Addendum No. 1
Erie Snow Removal (SRE) Building

Project name:	Parking Lot Reconfiguration and Canopy	Client:	Erie Regional Airport Authority
Project location:	Erie, PA	Client representative:	Kimberlie Sharrer
Project number:	3225600-192500.01	Mead & Hunt, Inc. manager:	Sean Thompson
Date:	April 8, 2020	Mead & Hunt Inc. phone:	517.321.8334

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid.

I. GENERAL

A. Bids will be received until 10:30 a.m. on April 17, 2020.
B. Bids will be opened and read at 11:00 a.m. on April 17, 2020, in the Airport Terminal Lobby public seating area.
C. Pre-bid invitee list attached.

BID DATE AND TIME SHOULD CORRESPOND TO DATE AND TIME INDICATED IN ADVERTISEMENT FOR BIDS, UNLESS DATE AND TIME HAS BEEN CHANGED IN THIS OR PREVIOUS ADDENDUMS.

II. GENERAL QUESTIONS AND ANSWERS

A. Owners Builders Risk Policy will be provided by the owner.
B. Bonding and Insurance forms may utilize electronic signatures.

III. PROPOSAL DOCUMENTS

A. Bid Form to be replaced in its entirety with Bid Form enclosed in Addendum No. 1

III. DRAWINGS

A. Reference sheet C-109. Remove reference to lane width shown as 10’-0”. Gate arm width is variable and shall be coordinated with plan sheets C-101, C-102, C-103, C-104 and C-105.
B. Reference sheet C-110. Remove reference to lane width shown as 10’-0”. Gate arm width is variable and shall be coordinated with plan sheets C-101, C-102, C-103, C-104 and C-105.
C. Reference sheet C-111. Remove reference to lane width shown as 10’-0”. Gate arm width is variable and shall be coordinated with plan sheets C-101, C-102, C-103, C-104 and C-105.
D. Reference sheet A-101. Contractor shall provide the following at column line A between column lines 1 and 4: Weld 1 ½” Eye hook to columns at 36” above finished pavement height and provide a 60’ long security chain to be painted traffic yellow color.

E. Reference sheet E-001.

a. Detail 1:

1. Revise feeder to gate motors fed from panel LSC as follows: Gates 2, & 6, 2-#8, 1-#8G, 1" conduit, Gates 1 & 5 2-#6, 1-#6G, 1" conduit.

2. Revise note at gate to read "Typical of 5" from "Typical of 4" for gate conduits, circuit based on voltage drop.

3. Add General Note 2: 2. Refer to Civil Drawing for Gate Locations.

4. Add note "Typical of 3" for Card Reader circuits/conduits fed from parking canopy.

5. Add note: Refer to Panelboard LSC for gate and card reader circuits.

6. Provide connection to receptacle at gate (provided by gate supplier) from gate circuit.

7. Revise note to "Typical of 3" from "Typical of 4" for card reader communications conduits fed from parking canopy.

b. Panelboard LSC:

8. Circuit gate motors 1,2,3,5,6 to circuits LSC-21, 22, 23, 24 & 25 respectively.

9. Revise Circuit 4 to read Card Reader Gate 2, Revise Circuit 6 to read Card Reader Gates 6. Revise Circuit 8 to read Card Reader Gates 1. Replace 1-20A/2P breaker with 2-20A/1P breakers.

IV. SPECIFICATIONS

A. Section 111200 – Parking Control Equipment: Replace in its entirety with new Section 111200 – Parking Control Equipment (enclosed)

B. Reference Specification Section 051200 – Structural Steel Framing: Delete paragraph 1.6, B referring to AISC certification.

C. Reference section 074113.13 – Formed Metal Roof Panels, Item 2.1, J, 2: Add Drexel Metal, A Carlisle Company to the list of acceptable manufacturers.

D. Reference section 074213 – Formed Metal Wall Panels, Item 2.1, B, 2: Add Drexel Metal, A Carlisle Company to the list of acceptable manufacturers.

E. Reference section 074293 – Soffit Panels, Item 2.2, B, 2: Add Drexel Metal, A Carlisle Company to the list of acceptable manufacturers.

