

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 0003		3. EFFECTIVE DATE 10-Sep-2004	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) W912EQ-04-B-0008
6. ISSUED BY US ARMY ENGINEER DISTRICT, MEMPHIS 167 N MAIN STREET B202 MEMPHIS TN 38103-1894		CODE W912EQ	7. ADMINISTERED BY (If other than item 6) See Item 6		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W912EQ-04-B-0008	
			X	9B. DATED (SEE ITEM 11) 26-Mar-2004	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. <p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) This solicitation is for Grand Prairie Pumping Station on the White River near De Valls Bluff, Prairie County, Arkansas - Grand Prairie Demonstration Project. 1. The bid opening date and time is scheduled for September 21, 2004 at 11:00 a.m.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		10-Sep-2004

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SECTION SF30 - BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 18-May-2004 02:30 PM to 21-Sep-2004 11:00 AM.

The offeror acceptance period has decreased by 30 from 90 to 60.

The following have been added by full text:

QUESTIONS AND ANSWERS – AMENDMENT #0003:

1. Painting Section 09900 Page 11

EXTERIOR PAINTING SCHEDULE - States that only the exposed exterior concrete is to receive 2 filler coats and nothing on the split face block. Is this correct?

Answer: Yes. For exterior split face block, refer to section 04200, and paragraph 2.4.3.

2. Section 09900 Page 12 & 13

INTERIOR PAINTING SCHEDULE - Item 6 & 8 indicate that only Galvanized and Aluminum surfaces are to be coated. Is this correct? No! Please list specifically sp; Such as hollow metal doors and frames, handrail, etc.

Answer: Item No. 3, on page 11, covers interior painting of all exposed steel (ferrous) surfaces.

3. Section 09940 Painting Hydraulic Structures Page 20 system No. 2

Storm water pumps above elevation 190.0 - Where are they and how many?

Answer: This description will be modified by Amendment #0003 to correct the reference to the mud valve and roller gate operators above Elev. 189.6.

System No. 6

Discharge Header Piping (Interior and Exterior) - Starting where and ending where? Are the valves and intake pipes to be painted?

Answer: Discharge header piping starts at the discharge flange of the pipe and carries to Pump Station STA. 19+60 as indicated on the drawings. Yes, the valves should also be finished with this painting system.

Formed Suction Intakes - Is this the concrete intake leading to the pipe intake? Starting where and ending where?

Answer: The Formed Suction Intakes (FSI) are shown on the drawings. These are fabricated of steel per the specification requirements.

System No. 6 - lists the painting of sluice gates. There are none, do they mean Roller gates? The trash rack to be painted, is this correct? Also listed are mechanical trash racks. There are none? Please list specifically what is to be painted.

Answer: Yes. The description will be modified by Amendment #0003 to change the reference from sluice gates to roller gates and remove the reference to the mechanical trash rake.

4. Clarification

There is no fire sprinkler system and no fire hydrants in this project.

Answer: Yes, that is correct.

5. Drawing # E609 shows an Allen-Bradley 800T-PM16R, yet paragraph 2.3.1.6 in sect. 16904 calls for all pushbuttons to "...mount in a 0.875 inch mounting hole." The 800T series mounts in a 1 7/32 inch hole. Please clarify.

Answer: Size the panel cutout to match the pushbutton manufacturer's recommendation.

6. Again drawing # E609 shows what appear to be 2 digital displays for the flow transmitters. Where are they specified?

Answer: The devices identified as FI 701 and FI 702 are digital flow indicators. They are industrial quality electronic meters. The meters are powered by 120VAC; signal input is 4-20 mA, display is ranged cubic feet/second (cfs) with toggle for million gallons per day (MGD) or Acre Feet. There shall be a totalizing function which will display the three Engineering Units.

7. Drawing # E609 shows "FIBER PATCH PANELS". Where is the specification?

Answer: This item is not specified. See Amendment #0003.

8. Drawing # E611 shows "DIN RAIL MOUNTED 4-20mA RFI FILTER". Where is the specification?

Answer: This item is not specified. See Amendment #0003.

