

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. DACW45 03 B 0007
:all amendments may cause rejec- :
:tion of the bid. See FAR : Date of Issue: 28 Jan 2003
:52.214-3 of Section 00100 : Date of Opening: 27 Feb 2003

Amendment No. 0001
18 February 2003

SUBJECT: Amendment No. 0001 to Specifications and Drawings for Construction of
Modernize Bridge Crane Controls, Fort Peck Dam, MT
Solicitation No. DACW45 03 B 0007.

TO: Prospective Bidders and Others Concerned

1. The specifications and drawings for subject project are hereby modified as follows (revise all specification indices, attachment lists, and drawing indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Section 14601 Page 7, paragraph 2.2.1.3 delete the second sentence and replace with following:
"Overcurrent protection shall be provided as required by NEC Article 610.41."

(2) Section 14601 Page 8, paragraph 2.2.3 correct the last sentence to read as follows:
"If contactors are used, contactors that are used for starting, stopping, and reversing shall be mechanically and electrically interlocked."

(3) Section 14601 Page 9, delete paragraph 2.2.3.4 and its subparagraphs and substitute "Not Used".

(4) Section 14601 Page 11, paragraph 2.2.3.7c after "motor circuits" delete "and arranged to open the main line contactor".

(5) Section 14601 Page 11, paragraph 2.2.3.8a delete "The rotating adjustable geared control . . . for proper operation." And insert the following:
"The Contractor shall provide a new absolute position encoder for each hoist and auxiliary hoist. The Contractor shall fully adjust the new encoders for full raise stop position and full lower stop position. The Contractor shall demonstrate the repeatability of the new encoders to within ±1-inch travel in both the upper and lower positions by operating each hoist three consecutive times to full range travel."

(6) Section 14601 Page 12, paragraph 2.2.5.1 delete the last two sentences reading "DC shunt magnetic shoe . . . is de-energized."

(7) Section 14601 Page 12, paragraph 2.2.6 delete the sentence "Each pole of . . . the circuit breaker."

(8) Section 14601 Page 13, paragraph 2.2.6.2 first sentence change "NEMA 12" to read "NEMA 3R".

(9) Section 14601 Page 13, paragraph 2.2.6.3 second sentence change "NEMA 12" to read "NEMA 3R".

(10) Section 14601 Page 13, paragraph 2.2.6.3 delete the last sentence and replace with following:
"The magnetic starter shall be equipped with manually reset overload relays. Anticondensation heaters shall be interlocked with motor starters so that when the motor IS RUNNING the anticondensation heaters are turned OFF and when the motor IS NOT RUNNING the anticondensation heaters are turned ON."

(11) Section 14601 Page 13, paragraph 2.2.7.1 delete the last sentence reading "The conduit system shall be installed in the shop, complete and ready for installing wire and after inspection shall be dismantled as necessary for shipment to the site."

(12) Section 14601 Page 15, paragraph 2.2.7.3h in the second sentence delete "AVB or".

(13) Section 14601, Add the attached nameplate data following Section 14601.

2. This amendment is a part of the bidding papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the specifications remain unchanged. If the bids have been mailed prior to receiving this amendment, you will notify the office where bids are opened, in the specified manner, immediately of its receipt and of any changes in your bid occasioned thereby.

a. Hand-Carried Bids shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Bids shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Bids will be received until 2:00 p.m., local time at place of bid opening, 27 February 2003.

Attachment: Motor Nameplate Data

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

18 Feb 2003
MFS/4411

Typical existing nameplate data for Shaft Control Gate Canes (reference DACW45-03-B-0007, Bridge Crane Controls, Fort Peck Project, MT) are as follows

Auxiliary Hoist

Westinghouse type D-254 Gear Motor, Variable Speed 439
Type CW Induction Motor
3 hp 440 volt 254 frame
5.2 amperes per terminal 60 cycles
3 phase
ROTOR CIRCUIT
116 volts between rings 12.2 amperes per ring
40°C rise 145 rpm serial # 29423
oil capacity 3.5 quarts
BRAKE DATA
High Stearns duty Milwaukee WI
Serial # 13959 size 84-A
440 volt 60 cycles 20 lbs. ft
WIRING DATA
Single speed two voltages series and parallel star

Bridge Motor

Westinghouse Type CI Induction Motor Variable Speed
Frame 364 10 hp 3 phase 60 cycles
440 volt 16.5 amperes per term
865 rpm full load 100% load .5hrs 50° C rise
max torque at 1ft RAD 200 lbs.
ROTOR CIRCUIT
118 volts between rings 39 amperes per ring
style 21W647 serial # 2-21W647
BRAKE DATA
Manual foot pedal brake
WIRING DATA
Single speed two voltage series and parallel star

Trolley Motor

Westinghouse Type CI Induction Motor
5 hp 3 phase 60 cycle 440 volt
8.5 amperes per terminal 863 rpm at full load
100% load .5 hrs 50°C rise frame 324
max torque at 1ft RAD 85 lbs.
ROTOR DATA
85 volts between rings 27 amperes per ring
style 21W648 serial # 4-21W648
WIRING DATA
single speed two voltages series and parallel star
SOLENOID BRAKE DATA
General Electric
CR9503-206-B solenoid
Cat 4986335-AB-203
volt 440 cycle 60
coil T-3022147 spec B-3022148

Typical existing nameplate data for Shaft Control Gate Canes (reference DACW45-03-B-0007, Bridge Crane Controls, Fort Peck Project, MT) are as follows

Main Hoist	
Westinghouse Type CW Induction Motor	
25 hp	3 phase 60 cycle
440 volt	33.3 amperes per terminal
870 rpm at full load	
cont. rating at full load 40° rise frame 444	
ROTOR CIRCUIT	
270 volts between rings	44 amperes per ring
Style 21W646	serial # 2-21W646
WIRING DATA	
single speed two voltages series and parallel star	
SOLENOID BRAKE DATA	
solenoid CR9503-213-A	Cat 2825816-AB-203
440 volts	60 cycles
coil T-3021731	Spec B-3021730