END OF ADDENDUM

PRE-BID MEETING SIGN-IN SHEET

PROJECT: Parking Lot Reconfiguration and Canopy

DATE: Monday, April 6, 2020

PLACE: Teleconference

NAME	REPRESENTING	E-MAIL ADDRESS
Andrew Wawrzyniak	EE Austin	awawrzyniak@eeaustin.com
Olaf Aavik	Newco Electric	oaavik@newcoelectric.com
Debbie Corbin	Waller Construction	debbie@wallercorporation.com
Cory Laminson	AW Farrell	Cory.Lamison@AWFarrell.com
Tyler Jaggi	Newco Electric	tjaggi@newcoelectric.com
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Jeff Baker	Lindy Paving	Jeff.Baker@lindypaving.com
Tom Gregg	Thomas Construction	TGregg@Thomas-Construction.com
Larry Gilchrist	Church and Murdock	larry@churchandmurdock.com
Don Crenshaw	Blue Rock Construction	dcrenshaw@zacassociates.org
Sean Thomas	Thomas Construction	srthomas@thomas-construction.com
Chris	Waller Construction	Chris@wallercorporation.com

Randy	**Cleveland Construction**	**randys@clevelandconstruction.com**
Greg Tilburg	**Alex Roofing**	**gregtilburg@alexroofing.com**
James Donahoe	**Caliber Contracting Services**	**jdonahoe@calibercontractingservices.com**
Brian Voytik	**Thomas Construction**	**bvoytik@thomas-construction.com**

BASE BID:

CSI Division	Description	Breakdown	Subtotals	Totals
01	**General:**	General Conditions:	$_____	
		Allowances:	$ 70,000.00	
	TOTAL:			$
02	**Sitework:**			
	TOTAL:			$
03	**Concrete:**			
	TOTAL:			$
05	**Metals:**			
	TOTAL:			$
06	**Wood:**			
	TOTAL:			$
07	**Thermal & Mositure Protection:**			
	TOTAL:			$
08	**Doors & Windows:**			
	TOTAL:			$
09	**Finishes:**			
	TOTAL:			$
10	**Specialties:**			
	TOTAL:			$
11	**Equipment:**			
	TOTAL:			$
22	**Plumbing:**			
				$
26	**Electrical:**			
	TOTAL:			$
28	**Electronic Safety and Security:**			
	TOTAL:			$
31	**Earthwork:**			
				$
32	**Exterior Improvements**			
	TOTAL:			$
33	**Earthwork:**			
	TOTAL:			$

All Construction complete as depicted in the Contract Documents, for the sum of:

_____Dollars $_____

(WRITTEN)

SECTION 111200 - PARKING CONTROL EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Automatic barrier gates.
2. Vehicle detectors.
3. Entry terminals.
4. Exit terminals.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For parking control equipment.

1. Include plans, elevations, sections and attachment details.
2. Include details of equipment assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include diagrams for power, signal, and control wiring.

C. Samples: For each exposed product and for each color and texture specified.

1.4 INFORMATIONAL SUBMITTALS

A. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

PART 2 - PRODUCTS

2.1 AUTOMATIC BARRIER GATES

A. General: Provide parking control device consisting of operator and controller housed in a weathertight, tamper-resistant cabinet enclosure with gate arm. Device shall be activated by a signal from access or revenue control device. Fabricate unit with gate-arm height in down position of not more than 35 inches (889 mm) above pavement.

1. Manufactures:
   a. Linear by Nortek Security & Control (Basis of Design - BGUS – D)
   b. Engineered Parking System
   c. Falcon Eye Global Security
   d. Magnetic Automation Corp.
   e. Parking Systems, Inc.
2. Standards: Barrier gate operators that are listed and labeled according to UL 325 by a qualified testing agency.
3. Part numbers: Linear BGUS-D-16-211-WS (115V/24Vdc, 16ft. wood arm, barrier gate, white). Linear BGUS-D-18-211-WS (115V/24Vdc, 18ft. wood arm, barrier gate, white).
4. Nortek Security & Control contact: John Borgia – Business Development Manager, 760-583-2433 or john.borgia@nortekcontrol.com

B. Controller: Factory-sealed, solid-state, plug-in type, with galvanized-steel box for wiring connections. Linear Apex

1. Physical Characteristics:

   a. On-off power supply switch.
   b. Automatic-manual switch.
   c. Thermal-overload protection with manual reset.
   d. Plug-in connectors for two vehicle loop detectors. Linear 2500-2346
   e. 115Vac cage style heater. Linear 620-100989
   f. Switch to test motor and limit switches.
   g. Emergency manual disconnect.
   h. Battery backup. (included in Linear BGUS-D operators)
   i. Single 115-V ac grounded power receptacle.