9. I am confused about the programming of the main PLC. Is it to be done under this contract? Typically the SCADA systems integrator prefers to do this. If it is under this contract, are there are interlocks between what is elsewhere in the plant and the motors? The PI&D, drawing # E110, and the specifications, section 16904 paragraph 3.1.2. do not provide enough information.

Answer: The PLC's furnished in this contract are to be programmed and tested as specified in this contract. There are interlocks between field devices and pump motor starters. The Pump Schematics on E601 through E605 illustrate the logic in enough detail to program each pump system.

10. A point of information, Section 16904, paragraph 3.2.4.2, states "Analog signal protection shall be Phoenix Contact UFBK", this is an obsolete number. It was superceded by the UBK 2 and the Termitrab series.

Answer: Utilize the current model or approved equal.

11. Potable water, Pump P-7 & well, Drawings E-101 & M-301, indicate a well & pump. Could you please direct us to the correct specification?

Answer: See amendment #0003 for specification on Water Well.

12. Spec section 07220, part 2.2 states "insulation to be a min. of 2 inches thick, part 3.7 states "to be laid in 2 or more layers." Sheets A-102 & A-503, "all roof insulation is 1-1/2 inches thick " Which insulation thickness is to be used? If 2 inch is used blocking details will need to be changed.

Answer: The 2" inch insulation is desired. A-503 - Key Note Mark 22 should be changed to read: "Treated Wood Blocking as required". The difference in blocking thickness could also be adjusted in the machined cant - Key Note 10 where the exact thickness is not dimensioned.

13. Signage, is signage required on the building, rooms, or doors?

Answer: Signage Schedule is shown on Sheet A-601 and specified in Section 10440. Door and room signs are indicated in the specs along with bathroom graphics.

14. Drawing M-301, Mechanical schedule; is there a valve Schedule / List?

Answer: No.

DRAWING CLARIFICATIONS

1. What is the size and configuration of the stone coping used along the top of the low roof exterior walls?

Answer: The following dimensions apply to the stone coping: 3½" tall inside edge, 4½" tall outside edge, 5" tall @ high point (10" from inside edge to high point), and 16" width.

2. Are the CMU walls below the 190.0' elevation required to be fire rated? The doors in the stairwells are "B" label doors but the CMU is not indicated as fire rated block on sheets A401 and A403.

Answer: Yes, the symbol shown on A401 and A403 should have indicated the hatch for a fire-rated CMU wall.

3. Detail 6/S811 shows a wide flange support under pipes but the plan on S501 indicates an angle, L4x3x3/8. Which one is correct?

Answer: L4x3x3/8"

4. The Architectural roof plan A/A102 indicates 1 1/2" thick rigid insulation covering the roof. The sections in the A500 series drawing indicate 2" Rigid Roof Insulation. Which one is correct?

Answer: 2" rigid roof insulation.

5. Where do the downspouts along the East wall spill out? They penetrate the structural slab and then what? Splash blocks or into the drain system? Do they travel down to the 151.0' elevation?

Answer: Sleeve thru slab @ El. 190.0. Drain into the intake channels below.

6. Are the canopy downspouts attached to the Aluminum columns?

Answer: Refer to sheet A102 for downspout connection to building.

7. Architectural sections C/A501 and D/A501 indicate intermediate bond beams along the wall that is in conjunction with the sound blocks and insulation. The structural drawings do not reference these extra bond beams, are they required?

Answer: Yes, the bond beams are required.

8. The insurance requirements for the project appear to be left out of the bid documents. When will they be issued?

Answer: Section 00700 52.228-5 is the contract clause. Also, see section 00800 special contract requirements #9 for dollar requirements.

BIDDING CLARIFICATIONS

1. We have been experiencing a noticeable increase in the mill surcharges placed on steel orders. This surcharge changes often and cannot be accurately predicted from month to month. Has the Corps of Engineers put into place any provisions that would protect the successful bidder against a substantial change in the steel price quoted and the actual steel price when ordered?

Answer: No EPA clause is to be included in specifications.

2. DWG. M415 - should detail C, which currently states that it exists at station 10+00. Should this be at station 22+00. We envision the hydro as going from the last flange prior to the valves at the pumps, up to the tie in point at station 22+00. If this be the case, we would blind-flange at the pumps and the orifice plates, and place the end caps 20' prior to station 22+00.

