ADDENDUM NO. 3

June 9, 2021

HANOVER COMMUNITY SCHOOL CORPORATION - NEW RESOURCE CENTER AND RELATED WORK

Cedar Lake, IN 46303

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated May 17, 2021 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of page ADD 3-1 through ADD 3-3 and attached Addendum No. 3 from Gibraltar Design dated June 9, 2021 and consisting of 1 page, Specification Section 11 11 26 – Vehicle Wash System, Specification Section 11 11 33 – In-Ground Vehicle Lifts, and Specification Section 33 50 00 – Fuel Equipment and Distribution System.

A. SPECIFICATION SECTION 00 00 10 - TABLE OF CONTENTS

1. **Add:**

   Specification Section 11 11 26 – Vehicle Wash System
   Specification Section 11 11 33 – In-Ground Vehicle Lifts
   Specification Section 33 50 00 – Fuel Equipment and Distribution System

B. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. **BID CATEGORY NO. 1 – SITEWORK/UTILITES/PAVING**

   a. **Add:**

   Clarification No. 13
   Reference drawing sheet C-2.1; The **Bid Category No. 2 Contractor** shall provide the concrete pads required for the fuel tanks and pumping stations.

2. **BID CATEGORY NO. 2 – GENERAL TRADES**

a. **Add:**

Specification Section 11 11 26 – Vehicle Wash System
Specification Section 11 11 33 – In-Ground Vehicle Lifts
Specification Section 33 50 00 – Fuel Equipment and Distribution System

Clarification No. 11
Reference Plumbing and Mechanical Drawings; The **Bid Category No. 2 Contractor** shall provide all roof curbs and boots required for plumbing and mechanical penetrations. Coordinate final locations and sizes with the **Bid Category No. 8 and 9 Contractors**.

Clarification No. 12
Reference drawing sheet C-2.1; The **Bid Category No. 2 Contractor** shall provide the concrete pads required for the fuel tanks and pumping stations.

Clarification No. 13
Reference Mechanical, Plumbing and Electrical drawings; The **Bid Category No. 2 Contractor** shall make all final connections required for the bus wash equipment. Coordinate requirements with the **Bid Category 8, 9 and 10 Contractors.**

3. **BID CATEGORY NO. 8 – PLUMBING**

a. **Add:**

Clarification No. 4
Reference Plumbing and Mechanical Drawings; The **Bid Category No. 2 Contractor** shall provide all roof curbs and boots required for plumbing and mechanical penetrations. Coordinate final locations and sizes with the **Bid Category No. 8 and 9 Contractors**.

Clarification No. 5
Reference Mechanical, Plumbing and Electrical drawings; The **Bid Category No. 2 Contractor** shall make all final connections required for the bus wash equipment. Coordinate requirements with the **Bid Category 8, 9 and 10 Contractors.**

4. **BID CATEGORY NO. 9 – MECHANICAL**

a. **Add:**

Clarification No. 3
Reference Plumbing and Mechanical Drawings; The **Bid Category No. 2 Contractor** shall provide all roof curbs and boots required for plumbing and mechanical penetrations. Coordinate final locations and sizes with the **Bid Category No. 8 and 9 Contractors**.

Clarification No. 4
Reference Mechanical, Plumbing and Electrical drawings; The **Bid Category No. 2 Contractor** shall make all final connections required for the bus wash equipment. Coordinate requirements with the **Bid Category 8, 9 and 10 Contractors.**

5. **BID CATEGORY NO. 10 – ELECTRICAL**

a. **Add:**

Clarification No. 6
Reference Mechanical, Plumbing and Electrical drawings; The **Bid Category No. 2 Contractor** shall make all final connections required for the bus wash equipment. Coordinate requirements with the **Bid Category 8, 9 and 10 Contractors.**

ADDENDUM THREE

Addendum Three (AD.03) to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Hanover CSC New Resource Center and Related Work** for Hanover Community School Corporation, Cedar Lake, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original BID CATEGORY NO. Documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One and Addendum Two, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. **Specification Section 11 11 26 Vehicle Wash System**
   A. Add Specification Section 11 11 26, Vehicle Wash System, included in this Addendum, to the Project Manual.
2. **Specification Section 11 11 33 In-Ground Vehicle Lifts**
   A. Add Specification Section 11 11 33, In-Ground Vehicle Lifts, included in this Addendum, to the Project Manual.
3. **Specification Section 33 50 00 Fuel Equipment and Distribution System**
   A. Add Specification Section 33 50 00, Fuel Equipment and Distribution System, included in this Addendum, to the Project Manual.

