



Montana Fish, Wildlife & Parks

ADDENDUM NO. 1

TO: ALL BIDDERS OF RECORD

PROJECT: **Giant Springs Trout Hatchery Pump & Control Project**

FWP PROJECT #: 7173110

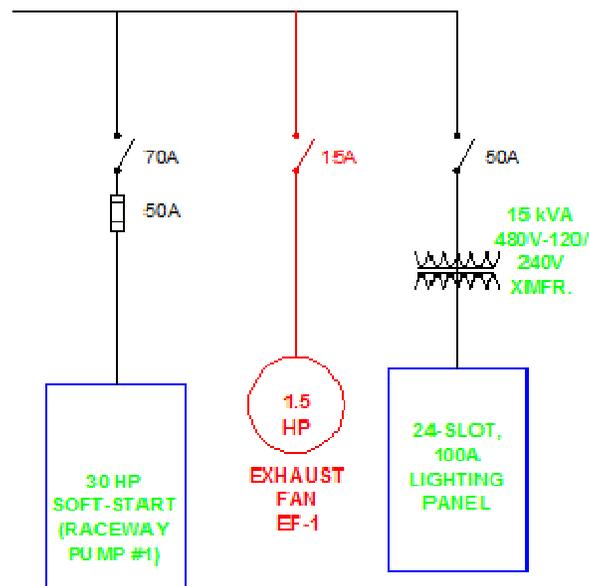
DATE: June 12, 2019

FROM: Paul Valle, Montana FWP Project Manager
Alden Beard, P.E., BETA, Project Engineer

Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.

This Addendum forms a part of the Contract Documents. Clarification and/or modifications area as follows:

- 1. Drawings: Sheet 8 – Pumphouse MCC Replacement & One-Line Diagram:** The circuit for existing Exhaust Fan EF-1 was omitted in the “New MCC One-Line Diagram,” but should appear on the right side of the diagram as shown in red below:



2. **Drawings: Sheet 7 – Pumphouse Electrical & I/C Plan:** Delete the note referring to “New Wall Pack” in the lower left margin of the drawing. New lighting has already been installed by the Owner, and there are no light fixtures required on the project.
3. **Clarification on Bus Connection Methods for New MCC:** *In response to vendor questions, the following clarifications are provided relative to requirements in **Technical Specification 16460 – Motor Controls**, part 3.1 – Connection Between New and Existing MCCs, and in the “New M.C.C. Elevation” shown on **Plan Sheet 8 – Pumphouse MCC Replacement & One-Line Diagram**:*
 - a. At the new MCC manufacturer’s option, a separate lug compartment can be included in the new MCC for landing of connections from the existing MCC (to be retained). Unused “Space” shown in the “New MCC Elevation” may be used for this purpose, but overall size of the new MCC cannot be increased.
 - b. At the manufacturer’s option, new MCC bus may be hard-connected to the bus in the existing MCC (to be retained) if new bus dimensionally matches and aligns with bus in the existing MCC. In that case, new bus material must match that in the existing MCC.
4. **Clarification on UniStrut Requirements:** New *UniStrut* supports can be 1 5/8” nominal size rather than the 2” channel shown and specified. Provide double strut runs where required to achieve equipment positioning shown or adequate support. *UniStrut* finish shall be *Perma-Gold*[®] or Electroplated Zinc (ASTM B633).
5. **Technical Specification 16480 – Motor Controls**, part 2.3 – Enclosure:
 - a. In subpart 2.3.A, add the following requirement for the NEMA Type 1 enclosure: “...with indoor gasketed cover (formerly NEMA type 1A).”
 - b. In subpart 2.3.F, dimensions for the new MCC should read, “shall not exceed 60 inches in width and 92 inches in height.” [This matches dimensions shown in the MCC Elevation shown on Plan Sheet 8.]
6. **Modification of Remote PLC Enclosure Size:** *To better fit the newly finished wall recess in the Rearing Bldg. Hallway and allow maintenance access to vent filters in the enclosure housing of the Remote PLC, the enclosure size is changed as follows:*
 - a. **Technical Specification 13400 – Process Instrumentation & Control:** *Revise subpart 2.3.E.6.b to read:* The Remote (Manager’s Office) PLC enclosure shall be 25”h x 20”w x 10”d nominal size with 20”h x 15”w window, and shall be *Hoffman ULTRX* model *UU605025W* with *A24P20* interior panel and grounding kit.
 - b. **Plan Sheet 12 – Rearing Building I/C Details:** In “Typ. HMI/PLC Enclosure Detail” change Remote PLC enclosure and window dimensions to match revised sizes listed above, and relocate locations of “Exhaust Grilles w/ Filters” from the sides of the enclosure to the top and bottom panels of the enclosure (at opposing ends). Mount new PLC Enclosure to provide 5” clearance above and below enclosure in finished wall recess in Hallway.

END OF ADDENDUM NO. 1