

## ADDENDUM NO. 1

**PROJECT NAME:** City Campus Utility Plant Generator Project  
**UNL PROJECT NUMBER:** C028P233

**CONSULTANT:** Morrissey Engineering, inc.  
**ADDRESS:** 4940 N 118<sup>th</sup> Street, Omaha, NE 68184

**DATE OF ISSUANCE:** June 28, 2012  
**DATE OF BID OPENING:** July 10, 2012 **Per this addendum Bid time is hereby changed to 3:00 PM CDT.**

The bid documents dated June 7, 2012 for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

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### **MODIFICATIONS TO THE PROJECT MANUAL:**

#### **INVITATION TO BID 001116**

##### SECTION 001116-2.0(A):

1. Revise closing time for receipt of bids to be 3pm CDT on July 10,2012.

#### **PACKAGED ENGINE GENERATORS AND PARALLELING SWITCHGEAR SPECICATION 262213**

##### SECTION 262213-1.8

1. 12-month full service refers to genset only.

##### SECTION 262213-2.2(K)

1. Add subsection (9) stating "Provide modbus gateway for interface of generator and paralleling system with UNL WonderWare SCADA system. Provide mapping information for WonderWare programming by UNL." Make modbus connection of generator and paralleling system to UNL Wonderware system in 3/4" conduit. Estimate connection distance of 150' and coordinate exact connection point with generator manufacturer and UNL.

##### SECTION 262213-2.3(B)(9):

2. Add sub-section (a) stating "Provide mobile breaker lift truck for breaker racking and un-racking".
3. Add subsection (b) stating "Breaker cabinet doors shall have red LED indication for breaker closed and green LED indication for breaker open".

SECTION 262213-2.3(B)(14):

1. Surge arrestors shall be provided on all 15kV breakers.

SECTION 262213-2.3(B)(18):

1. Add sentence "Generator source feeder shall be included in the differential protection zone".

SECTION 262213-2.3(B):

1. Add subsection (22) stating "For each utility source relay and generator relay, provide lock-out relay (function 86) with manual reset and LED status indicator located on remote control panel. Lock-out shall be controlled by relays as recommended by manufacturer. Control panel shall indicate source of lock-out to expedite inspection and re-activation of breaker.

SECTION 262213-3.9(C)(7):

1. Revise section to indicate "Genset manufacturer shall perform acceptance load testing at factory prior to delivery to custom enclosure supplier. Test shall provide block loading of 50% loading for 1 hour, 75% loading for 1 hour, and 100% loading for 2 hours. Tests shall be repeated as required to demonstrate proper system operation to the satisfaction of the owner and engineer. Hard copy record of the following data shall be provided to and be approved by owner and engineer prior to genset leaving factory: transient responses including voltage dips, frequency dips, and recovery time period. Supplier shall provide fluids and fuel as required for factory testing." Building load tests as indicated in 262213-3.9(C)(8) shall continue to be required as stated in specification.

**MODIFICATIONS TO THE DRAWINGS:**

**DRAWING NO. e1 – EXPANDED GENERATOR YARD PLANS**

Plan 'Expanded Generator Yard Plan - Demolition':

1. UNL will secure special waste permit with the Lincoln/Lancaster County Health Department for all rock, soil, and concrete removed from utility yard site based on previous testing for PCB contamination. Contractor shall meet all conditions of permit which include disposing of material at the Lincoln Bluff Road Landfill in dump truck(s) or side dump trailer(s), covering load during transport, declaring load at gate house, etc. Coordinate details of permit with UNL.
2. Add note to utility yard stating "Existing under-ground grounding grid shall be cut/removed as required to accommodate new work."
3. Add note to utility yard stating "Contractor shall have Diggers Hotline of Nebraska mark underground utilities prior to digging. Contact engineer about unknown underground utilities prior to digging."
4. Add note stating "Remove PILC conductors in cut and exposed raceways remaining from previous demolition work (approximately 7). Both ends of conductors are cut and within utility yard area. Conductors shall be put in one location within yard for UNL to dispose of."
5. Northern most bollard of four shown and supporting existing stop sign shall not be removed.

Plan 'Expanded Generator Yard Plan - New':

1. Add note pointing to generator enclosure stating "Exterior fuel fill shall be located on South side of generator enclosure".
2. Add note indicating (2) "5" PVC conduits indicated to be provided for future use shall be encased in concrete (3.75" minimum on all sides of wall) with #4 rebar placed in concrete above duct."

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**DRAWING NO. e2 – BASEMENT PLAN**

Basement Plan:

1. Note to 'MCC-2' shall be revised to indicate use of new 100/2 breaker instead of 100/3 breaker.
2. Location of existing 125VDC 'Power Panel 1" shall be revised to be approximately 10' East of existing protective fence and cable racking indicated to be removed.

**DRAWING NO. e3 – FIRST FLOOR PLAN**

First Floor Plan:

1. Note to housekeeping pad shall be revised to state "Provide housekeeping pad". Pad shall be per 260500-3.8.

**DRAWING NO. e5 – NEW ONE-LINE DIAGRAM**

New Work One-Line Diagram:

1. Add general note #3 stating "Medium voltage termination hardware shall be furnished by UNL and medium voltage terminations shall be installed by UNL."

END OF ADDENDUM NO. # 1