

## ADDENDUM NO. 1

TO THE

Engineering Services to Replace Secondary Electrical at the Colorado State Fair  
State Project No. M-09003  
Dated: 10/7/2010  
Pueblo, Colorado

Red Rock Consulting Engineers, LLC  
144 Palisade Cir  
Manitou Springs, CO 80829

TO ALL PROSPECTIVE BIDDERS:

The Contract Documents for the above project, including Drawings and Specifications dated 10/7/2010; shall be amended and/or revised by this Addendum and all Work affected by this Addendum shall be included.

Except as may be otherwise described, the labor and material for the Work affected by this Addendum shall conform to all requirements of the original Contract Documents.

ACKNOWLEDGEMENT: Each and every bidder shall indicate in the place provided on the Bid Form their acknowledgement of the receipt of this Addendum.

This Addendum consists of 4 pages and one (1) attachment.

### ATTACHMENTS:

Attendees List of Oct 20, 2010 Mandatory Walk-Thru

### CLARIFICATIONS:

- A. The overhead power lines on the load-side of the primary meter are property of the State Fair; and permission from Black Hills Energy is not required to work on them. The Electrical Contractor has the option to contact Black Hills Energy for assistance in de-energizing portions of the overhead power to perform Work required in this project; or if qualified staff is available, they can perform all related Work without the utility company's involvement.
- B. Sheet E-2.2, Keyed Note 14: The last sentence, which is cut off by the titleblock, reads: "Cap and Mark Under Future Vendor Pedestal Locations."
- C. Sheet E-3.1, One-Line Notes, Vendor Panels: The details referred to in the note are Details A, B & C/C5.1. There is not a 'panel schedule' for these Vendor panels. Vendor panels are detailed in Section 16470, paragraph 2.3. These are 'custom' panels and were quoted by Cutler Hammer during design phase; but can be provided by any of the specified manufacturers as noted. The One-Line also notes Vendor Panels for "BLP" or street power pits. Note these few Vendor Panels require a 'surface-mount' enclosure in lieu of concrete-rated since they are mounted to posts in lieu of a concrete pedestal; per Detail C/C5.1. Also note the Power Plans show a few

existing-to-remain 'vendor power panels' which are 50A "RV" style panels and are not to be confused with specified Vendor Panels.

- D. Compaction Testing: Compaction testing will be required for all trench backfill. Per the General Conditions, the Owner will contract directly with an independent materials testing company and pay for all necessary testing.

PROJECT MANUAL:

- A. Advertisement For Bids, Project Information:  
Delete Paragraph 8, Contractor Qualifications, in its entirety. Form SC-9.1 is not required.
- B. General Conditions SC-6.2:
1. Requirements contained herein regarding actual building construction and related interior work may be disregarded. If it is unclear if a requirement applies to this Work; assume the requirements will apply.
  2. Article 23. Delete subparagraph F; no sign required.
- C. Section 01230 Alternates:
1. Alternate No. 1: Second sentence; replace "...poles..." with the following:  
"...poles and 8-ft steel arms..."
  2. Alternate No. 4: Delete in its entirety and substitute the following paragraph:  
"Alternate No. 4 – OH Power and Pole Demolition:
    - A. Remove eleven (11) existing steel poles and associated 120/240V overhead lines along Main Street (noting the utility pole at the NW corner of KCH Bldg with primary voltage OH lines shall remain in place).
    - B. Remove poles and overhead 120/240V lines in the Blocks Area per Keyed Note 7, Sheet E-1.2 and Keyed Note 4, Sheet E-2.2. Poles shall remain under Base Bid (See Alt No. 2); and shall be removed under this Alternate.
    - C. Work shall include disconnecting ground wire, pound ground rod flush with grade, remove up to 24" square isolated concrete walk around existing pole and cut pole off a minimum of 6" below existing grade. Replace concrete walk to match existing. The contractor shall be responsible to remove the pole and any demo debris from the site and dispose of properly.
    - D. Base Bid – Disconnect power to associated overhead lines and abandon OH lines and poles in place." (Refer to Sheet E-1.2.)"
- D. Section 16050 Basic Materials and Methods:
1. Paragraph 1.4.C. Add the following sentence:  
"Fees levied by the utility for furnishing, installing and terminating secondary conductors as shown on One-Line Diagrams shall be paid directly by the Owner; and are Not-in-Contract."
- E. Section 16120 Raceway and Boxes:
1. Paragraph 3.1. Add the following sub-paragraph:  
"E. Provide pullboxes as required to limit pulling tension per feeder cable ratings and as required for ease of cable installation. Pullboxes shall be flush, in-grade, H-20 traffic rated,

sized to meet minimum NEC requirements. Pullbox locations shall be coordinated with other utilities within the area and for ease of accessibility”.

