

August 13, 2015

**ADDENDUM NO. 1**  
to the  
**Iowa Department of Transportation**  
**Proposal No. 14842**  
**For: Electrical Upgrade for Newton Maintenance Garage**  
**Letting Date: 8/19 /2015**

**Notice To Bidders:**

This Addendum is issued to incorporate the following additions, deletions, corrections, and/or clarifications to the terms or specifications and shall hereby be considered a part of the final contract documents. This Addendum shall supersede, modify and/or change all statements to the contrary in the bid proposal and shall take precedence over previous terms or specifications.

**CHANGE: See attached specification and plan changes.**

**ADDITIONS:**

All Bidders must sign and return this Addendum for the bid opportunity referenced above. Failure to do so may subject the Bidder to disqualification. If a bid response has already been submitted, this Addendum shall be signed and emailed or faxed to the Purchasing Section prior to the scheduled Letting Date.

\_\_\_\_\_  
Company Name *(please print)*

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Sincerely,

Jody McNaughton, Purchasing Agent III  
Phone No. 515-239-1298 Fax No. 515-239-1538  
[Jody.McNaughton@dot.iowa.gov](mailto:Jody.McNaughton@dot.iowa.gov)

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**ADDENDUM #1  
ELECTRICAL ITEMS**

**DATE:** August 11, 2015

**PROJECT:** Iowa Department of Transportation  
Maintenance Facility Electrical Upgrade  
Newton, Iowa  
ME Project #1234

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**CHANGES TO THE SCOPE OF WORK**

1. Change the scope of work by replacing existing HID light fixtures one for one in the storage areas of the main facility with new light fixtures. New fixtures are furnished by the Iowa Department of Transportation (IA DOT) and are stored on site (57 fixtures total).

**CHANGES TO THE SPECIFICATIONS**

1. Section 16195 – Electrical Identification  
Part 1 – General  
Add the following “Summary of Work” article

**SUMMARY OF WORK**

*Provide labeling of panels and equipment as required on the NEC and specified in this Section. Provide vinyl self-adhesive labels for warnings and information required by the NEC and OSHA regarding arc-flash hazards. Label both new and existing panels.*

*Provide identification of wiring and junction boxes as specified in this Section.*

*Trace existing circuits from existing panels adequate to create new panel schedules for existing panels.*

*Provide panel schedules for both new and all existing panels as specified in this Section.*

*Panel Schedules: Laser jet or ink jet-printed schedules with black lettering on white paper. Use white, 67 pound, vellum-finished bristol cover stock. Include clear plastic sleeve on inner panel cover door to hold schedule.*

**CHANGES TO THE DRAWINGS**

1. Sheet E1 – Electrical Site Plan  
Add the attached detail (Attachment A) to sheet E4.  
Demolish existing kw/hr meter and main switch on existing utility pole. Provide a CT cabinet, kw/hr meter socket, and an enclosed circuit breaker on a stainless steel strut stand adjacent to the existing utility pole. Move the enclosed circuit breaker from position shown next to Panel P1 on the generator pad to new location; reduce the size of that stand to accommodate Panel P1 only. Refer to attached detail for additional information. Provide metering wiring in a ¾” rigid galvanized steel conduit between the CT cabinet and meter socket. Comply with Alliant Energy’s 2015 Service Rules for the CT cabinet, metering circuits, and meter socket. Coordinate all electric utility related work with Alliant Energy.
2. Sheet E1 – Electrical Site Plan  
Add the following note to the LPG tank:  
“PROVIDE INITIAL 80% FULL FILL OF LPG.”

Expand the note referencing the underground 1" MDPE pipe and add the following sentence to the end of the note:

"PROVIDE 90° COATED STEEL BEND TO TRANSITION FROM UNDERGROUND PLASTIC TO ABOVE GROUND STEEL PIPE. (TYP AT GENERATOR & LPG TANK)"

3. Sheet E1 – Electrical Site Plan

Clarification: Contractor may bore OR trench existing gravel/concrete drive to install normal power circuit and feeder circuit to existing MDP. If trenched, backfill with clean soil or sand with no rocks.