Page 1 and Specification Sections 11 11 26, 11 11 33 and 33 50 00 constitute the total makeup of **Addendum Three**.

GIBRALTAR DESIGN

Y:\20-141 Hanover CSC - New Resource Center\Specs\Addendum #3\AD03.doc

SECTION 11 11 26
VEHICLE WASH SYSTEM

1 General

1.1 Section Includes

A. Automated Bus Wash System.

1.2 Submittals

A. Submit product data under provisions of Division 1.

1. Include physical dimensions, operational features, color and finish, anchorage details, rough-in measurements, location, all components, and manufacturers details coordinated with project.

2. Include operating characteristics, electrical requirements, and furnished accessories.

B. Shop Drawings: For each installation and for special components not dimensions or detailed in Product Data. Include plans, elevations, locations, sizes, weights, loadings, and attachments.

1. Include details associated with all assemblies.

2. Installation instructions and recommendations.

3. Wiring Diagrams: For power, signal, and control wiring.

C. Warranties and certificates.

D. Maintenance Manuals: Include all operating instructions, maintenance data, lists of parts inventory, purchase sources, emergency procedures, and all similar data.

1.3 Quality Assurance

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.

1.4 Delivery, Storage, and Handling

A. Follow manufacturer’s directions for handling product and materials from factory to project site.

B. Storage Protection: After delivery and before installation, protect product from high humidity and temperature extremes.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.5 Delivery, Storage, and Handling

A. Equipment warranty will cover One (1) year commencing upon the date of the first wash. This warranty will cover the repair or replacement of equipment or material that causes any operational disturbances due to manufacturing defects or installation defects occurring within the stated 1 year period.

B. Ten (10) Year warranty on steel framework including galvanizing, welds and overall integrity.

2 Products

2.1 Performance Requirements

A. General Performance: System is to be fully automated and utilze a liquid wash pressure system.

2.2 Manufactures

A. Hydro-Chem Systems, Inc., Caledonia, Michigan.

B. Or Approved Equal.

2.3 Vehicle Wash System

A. Basis of Design: Hydro-Chem Systems, Inc., Bus Wash System.

1. Three Detergent and Rinse Arches.
2. Guide Railing System, with all accessories.
3. Under-Body capability spray.
4. Magntic Loop Sensors.
5. Master Control Panel, air control panels, detergent modules, rinse pump motor starter, and booster pump motor starter.
6. Rinse and Booster pumps.
7. Traffic Lights and Pace Lights.
8. Detergent and Rinse Water Tank.
9. Utility Requirements:
    a. Water: 1 1/2 – inch Cold Water, with 60 psi for system operation.
    b. Electrical: 3-Phase 20 amps @ 460/480 VAC. Main unit and 1-Phase 10 amps @ 110/120V for Control and Determgent systems.

B. Provide all technical documents for plumbing and electrical systems for sub-contractor's installations.

C. All miscellaneous accessories for a complete installation.

3 Execution

3.1 Inspection

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for proper installation of complete system.

B. Examine locations of electrical connections.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation

A. Manufacturer to provide at minimum two (2) technicians to assist in installation and setup of Bus Wash System.

1. Verification of all install components, including pumps and electrical connection.
2. Calibration of all equipment, including detergent modules.
3. Programing of Master Control Panel. Provide update software at time of installation.
4. Training of Owner's Staff.
5. Provide Video Tape of Training Session.
6. Provide Safety Training and preventative Maintenance of System.

END OF SECTION

SECTION 11 11 33
IN-GROUND VEHICLE LIFTS

1 General

1.1 Section Includes

A. Heavy duty high pressure-low volume continuous trench in-ground vehicle lifts.

1.2 Quality Assurance

A. Conform to applicable code requirements for lift systems.

1.3 Submittals

A. Submit product data under provisions of Division 1.

1. Include physical dimensions, operational features, color and finish, anchorage details, rough-in measurements, location, all components, and manufacturers details coordinated with project.

