cover the cost of cleaning the interior of the detention basin. This includes all labor, equipment, and materials necessary to remove the sediment and send as a slurry to the new pump station. All material that is removed from the detention basin shall be passed through a 1" temporary bar screen provided by the Contractor. Contractor shall be responsible to remove and dispose of screened material.

This also includes the cost of the Contractor surveying the surface of the material within the interior of the detention basin one (1) week prior to the start of cleaning. The survey shall be used to determine actual quantity of material to be removed from the basin as a dry material quantity. Existing material is approximately 15% solids.

SPECIFIC PROJECT REQUIREMENTS

Revise Item 10 - PERIODIC PAYMENTS to read as follows:

10.1 This project is expected to be funded in whole or in part by the Ohio EPA WPCLF Program. The Contractor shall comply with all requirements of this program. The periodic payments to the Contractor may be made in whole or in part through the OWNER and/or OWDA. In the City/Contract Agreement, Item 10.3, change "thirty days" to "sixty days."

10.2 Ohio EPA must approve all change orders prior to a change order item being paid on a pay estimate.

SPECIFICATIONS

Replace Section I. TECHNICAL SPECIFICATIONS, pages 139 to 144 with the enclosed pages 139A to 144A.

Delete Specification Section 221429 SUMP PUMPS.

In Specifications Section 409400, **Add** 'Pulsar' as an acceptable manufacturer in paragraph 2.2.A.

In Specifications Section 409400, **Change** paragraph 2.6.A to the following:

- A. Acceptable Manufacturer
 - 1. Krohne America, Inc.

RS/CZ/MB:mep

Enclosures

Z:\Project Files\KA-LZ\Lorain\42706 - Martin Run Pump Station Bidding And Cons\P242706\SPEC\Addenda\Addendum 02\Addendum 02.Doc

B. INSTRUCTIONS TO BIDDERS

1. PRELIMINARY MATTERS

- a. The Project Owner is the City of Lorain, Ohio. The Construction Manager is Vincent Parcher
Senior Construction Manager
Accenture Infrastructure & Capital Projects (I&CP)
Akron, OH, USA
Mobile: 330.418.4278
vincent.parcher@accenture.com
The Owner's Site Representative will be from Accenture I&CP
- b. Site visits can be arranged by appointment. Bidders may contact Joseph Carbonaro via email to schedule, Joseph_Carbonaro@cityoflorain.org.
- c. In connection with the Legal Notice, the City of Lorain (hereinafter called the "City"), issues this Request for Bids for all labor, material, and services necessary for constructing the City of Lorain **Martin's Run Pump Station & Detention Basin Improvements** (the "Project"), as more fully described in the Contract Documents.
- d. Definitions. The word uses here shall have the following meanings:
 - i. "City" or "Owner" shall mean the City of Lorain, Ohio.
 - ii. "Bidder" or "Contractor" shall all mean an entity or person that submits a bid for the Project and ultimately the entity or person awarded the contract as applicable.
 - iii. "Contract Documents" shall mean the documents included with this bid solicitation and listed as Contract Documents in the City/Contractor Agreement.
 - iv. "O.R.C." shall mean the OHIO REVISED CODE.
- e. The Project consists of the following contract(s) for the work on the Project:
 - i. General Contract
- f. Estimate of Cost [O.R.C. 153.12(A)].
 - i. The total estimated construction cost for the base bid Work for the Project for which the City is soliciting bids at this time is a Base Bid of \$11,250,000.00.
- g. Per City of Lorain directive no public bidders list will be distributed for any projects for the City of Lorain.

2. CONTRACTOR QUALIFICATIONS, REGISTERED CONTRACTORS, INCOME TAX, PERMITTING

- a. A Bidder may be a person, private entity, or any combination of such entities supported by a letter of intent to enter into an agreement or under an existing agreement in association in the form of a joint venture or other consortium. In the case of a joint venture or other consortium:

MANUFACTURERS OF MATERIAL AND EQUIPMENT TO BE FURNISHED

City of Lorain, Ohio

Martin's Run Pump Station and Detention Basin Improvements

Specific equipment has been used in preparing the CONTRACT DOCUMENTS, establishing a minimum quality that is acceptable. The BIDDER must prepare its Base BID on equipment manufacturers listed below. The manufacturers listed below are not a complete list of all equipment needed for the project; the BIDDER is responsible for reviewing the CONTRACT DOCUMENTS for all equipment required for a complete project.