Clarification: The LPG tank shall be supplied by the contractor.

4. Sheet E2 – First Floor Electrical Plan

Replace the existing light fixtures in the storage areas of the main facility one for one with new light fixtures furnished by the IA DOT, which are stored on site.

Demolish existing light fixture and replace with new fixture in same location. Fixture is furnished by the IA DOT. Provide new fixture whips, and box cover plates with all required fittings and hardware. Reuse existing wiring. Inspect existing wiring for defects or potential safety issues. Verify that there is an equipment grounding conductor. Report any issues or unsafe conditions to the engineer. Salvage existing light fixtures for the IA DOT. Deliver removed fixtures to an on site storage building specified by the IA DOT.

Mounting information for new light fixtures:

Provide supports from overhead structure for new fixtures. Include galvanized steel strut, threaded hangar rods, beam clamps, fasteners, and miscellaneous materials required to support the new fixtures. At a minimum, support each new fixture with (2) 3/8" diameter threaded steel rod. Provide a flat and a lock washer behind all nuts.

5. Sheet E2 – First Floor Electrical Plan

Replace the existing light fixtures over the work benches in the shop one for one with new light fixtures (5) fixtures total. Reuse existing circuiting and brackets to hang new fixtures. Inspect existing wiring for defects or potential safety issues. Report any issues or unsafe conditions to the engineer. Verify that there is an equipment grounding conductor.

New fixtures: DAYBRITE LFR4FLPER3740ULAG or approved equal.

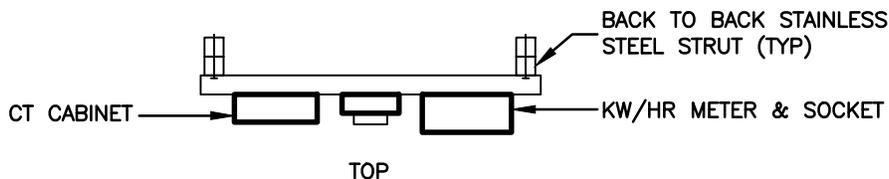
6. Sheet E3 – Electrical Distribution Diagram

Add an additional 200A 2P distribution circuit breaker (spare) in the new ATS for future expansion.