Answer: This detail applies as indicated based upon the envisioned construction sequence in which the two pipelines would be installed and hydrostatically tested prior to the installation of the discharge manifold at the pump station, but the method and sequence as described above would also be acceptable if incorporated in the overall project construction-phasing schedule.

3. Spec 02610 - Paragraph 2.2.1.c states multiple methods of hydrostatically testing the pipe, but paragraph 3.10 states only water. Is an air test at 10 psig for the whole system as stated above acceptable?

Answer: No. The methods of testing as described in paragraph 2.2.1 Pipe Fabrication only refers to the testing to be performed on the pipe and fittings by the piping manufacturer prior to shipment to the job site. Paragraph 3.10 includes the hydrostatic testing (85 psi) requirements for the Contractor to perform after the "Completed Pipeline" has been installed.

4. Need clarification concerning the pipe thickness of the large bore pipe? Thickness is referenced as 1/2" beyond Station 10+00, 5/8" to the east of Station 10+00, and 3/4" is stated as the thickness on M107.

Answer: Minimum thickness of pipe in pipeline beyond Station 10+00 in ½” as required by Section 02610, paragraph 2.2.1.a. 120” pipe and 84” pipe in lateral to surge tank shall be ¾” thickness as required by Section 02610, paragraph 2.2.1.a. Minimum wall thickness for pipe in header is defined on sheet M107.

5. Is the ISO Quality Program acceptable in lieu of SPFA certification for pipe manufacturers as required by Section 02610, paragraph 2.2.1 of the specifications.

Answer: Yes.

END OF QUESTIONS AND ANSWERS – AMENDMENT #0003

SUMMARY OF TECHNICAL CHANGES – AMENDMENT #0003:

1. Hydrographs for the years 2000, 2001, 2002 and 2003 are included as an attachment at the end of this amendment.
2. On Drawing A502, add following note to Key Item 37: “Stone coping to have following dimensions: 3½" tall inside edge, 4½" tall outside edge, 5" tall @ high point (10" from inside edge to high point), and 16" width.
3. On Drawing A401, under block wall symbol at bottom of page add following note: “Wall to have 2 hour fire rating.”
4. On Drawing A403, under block wall symbol at bottom of page add following note: “Wall to have 2 hour fire rating.”
5. On Drawing S811, Details 6 and Section 9, the WF, shown below roof, which supports the stairs, is to be changed to a indicate a 4x3x3/8" angle to match with details shown on S501.
6. On Drawing A503: Change Key Note Mark 22 to read "Treated Wood Blocking as required". In Detail B, change dimension on insulation and blocking from 1 1/2” to 2”.
7. In Section 15160 – VERTICAL PUMPS, MIXED-FLOW IMPELLER-TYPE, paragraph 2.2.3, change required efficiency from “90%” to “87%”.
8. In Section 15160 – VERTICAL PUMPS, MIXED-FLOW IMPELLER-TYPE, paragraph 2.5.1.1, change first sentence to read: “Before pump and motor are released for manufacture, pump supplier shall analyze the system for harmful torsional natural frequencies using mass elastic information furnished by equipment manufacturers.”
9. Drawing C109. Section A/C109. The left slope shall be changed to 1V:3H to match Drawing C107.
10. Section 02221, Paragraph 2.16, Bedding and Granular Backfill, pg. 3 shall be changed as follows: The granular backfill (haunching for RCP pipe) for the drainage culverts shall be in accordance with paragraph 2.1.2 PERVIOUS BACKFILL. The pipe bedding material for all pipes unless noted on the plans shall consist of a coarse aggregate meeting the requirements of ASTM size number 57 aggregate. The allowable deviation from the prescribed thickness shall be plus 2 inches.
11. Section 02221, Paragraph 3.3.1.1, Compacted Backfill and Compacted Embankment, pg. 6, 7th line, Change “required” to “allowed”.
12. Section 02221, Paragraph 3.3.1.2, Pervious Backfill, pg. 6, shall be changed as follows: Immediately after each layer of pervious backfill has been placed in maximum 10-inch loose lifts, spread and saturated, the entire surface of the layer shall be compacted to 95% of the maximum dry density as determined by ASTM D698. Pervious backfill placed within 2 feet of concrete shall be placed in layers not more that 6 inches thick, shall be saturated by flooding

and shall be compacted by use of approved small vibratory compactors to 95 percent of the maximum dry density as determined by ASTM D698.