2. Include rated capacities, operating characteristics, electrical requirements, and furnished accessories.

B. Shop Drawings: For each installation and for special components not dimensions or detailed in Product Data. Include plans, elevations, locations, sizes, weights, loadings, and attachments.

1. Include details associated with all assemblies.

2. Installation instructions and recommendations.

3. Wiring Diagrams: For power, signal, and control wiring.

C. Permits and Certificates: Secure and deliver to Owner those permits and certificates required by governing authorities to allow for normal operation of these lifts.

D. Warranties and certificates.

E. Maintenance Manuals: Include all operating instructions, maintenance data, lists of parts inventory, purchase sources, emergency procedures, and all similar data.

1.4 Quality Assurance

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.

B. Manufacturer Qualifications: Engage a firm experienced in manufacturing in-ground lifts similar to those indicated for this Project and with a record of successful in-service performance.

C. Source Limitations: Obtain lifts, accessories, and all components from single source from single manufacturer.

D. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
2. AWS D1.3, "Structural Welding Code - Sheet Steel."

E. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and applica- tion.

F. Standards and Regulatory Requirements: In addition to all other requirements outlined herein, the lifts shall comply with the requirements of ANSI/ALI ALCTV-1998 “Safety Requirements for the Construction, Testing, and Validation”, as published by the American National Standards Institute.

1.5 Delivery, Storage, and Handling

A. Follow manufacturer’s directions for handling product and materials from factory to project site.

B. Packing and Shipping: Pack materials for delivery in manufacturer’s standard coverings to protect product from damage during shipping and storing.

C. Storage Protection: After delivery and before installation, protect product from high hu- midity and temperature extremes.

D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.6 Warranty

A. System Warranty: Submit written warranty, signed by the Contractor, Installer, and the Manufacturer, guaranteeing to correct failures in the lift system which occur within the warranty period, without reducing or otherwise limiting any other rights to correction which the Owner may have under the contract documents.

1. Warranty period is two years from date of substantial completion of the project.
2. Warranty shall include all parts and labor.
3. In-ground lifts shall not be used for temporary service during construction.

4. Lifts shall be warranted to be manufactured from sound materials in a workman like manner and guaranteed against failure due to defective materials and/or workmanship.

2 Products

2.1 Performance Requirements

A. General Performance: In-ground vehicle lifts shall meet performance requirements specified without failure due to defective manufacture, fabrication, installation, or other defects in construction.

B. Delegated Design: Design lifts, including comprehensive engineering analysis by a quali- fied professional engineer, using performance requirements and design criteria indicated.

C. Configuration: Lifts shall consist of two individual lifting cylinder assemblies in line with the longitudinal axis of the vehicle, each lifting cylinder so equipped as to engage the axel or suspension as specified herein. One of the two lifting cylinder assemblies shall be movable along this same axis to allow variable spacing between the lifting cylinder as- semblies. The movable unit will hereinafter be referred to as the “front post” and the stationary unit will be the “rear post”. Both posts shall be housed in a continuous trench from front to rear and shall be powered by a high-pressure low volume system.

2.2 Manufactures

A. Rotary Lift, Indianapolis, Indiana.

B. Stertil-Koni USA, Inc, Stevensville, Maryland.

2.3 Materials

A. Steel Plates, Shapes, and Bars: ASTM 36/A 36M.

B. Rolled-Steel Floor Plate: ASTM A 786/A 786M, rolled from steel plate complying with ASTM A 572/A 572M, Grade 55 (380).

C. Steel Tubing: ASTM A 500, cold formed.

D. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal al- loy welded.

2.4 Hydraulic Lifts

A. Basis of Design: Rotary Lift, MOD35FLEX, 2-Post System.

1. Adjustable, axle engaging, high pressure/low volume lifts with continuous trench design and shutter plate covers.

2. Capacity: Capable of raising 70,000 ibs. (35,000 lbs. per post).

B. Wheel Base Adjustment: Wheel base adjustment per manufacturers standard system, complying with all safety standards.

1. Provide wired and remote-control operators.

C. Complete system components for full operation and turn-key operation.

1. Two-Post System, Heavy Duty in-ground modular unit, self-contained, one stationary jack unit, separate Control Panel with a VEC Equalizated System, Adaptor Kits for School Bus and Pickup Trucks, and Cars, Liquid Evacuation Kit, Preconfigured Reinforcing Rebar Mat per manufacturer sized for unit installation, and Adaptor Stand Kit.