For Base BID equipment items that have only one manufacturer listed, that manufacturer's equipment shall be included in the Base BID. For Base BID equipment items that have more than one manufacturer listed, the BIDDER is required to indicate by an "X" in the spaces provided, the equipment proposed to be furnished as part of the Base BID. One "X" and one "X" only shall be entered for each separate Base BID category of material or equipment.

In addition to the BIDDER selecting a BASE BID equipment item, BIDDERS may quote on alternate equipment by listing it under "Alternate Bid Equipment" for each separate category of material or equipment identified as a Base BID item. The BIDDER shall indicate its alternates by inserting the manufacturer's name in the space provided and inserting the dollar amount (in figures) in the column labeled "Deduct From Base BID." The BIDDER shall indicate the dollar amount for each alternate listed and shall include all money required to incorporate the alternate into the PROJECT.

The BID will be reviewed based on the Base BID equipment submitted. Alternative equipment will be reviewed after the BID is submitted as part of the submittal review process. The OWNER reserves the right to accept or reject any of the alternates proposed and, if so, the BIDDER shall then supply equipment from one of the Base BID manufacturers identified on the list (in writing, and prior to the project being awarded and contract executed).

Each BIDDER is required to follow these directions. Any bidding form that is submitted not in compliance with these directions may be rejected by the OWNER and that BID not considered in determining award.

BIDDERS must complete all items.

07 31 13 – ASPHALT SHINGLES

- ☐ a. CertainTeed Corporation
- ☐ b. GAF Materials Corporation
- ☐ c. Timko
- ☐ d. Owens Corning
- ☐ e. _____

08 11 49 – STAINLESS STEEL DOORS AND FRAMES

- ☐ a. Amweld Building Products, Inc.
- ☐ b. Ceco Door Products; a United Dominion Company.
- ☐ c. Fenestra
- ☐ d. Pioneer Industries Inc.
- ☐ e. Republic Builders Products.
- ☐ f. Steelcraft; a division of Ingersoll-Rand.
- ☐ g. _____

08 51 13 – ALUMINUM WINDOWS

- ☐ a. Capitol Aluminum and Glass Corporation - Model 325 ES
- ☐ b. EFCO Corporation - Model 8101
- ☐ c. Graham Architectural Products Corp - Model 6800
- ☐ d. _____

22 33 00 – ELECTRIC, DOMESTIC-WATER HEATERS

Commercial electric water heaters

- ☐ a. A.O. Smith Products Company
- ☐ b. Lochinvar Corporation
- ☐ c. Rheem Manufacturing Company
- ☐ d. State Industries
- ☐ e. _____

Expansion Tanks

- ☐ a. AMTROL, Inc.
- ☐ b. Smith, A.O.: Aqua-Air Div.
- ☐ c. State Industries, Inc.

- ☐ d. Taco, Inc.
- ☐ e. Watts Regulator Co.
- ☐ f. Wessels Co.
- ☐ g. _____

23 81 26 – SPLIT-SYSTEM AIR-CONDITIONING UNITS

- ☐ a. Carrier Air Conditioning; Div. of Carrier Corporation
- ☐ b. Mitsubishi Electronics America, Inc.; HVAC Division.
- ☐ c. Sanyo Fisher (U.S.A.) Corp.
- ☐ d. Trane Company (The); Unitary Products Group
- ☐ e. York International Corp
- ☐ f. _____

23 83 39 – ELECTRIC HEATERS

- ☐ a. Berko, Division of Marley Products
- ☐ b. Markel Products Co.
- ☐ c. Chromalox, Inc.
- ☐ d. Electromode
- ☐ e. Indeeco
- ☐ f. _____

23 84 16.16– INDOOR, MECHANICAL DEHUMIDIFICATION UNITS

- ☐ a. Dectron
- ☐ b. Dehumidifier Corporation of America
- ☐ c. Desert Aire
- ☐ d. Therma-stor
- ☐ e. _____

26 22 13 – DRY-TYPE TRANSFORMERS

- ☐ a. Eaton
- ☐ b. Seimens Energy & Automation, Inc.
- ☐ c. Square D/ Schneider Electric
- ☐ d. _____

26 24 19 – MOTOR CONTROL CENTERS

- ☐ a. Square D
- ☐ b. Eaton

- ☐ c. GE/ABB
- ☐ d. _____

26 29 23 – VARIABLE FREQUENCY DRIVES

- ☐ a. ABB
- ☐ b. Allen-Bradley
- ☐ c. Eaton
- ☐ d. Toshiba
- ☐ e. Danfoss
- ☐ f. _____

26 36 00 – AUTOMATIC TRANSFER SWITCHES

- ☐ a. Zenith (GE/ABB)
- ☐ b. Russelectric
- ☐ c. ASCO
- ☐ d. Rehlko
- ☐ e. _____