13. Delete Section 02315 STEEL H-PILES, this section is not applicable for this project.

14. Section 02610, 3.1.2, pg. 10, 1st line. Change "SECTION 02223" to "SECTION 02221".

15. Refer to specification 16405 section 2.4.2 "Grounding."

Add paragraph:

"A ¼"x2" solid copper ground bar shall be included in the bus duct. Flexible jumpers shall be provided at expansion joints. Ground bar shall be electrically bonded to bus enclosure at least every 5'-0". Provide lugs at the end points for external ground wire connections.

16. Refer to specification 16405.

Add new section 2.3.7.6.4-Transformer Differential Protection:

"Provide one set of current transformers (CTs) on the load side of circuit breaker 52-M1 and another set on the load side of 52-M2. Each set of CTs shall consist of three window-type CTs wired in a "wye" configuration. CTs shall have a primary-to-secondary ratio of 4000:5. Insulation ratings shall be suitable for the installation. CTs shall be relaying class with secondary voltage suitable for actual burdens. Provide shorting terminal blocks for the current transformer. The protective relay for substation transformer differential protection will be provided by others.

17. Refer to Specification Section 05120, Part 1.3 under SD-13 Certificates for Fabrication; FIO:

Replace sentence with the following: * A copy of the AISC certificate indicating that the fabrication plant meets the specified structural steelwork requirements.

18. Refer to Specification Section 05120, Part 3.1:

Replace third sentence with the following: "The fabricating plant shall be certified under the AISC quality certification program for simple and complex buildings for structural steelwork.

19. In Specification Section 02630, 2.1.1 Concrete Pipe, pg. 2. Change "ASTM C76, Class III" to "ASTM C76, Class V".

20. In Section 02546, 1.2 REFERENCES. Add the following references – ASTM D 1557 (1991; R 1998) Laboratory Compaction Characteristics of Soil Using Modified Effort (56,0000 ft-lb/cu. Ft. (2,700 kN-m/cu. M.)), ASTM D 4318 – (2000) Liquid Limit, Plastic Limit, and Plasticity Index of Soils, ASTM D 2922 – (1996e1) Density of Soil and Soil-Aggregate in Place by the Nuclear Methods (Shallow Depth), ASTM D 3017 – (1988; R 1996e1) Water Content of Soil and Rock in Place by nuclear Methods (Shallow Depth). Delete ASTM D 4253.

21. In Section 02546, 2.2.2 Gradation Requirements, Aggregate Base and Surface Courses, add the following subparagraph: "2.2.2.1 Liquid Limit and Plasticity Index -- Liquid limit and plasticity index requirements shall apply to the completed course and shall also apply to any component that is blended to meet the required gradation. The portion of any component or of the completed course passing the No. 40 sieve shall be either nonplastic or have a liquid limit not greater than 25 and a plasticity index not greater than 5. ASTM D 4318 will be used for the tests."