3 Execution

3.1 Inspection

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.

B. Examine locations of electrical connections.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation

A. Install lifts and operating equipment according to manufacturer's written instructions and as specified.

B. Trench walls: Prior to casting of concrete, coordinate with other trades to ensure cast-in- place concrete trench walls are constructed according to lift manufacturer's requirements.

C. Oil Piping: Install oil supply and return piping from power unit to lifts. All underground oil piping shall have secondary containment. Coordinate this work with that of other trades prior to back filling or casting of concrete.

D. Wiring: Install wiring and conduit from disconnect switch (including connection at the dis- connect switch) to power unit. Disconnect switch will be installed by the electrical contrac- tor.

E. Provide and install all fluids, lubricants and other consumable products required for oper- ation of the complete system.

3.3 Startup Services

A. Engage a factory-authorized service representative to perform startup service resulting in trouble-free operation of the complete system.

B. Complete installation and startup checks according to manufacturer's written instructions under full loading.

C. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

D. Demonstration: Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain lifts and accessories.

END OF SECTION

SECTION 33 50 00
FUEL EQUIPMENT AND DISTRIBUTION SYSTEM

1 General

1.1 Section Includes

A. Packaged Above Ground Fuel Storage Tank, Pumps and Dispensing Unit.

B. Above Ground Tank Level Monitoring System.

1.2 Related Sections

A. Section 31 11 00 - Site Clearing.

1.3 Submittals

A. Submit Shop Drawings and Product Data under provisions of Division 1.

B. Submit manufacturers installation instructions under provisions of Division 1.

C. Provide all Certifcates and Permits as required for installation.

1.4 Delivery, Storage, and Protection

A. Protect Products under provisions of Division 1.

2 Products

2.1 Equipment

A. Above Ground Fuel Storage Tank, Pumps and Dispensing Unit: Envirosafe or Delta Tank Fuel System: Flameshield 15,000 Gallon Dispenser 2. Two-hour rating tested to SWRI 97-04 NFPA 30 A Fire Resistant Tank. 10,000 diesel/5,000 Unleaded Gas Tank mounted on saddles. Provide all low voltage control wiring. Provide and install a complete operating turn-key system.

1. Provide and install Tank Pads sized and designed for each tank.

B. Site Distribution and Management System: Basis of Design is Atlas Series Fueling System. System to include Tank Mouted Pump basis of Design is Atlas 9823K. System to include at Pump fuel-authorization terminal, basis of Design is Atlas Prime. Basic High Flow Dispensing Unit, basis of Design Atlas 9853K. Dispensing units to include Automatic Shutoff Nozzles and Breakaway Swivel.

1. Acceptable Manufactures: Envirosafe Fueling Systems, Wayne Fueling Systems, and Dover Fueling Systems. Provided equal to basis of design.

C. Site Communication and Technology System: Provide Site Controller compatable with Fueling System as manufactured and utilized on Fueling System being provided. Provide turn-key control and programming.

D. Level Monitoring System: Veeder Root TLS 450 Above Ground Tank Monitoring System to include three monitors for the above ground fuel storage tank. Provide all low voltage control wiring and connection the Owner's LAN. The following shall be include all probes, Water detectors, Kits for installation of probes and detectors, cables sized as required, liquid sensor interface, and any other accessories required for safe operations and recommended by Manufacturer.

2.2 Accessories

A. Fueling Island: Complete reinforced Concrete dispensing island for the two pump units required for design.

1. Fuenish and install all required tank top fittings, underground double-walled piping, dispenser island with steal reinforced perimeter edge, all above ground piping, bases for dispensing units, bollards, conduits in ground and above ground for electrical and data connections.

3 Execution

3.1 Installation

A. Install equipment and systems in accordance with Manufacturers specifications and recommendations.

B. Coordinate all system with other trades and Construction Manager.

END OF SECTION