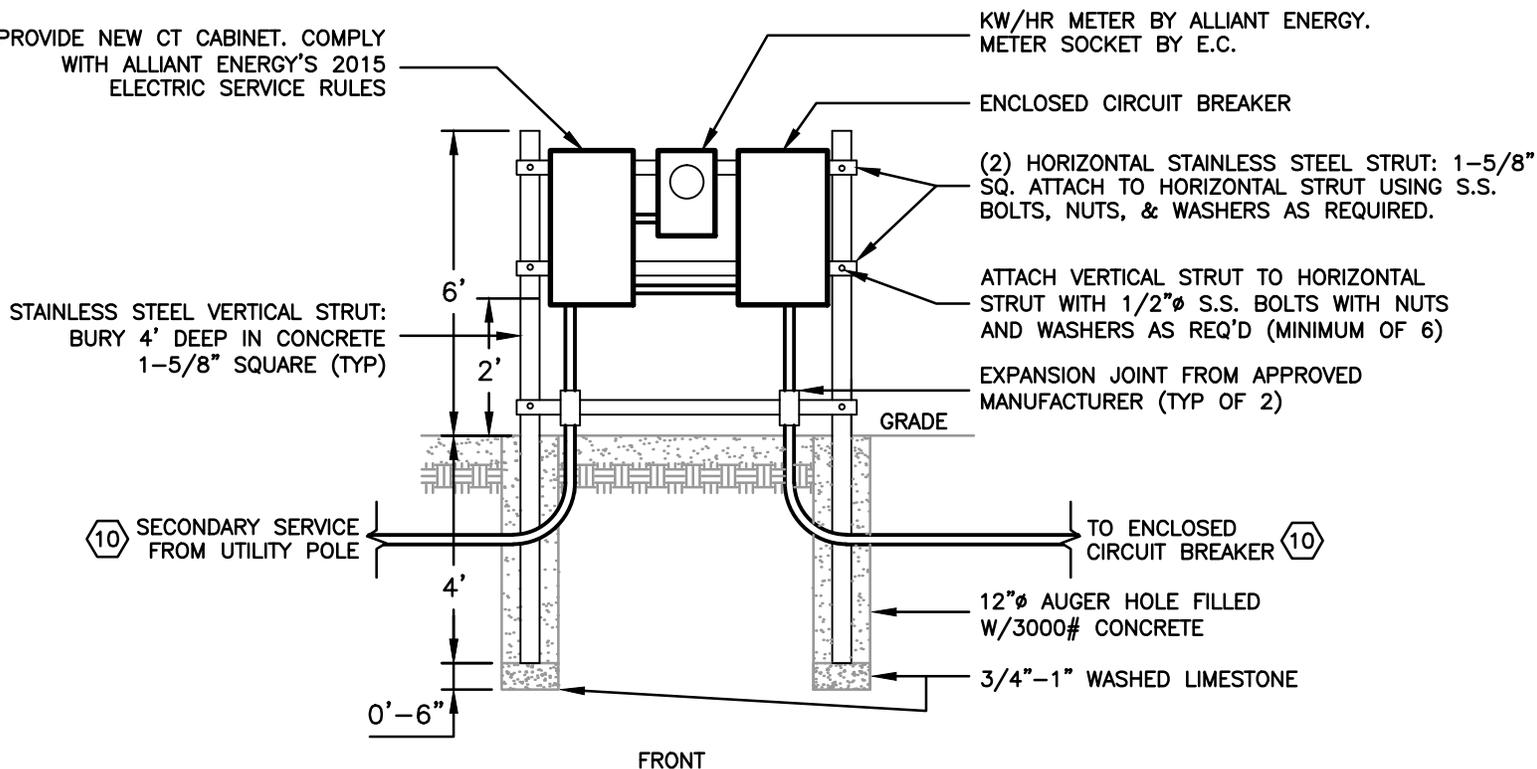
**END OF ADDENDUM**

## SUPPORT STAND NOTES

STRUTS: 1-5/8"W X 1-5/8"D NOMINAL STAINLESS STEEL.  
 ALL FASTENERS AND HARDWARE SHALL BE STAINLESS STEEL.  
 USE SPRING LOADED NUTS FOR ALL FASTENERS.  
 PROVIDE S.S. FLAT WASHER UNDER ALL BOLT HEADS.



PROVIDE NEW CT CABINET. COMPLY WITH ALLIANT ENERGY'S 2015 ELECTRIC SERVICE RULES



KW/HR METER BY ALLIANT ENERGY.  
 METER SOCKET BY E.C.

ENCLOSED CIRCUIT BREAKER

(2) HORIZONTAL STAINLESS STEEL STRUT: 1-5/8" SQ. ATTACH TO HORIZONTAL STRUT USING S.S. BOLTS, NUTS, & WASHERS AS REQUIRED.

ATTACH VERTICAL STRUT TO HORIZONTAL STRUT WITH 1/2"φ S.S. BOLTS WITH NUTS AND WASHERS AS REQ'D (MINIMUM OF 6)

EXPANSION JOINT FROM APPROVED MANUFACTURER (TYP OF 2)

STAINLESS STEEL VERTICAL STRUT:  
 BURY 4' DEEP IN CONCRETE  
 1-5/8" SQUARE (TYP)

10 SECONDARY SERVICE FROM UTILITY POLE

TO ENCLOSED CIRCUIT BREAKER 10

12"φ AUGER HOLE FILLED W/3000# CONCRETE

3/4"-1" WASHED LIMESTONE

### 1 CT CABINET/METER SUPPORT STAND DETAIL

NOT TO SCALE

MERCER ENGINEERING, P.C.

IOWA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE FACILITY ELECTRICAL UPGRADE  
 NEWTON, IOWA

ADDENDUM 1: ATTACHMENT A

8/10/15