22. In Section 02546, 2.4.2.1 Gradation, delete last sentence and add the following sentence: "After the initial test have been completed, additional tests shall be conducted every 500 CY of material placed or a change in the material is noted from the source. If materials from more that one source are going to be utilized, this testing shall be completed for each source. The gradation testing will include ASTM D 4318."
23. In Section 02546, 2.3 DEGREE OF COMPACTION, replace the paragraph with the following: "Degree of compaction shall be expressed as a percentage of the maximum density obtained by the test procedure presented in ASTM D 1557."
24. In Section 02546, 2.4.2.2 Optimum Moisture and Maximum Laboratory Dry Density, replace paragraph as follows: "The maximum density and optimum moisture content shall be determined in accordance with ASTM D 1557. After the initial tests is completed, a minimum of one (1) maximum laboratory dry density test shall be run for every 1000 CY of material placed. Additional maximum laboratory density tests shall be run for each material change and/or as directed by the COR. If materials from more that one source are going to be utilized, this testing shall be completed for each source."
25. In Section 02546, DENSITY TESTS, delete paragraph and replace with the following paragraph. "Density shall be field measured in accordance with ASTM D 2922. For the method presented in ASTM D 2922 the calibration curves shall be checked and adjusted using the sand cone method (ASTM D 1556) as described in paragraph Calibration, of the ASTM publication. Tests performed in accordance with ASTM D 2922 result in a wet unit weight of soil and when using this method, ASTM D 3017 shall be used to determine the moisture content of the soil. The calibration curves furnished with the moisture gauges shall also be checked along with density calibration checks as described in ASTM D 3017. The calibration checks of both the density and moisture gauges shall be made by the prepared containers of material method, as described in paragraph Calibration of ASTM D 2922, on each different type of material being tested at the beginning of a job and at intervals as directed. At a minimum, ASTM D 1556 calibration checks shall be conducted every 2000 CY of placed material. In place density tests shall be performed on every lift of material and at a frequency of one set of tests for every 200 square yards, or portion thereof, of completed area."
26. In Section 02546, paragraph 3.6 COMPACTION, 4^h sentence, change "Standard Proctor" to "Modified Proctor - ASTM D 1557".
27. Section 09940, Paragraph 3.4 PAINTING SCHEDULES, pg. 20. System No. 2. Change "Storm Water Pumps above El. 190.0" to "Mud Valve Operators and Roller Gate Operators above Elev. 189.6."
28. Section 09940, Paragraph 3.4 PAINTING SCHEDULES, pg. 20. System No. 6. Change "Storm Water Pumps below El. 190.0, Discharge Header Piping (Interior and Exterior Surface), Formed Suction Intakes, Stop Logs, Sluice Gates, Trash Racks, and Mechanical Trash Rakes" to "Vertical, Mixed Flow Water Pumps, Discharge Header Piping and Valves (Interior and Exterior Surfaces) from pump discharge to Pump Station Sta. 19+60, Formed Suction Intakes (Interior and Exterior Surfaces), Stop Logs, Mud Valve and Roller Gate components below Elev. 189.6, Trash Racks, and Exterior Surfaces of Exposed Steel Piping inside of Flow Meter Chamber."
29. Section 16711, pg. 6, Insert new section:

2.7 CROSS-CONNECTS

2.7.1 Patch Panels

Patch panels shall be a complete system of components by a single manufacturer, and shall provide termination, splice storage, routing, radius limiting, cable fastening, storage, and cross-connection. Patch panel connectors and couplers shall be the same type and configuration as used elsewhere in the system. Patch panels shall be a 480 mm 19 inch rack mount type.

2.7.2 Patch Cords

Patch cords shall be cable assemblies consisting of factory connector-terminated flexible optical fiber cable with connectors of the same type as used elsewhere in the system. Optical fiber shall be the same type as used elsewhere in the system. Patch cords shall be complete assemblies from manufacturer's standard products.

30. Section 16904, pg. 11, Insert new section:

2.3.1.8 RFI Filter

4-20mA RFI filters shall remove RFI noise from analog instrumentation loops. RFI filters shall be 3-way signal isolators specifically manufactured for 4-20mA input, output and 24VDC power. Filters shall have an operating temperature range of at least 0-55degrees Celsius, shall provide at least 500V of isolation and shall mount to standard DIN-rail.

31. Replace Drawing C101, C102, C104, C106, C111, C115, C201, C202, C204, C207, C209, C211, C301, C302, C501, S806, E101, E102, E104, E409, and E411 with revised drawings included with this amendment. Revisions include the following:

31a. C101, 6 changes:

Removed gravel hatch from substation yard.

Extended substation yard fence to 166' North/South and 227' East/West.

Relocated access road for extended substation yard.

Changed riprap detail.

Added riprap on side slope of north bank at approximate station 25+00.

Added side slopes on farmer access road and Note 7.

31b. C102, 5 changes:

Removed gravel hatch from substation yard.

Extended substation yard fence to 227' East/West.

Relocated access road for extended substation yard.

Changed riprap detail.

Added riprap on side slope of north bank at approximate station 25+00.

31c. C104, 3 changes:

Extended substation yard fence to 227' East/West and 166' North/South.

Removed “(AGGR. SURFACING)” from note “ELECTRICAL SUBSTATION (AGGR. SURFACING).”