F. Section 16425. Paragraph 2.3.A.4.

1. Delete the last sentence and substitute the following:  
“The 120/240V rated meter centers may be residential-grade; since the utility will allow ‘horn’ by-pass in lieu of ‘lever’ type for 1-phase gear.”

DRAWINGS:

A. Sheet C1.1

1. Trenching lengths and quantities shown on C1.1 are for reference purposes only. The contractor is required to verify all quantities based on their specific layout and alignment. Note some additional trenching may be required for branch circuiting work shown on Sheet E-2.2.
2. Add the following General Note:  
“If during demolition and / or trenching work any significant obstructions are encountered (e.g. existing concrete foundations, major buried utility amenities, etc.) the Engineer shall be contacted immediately. If the obstruction is determined by the Engineer to be a significant increase in the anticipated scope of work then a Change Order will be executed. The approved extra to the contract will be paid on a time and material basis or as negotiated. The Engineer must approve any and all extras prior to commencing any work. Failure to obtain the Engineer’s approval may result in denial of extra charges.”

B. Sheet C5.1

1. Detail B/C5.1: Vendor Pole Base: Anchor Bolts shall have a minimum of 2” of concrete cover.
2. Detail C/C5.1: The street pit is specified as Christy Concrete Products, Model No. B1324, H-20 Traffic Box. The ‘permanent’ lid shall be a Model No. B1324-61GH or approved equal. The ‘temporary’ lid shall be exterior CDX plywood.

C. Sheet E-1.1

1. Sheet Note (located in Blocks (Square) Area). Delete the following note in its entirety:  
“Utility Wood Poles and Assoc OH Primary Shall be Removed per Alt No. 1. Assoc Lights Shall be Removed per Alt No. 2”.
2. Keyed Note 1: Add “Under Alternate No. 4” at the beginning of the second sentence, referring to pole demolition.
3. Keyed Note 15: Add the following sentence:  
“Pole demolition shall be performed under Alternate No. 4.”

D. Sheet E-1.2

1. General Note 2: All overhead primary voltage lines shall remain in place. Owner shall contact Black Hills directly to negotiate disconnection of select lines outside this Contract.
2. Keyed Note 2. Delete in its entirety. (not used).
3. Keyed Note 7. Delete in its entirety and substitute with the following:  
“Alt No. 4: Remove existing poles and associated 120/240V overhead lines where all associated loads are disconnected under this Work. Any pole with primary voltage lines shall remain in place. Refer to Keyed Note 4 on Sheet E-2.2 for associated work regarding area lights mounted to these poles.”

- E. Sheet E-2.1
  - 1. Conduit note at SE corner of 'State Fair Cafe' Bldg: Delete the note "Two Empty 1-1/2" C For Future Vend Pwr" and substitute "Empty Conduit for Future Vendor Panels – See MC3 One-Line Diagram on Sheet E-3.1"
- F. Sheet E-2.2
  - 1. Keyed Note 4. Modify "Type B" to "Type B and Type C".
  - 2. Keyed Note 12. Delete all work associated with installing empty 4" communications conduit, (shown in three locations).
  - 3. Type C Area Light (Blocks area). Install pole 50-ft north of location shown. Add one additional Type C fixture, pole and base (under Alt. No. 2) a nominal 44-ft south of Type C location shown on the Drawing (furnish two Type C poles a nominal 94-ft apart). Connect the added Type C fixture to circuit BL2-18. Include trenching/patching required for wiring.
- G. Sheet E-3.1; One-Line Diagrams:
  - 1. Secondary Lateral Schedule: Modify "Terminated...by EC" to "Terminate...by Utility"
- H. Sheet E-4.1.
  - 1. Fixture Schedule. Denote fixture voltages as follows:  
Type A – 208V, 1ph; Types B & C: 120V.
  - 2. Schedule BL3. Modify the "Main Breaker" to Main Lug Only".

COLORADO DEPARTMENT OF AGRICULTURE/COLORADO STATE FAIR

REPAIR/REPLACE SECONDARY ELECTRICAL SYSTEM, COLORADO STATE FAIR, PHASE 1

PUEBLO COLORADO  
 PROJECT M-09003  
 OCTOBER 20, 2010

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