40 05 23 – PROCESS VALVES

Gate

- ☐ a. American- Darling
- ☐ b. Clow
- ☐ c. M & H
- ☐ d. Stockham
- ☐ e. U.S. Pipe
- ☐ f. _____

Check

- ☐ a. American- Darling
- ☐ b. Clow
- ☐ c. Empire-GA
- ☐ d. Mueller
- ☐ e. U.S. Pipe
- ☐ f. _____

Plug

- ☐ a. DeZurik
- ☐ b. Keystone
- ☐ c. Milliken
- ☐ d. _____

40 90 00 – FIELD MOUNTED INSTRUMENTATION EQUIPMENT

Ultrasonic Level Sensor

- ☐ a. Pulsar
- ☐ b. Endress & Hauser
- ☐ c. Bristol Babcock
- ☐ d. Magnatrol
- ☐ e. BB
- ☐ f. _____

Magnetic Flow Meter

- ☐ a. Krohne America

41 22 00 – HOISTS, TROLLEYS, AND MONORAILS

Trolleys

- ☐ a. David Round and Son, Inc.
- ☐ b. _____

Hoists

- ☐ a. David Round and Son, Inc.
- ☐ b. Yale
- ☐ c. P & H
- ☐ d. Acco-Wright
- ☐ e. Demag
- ☐ f. _____

43 21 00 – PUMPING EQUIPMENT

- ☐ a. Vaughn

46 05 07 – TIPPING BUCKETS

() a. ACU-TIP by Grande Water Management Systems

() b. _____

Proposal to City of Lorain
For Martin’s Run Pump Station and Detention Basin Improvements

Project No. 242706

REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
1	(203) REMOVAL AND DISPOSAL OF DREDGED MATERIAL, AS PER PLAN	890.00	CY	\$	\$	\$	\$
2	(SPC) GENERAL CONSTRUCTION	1.00	LS	\$	\$	\$	\$
3	(SPC) GENERAL ALLOWANCE (10%) FOR REF. NOS. 1 and 2	1.00	LS	\$	\$	\$	\$
INFORMAL TOTAL BID				\$			

I. TECHNICAL SPECIFICATIONS

DIVISION 1 - GENERAL REQUIREMENTS

011100	SUMMARY OF WORK
011419	USE OF SITE
011423	ADDITIONAL WORK, OVERTIME
012513	PRODUCT SUBSTITUTION PROCEDURES
013119	PROJECT MEETINGS
013216	CONSTRUCTION PROGRESS SCHEDULE
013223	SURVEY AND LAYOUT DATA
013236	VIDEO MONITORING AND DOCUMENTATION
013319	FIELD TEST REPORTING
013320	SUBMITTALS
013323	SHOP DRAWINGS, PRODUCT DATA AND SAMPLES
013325	WARRANTY
013326	PRODUCT TESTING AND CERTIFYING
013543	ENVIRONMENTAL PROTECTION
014126	GENERAL REGULATIONS AND PERMITS
014223	INDUSTRY STANDARDS
014323	QUALIFICATIONS OF TRADESMEN
015113	TEMPORARY HEATING, LIGHTING, AND POWER
015136	TEMPORARY WATER AND DISTRIBUTION
015213	FIELD OFFICES AND FIRST AID
015526	TEMPORARY TRAFFIC CONTROL DEVICES
016600	PRODUCT HANDLING AND PROTECTION
017800	FINAL COMPLIANCE AND SUBMITTALS
017821	CLEANING AND PROTECTION
017823	MAINTENANCE MANUALS
017839	PROJECT RECORDS, DRAWINGS
017850	STARTING OF SYSTEMS & COMMISSIONING
017860	TESTING, ADJUSTING, AND BALANCING
017870	OPERATIONAL DEMONSTRATION
017900	MAINTENANCE
018000	SYSTEM PERFORMANCES

DIVISION 2 - EXISTING CONDITIONS

024116.13 BUILDING DEMOLITION

DIVISION 3 - CONCRETE

030000 CONCRETE WORK
033055 MASS CONCRETE THERMAL CONTROL
034000.02 PRECAST CONCRETE MANHOLES

DIVISION 4 - MASONRY

042000 UNIT MASONRY
042613 MASONRY VENEER
047200 CAST STONE MASONRY

DIVISION 5 - METALS

051200 STRUCTURAL STEEL FRAMING
055000 METAL FABRICATIONS
055116 ALUMINUM FLOOR PLATES AND FRAMES
055119 METAL GRATING STAIRS
055200 ALUMINUM HANDRAILS
055310 ACCESS HATCHES, AND ACCESS DOORS

DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES

061053 MISCELLANEOUS CARPENTRY
161600 SHEATHING
061753 SHOP-FABRICATED WOOD TRUSSES

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

072100 THERMAL INSULATION
072600 VAPOR RETARDERS
072726 FLUID-APPLIED MEMBRANE AIR BARRIERS
073113 ASPHALT SHINGLES
074646 FIBER-CEMENT SIDING
076300 SHEET METAL FLASHING AND TRIM
079200 JOINT SEALANTS

DIVISION 8 - OPENINGS

081149	STAINLESS STEELS DOORS AND FRAMES
085113	ALUMINUM WINDOWS
087100	DOOR HARDWARE

DIVISION 9 - FINISHES

092900	GYPSUM BOARD
099100	PAINTING
099700	SPECIAL COATINGS

DIVISION 22 - PLUMBING

220500	BASIC PLUMBING MATERIALS AND METHODS
220519	METERS AND GAGES FOR PLUMBING PIPING
220523	VALVES FOR PLUMBING PIPING
220529	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
220553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
220719	PLUMBING PIPING INSULATION
221116	DOMESTIC WATER PIPING
221316	SANITARY WASTE AND VENT PIPING
221429	SUMP PUMPS
221600	NATURAL GAS PIPING
223300	ELECTRIC, DOMESTIC-WATER HEATERS
224000	PLUMBING FIXTURES
224210	PLUMBING SPECIALTIES

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

230512	BASIC HVAC MATERIALS AND METHODS
230529	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
230553	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
230593	TESTING, ADJUSTING, AND BALANCING
230600	COMMISSIONING OF HVAC
230713	HVAC INSULATION
233113	METAL DUCTS
233300	DUCT ACCESSORIES

233423	POWER VENTILATORS
233713	DIFFUSERS, REGISTERS, GRILLES, AND LOUVERS
235100	BREECHINGS, CHIMNEYS AND STACKS
237333.16	INDIRECT-FIRED HEATING AND VENTILATING UNITS
238126	SPLIT-SYSTEM AIR-CONDITIONING UNITS
238339	ELECTRIC HEATERS
238416.16	INDOOR, MECHANICAL DEHUMIDIFICATION UNITS

DIVISION 26 - ELECTRICAL

260500	GENERAL REQUIREMENTS
260519	LOW VOLTAGE CONDUCTORS AND CABLES
260520	SHIELDED CABLE
260526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
260529	SUPPORTING DEVICES
260533	CONDUIT
260534	BOXES AND ENCLOSURES
260553	ELECTRICAL IDENTIFICATION
262213	TRANSFORMERS
262416	PANELBOARDS
262419	MOTOR CONTROL CENTERS
262816	ENCLOSED SWITCHES
262923	VARIABLE FREQUENCY DRIVES
263213.16	NATURAL GAS ENGINE GENERATOR SETS
263600	AUTOMATIC TRANSFER SWITCHES
264313	TRANSIENT VOLTAGE SUPPRESSION

DIVISION 31 - EARTHWORK

310000	EARTHWORK
312319	DEWATERING
315000	EXCAVATION SUPPORT AND PROTECTION
316615	HELICAL PILE FOUNDATIONS

DIVISION 32 - EXTERIOR IMPROVEMENTS

329200.19	SEEDING AND MULCHING
329300.23	TREE, SHRUBS, AND GROUND COVER

DIVISION 33 - UTILITIES

330130 MISCELLANEOUS TEMPORARY FACILITIES
333100 SANITARY SEWER SYSTEM

DIVISION 40 - PROCESS INTEGRATION

400507 PROCESS PIPE HANGERS AND SUPPORTS
400523 PROCESS VALVES
402336 PROCESS PIPE AND FITTINGS
406113 CONTROL PANEL AND SCADA SYSTEM
409400 FIELD MOUNTED INSTRUMENTATION EQUIPMENT
409630 PROCESS CONTROL – FUNCTIONAL DESCRIPTIONS

**DIVISION 41 - MATERIAL PROCESSING AND HANDLING
EQUIPMENT**

412200 HOISTS, TROLLEYS, AND MONORAILS

**DIVISION 43 - PROCESS GAS AND LIQUID HANDLING,
PURIFICATION AND STORAGE EQUIPMENT**

432100 PUMPING EQUIPMENT

DIVISION 46 - WATER AND WASTEWATER EQUIPMENT

460507 TIPPING BUCKETS