2. Operational Characteristics:

   a. Able to store successive inputs and sequentially processing each one.
   b. Automatic instant-reversing obstacle detector mechanism that stops downward motion of gate arm if arm contacts or nears an object and that immediately returns arm to upward position. Include a zero- to 60-second, variable-time reset device.
   c. Directional arming logic.
   d. Programmable timer.
   e. Diagnostic mode for on-site testing, with LEDs for inputs and outputs.
   f. Automatic and continuous testing of inputs and outputs.
   g. Reversible arm capability for right- or left-handed operation.

C. Cabinets: Fabricated from sheet metal with seams welded and ground smooth; approximately 15 inches square by 40 inches tall (381 mm square by 1016 mm tall). Provide single, gasketed access door for each cabinet with flush-mounted locks. Furnish two keys for each lock, all locks keyed alike. Fabricate cabinet with internal reinforcing and four mounting holes accessible only from inside cabinet.

1. Aluminum Sheet: Not less than 0.125-inch- (3.2-mm-) thick, aluminum sheet.

a. Finish cabinet, interior and exterior, with manufacturer's standard white baked-enamel or powder-coat finish. (Linear BGUS-D-16-211-WS and Linear BGUS-D-18-211-WS)

D. Straight Gate Arm: 1-by-4-inch nominal- (19-by-89-mm actual-) size Wood.

1. Traffic-Side Face: Reflective painted finish and black diagonal stripes.
2. Length: 16 feet or 18 feet or as indicated on Drawings.
3. Mounting Flange: Provide with breakaway feature to ensure a clean break if arm is struck by vehicle.

E. Operator: UL labeled and listed, ½ hp; 115V, 60-Hz, single-phase, instant-reversing, continuous-duty motor for operating gate arm. Transmit power to gate-arm drive shaft through the speed reducer to harmonic-acting crank and connecting rod. Fabricate crank, rod, and drive shaft of galvanized solid bar steel. Provide an operable cam for adjusting arm travel.

1. Opening Time: Up to 11 seconds. Depending on Arm length.
2. Inherently adjustable, torque limiting clutch for safety.

F. Characteristics:
1. Additional obstruction detector; noncontact infrared. Linear 620-101252, monitored reflective photo eye.
2. Additional 6 x 12 preform vehicle loops will be required where indicated on drawings. Linear 2500-1502.
3. Manufacture suggest using Linear 1600-542 loop sealant.
4. Gate-arm warning safety signs on both sides of unit to limit traffic to vehicular traffic.
5. Low-voltage yellow warning lights that illuminate when gate is in down position. Linear 2510-337 amber strobe.
6. Manually operated crank for emergency operation.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Install parking control equipment as required for complete and integrated installation.

1. Rough-in electrical connections.

3.2 INSTALLATION OF AUTOMATIC BARRIER GATES

A. Anchor cabinets to concrete bases with anchor bolts or expansion anchors, and mount barrier gate arms.

1. Install barrier gates according to UL 325.

3.3 INSTALLATION OF VEHICLE DETECTORS

A. Cut grooves in pavement and bury and seal wire loop at locations indicated on Drawings according to manufacturer's written instructions. Connect to parking control equipment operated by detector.

3.4 INSTALLATION OF ELECTRICAL

A. Connect wiring according to Section 260519 "Low-Voltage Electrical Power Conductors and Cables."

B. Ground equipment according to Section 260526 "Grounding and Bonding for Electrical Systems."

3.5 FIELD QUALITY CONTROL

A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:

1. Perform each visual and mechanical inspection and electrical test stated in NETA ATS. Certify compliance with test parameters.
2. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

B. Parking control equipment will be considered defective if it does not pass tests and inspections.

C. Prepare test and inspection reports.

3.6 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain parking control equipment.

END OF SECTION 111200