Relocated access road for extended substation yard.

31d. C106, 1 change:

Relocated access road for extended substation yard.

31e. C111, 1 change:

Relocated access road for extended substation yard.

31f. C115, 1 change:

Detail 1, replaced the note that reads:

DITCH CROSSING 60” X 68’ CMP STA. 11+50 RT. 437’.

With a new note that reads:

DITCH CROSSING. 60” POLYMER PRECOATED METTALLIC COATED CORRUGATED STEEL PIPE CULVERTS (14 GAUGE) w/ 3” X 1” CORRUGATIONS X 68’ LONG. STATION 11+50. RT. 437

And, added an additional note:

NOTE: POLYMER COATED PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M246 OR ASTM A742 WITH A MINIMUM THICKNESS OF 10 MILS.

31g. C201, 1 change:

Relocated access road for extended substation yard.

31h. C202, 1 change:

Relocated access road for extended substation yard.

31i. C204, 1 change:

Relocated access road for extended substation yard.

31j. C207, 1 change:

Relocated access road for extended substation yard.

31k. C209, 1 change:

Relocated access road for extended substation yard.

31l. C211, 1 change:

Relocated access road for extended substation yard.

31m. C301, 4 changes:

Removed gravel hatch from substation yard.

Extended substation yard fence to 166' North/South and 227' East/West.

South, East, and West sides of fence are changed to solid lines.

Relocated access road for extended substation yard.

31n. C302, 2 changes:

Modified stationing to relocate access road for extended substation yard.

Section B-C301, changed bedding thickness from 6" to 12".

31o. C501, 1 change:

Relocated access road for extended substation yard.

31p. S806, 9 changes:

Removed details A, B, & C regarding substation yard bus duct supports not in this contract.

Added note to elevation detail on where contractor shall end bus duct.

Dashed lines for bus duct and supports across substation yard.

Removed all bus duct dimensions and clearances from substation yard.

Added "By Others" comment for substation yard bus duct.

Added "See Note 1" comment referring b).

Added "This Contract" comment.

Added 5'-6" dimension from pump station wall to mark the end of the bus duct under this contract.

Added 12'-4" dimension for bus duct height leaving the pump station.

31q. E101, 5 changes:

Removed substation yard equipment footprints and notes.

Added "By Others" comment for substation yard bus duct.

Added keyed note 2 where contractor shall end bus duct.

Dashed lines for bus duct across substation yard.

Relocated access road for extended substation yard.

31r. E102, 2 changes:

Relocated access road for extended substation yard.

Relocated electrical hand holes to avoid conflict with realigned road.

31s. E104, 4 changes:

Added 1 set of CTs on the load side of 52-M1.

Added 1 set of CTs on the load side of 52-M2.

Each set of CTs shall consist of three window-type CTs wired in a “wye” configuration. CTs shall have a primary-to- secondary ratio of 4000:5. Insulation ratings shall be suitable for the installation. CTs shall be relaying class with secondary voltage suitable for actual burdens. Provide shorting terminal blocks with open-circuit protection for the current transformers. The protective relay for substation transformer differential protection will be provided by others.

Deleted “General Notes”.

31t. E409, 2 changes:

Dashed lines for bus duct to substation yard beginning 5’-6” from pump station wall to mark the end of the bus duct under this contract.

Added keyed note 7 on where contractor shall end bus duct.

31u. E411, 6 changes:

Added note where contractor shall end bus duct.

Removed note regarding secondary terminal bus connection at transformer.

Dashed lines for bus duct and supports across substation yard.

Added “By Others” comment for substation yard bus duct.

Removed earthquake joint comment.

Added “See Note 1” comment referring a).

END OF SUMMARY OF TECHNICAL CHANGES – AMENDMENT #0003

SECTION 00100 - INSTRUCTIONS TO BIDDERS

The following have been added by full text:

BIDDER'S QUALIFICATIONS

To establish its responsibility, the bidder may be requested by the Government to submit a statement regarding his previous experience in performing comparable work, his business and technical organization, financial resources (including recent financial statements or audits), plant available to be used in performing the work and, if applicable, an approved sub-contracting plan. All documents relevant to establish a bidder's responsibility shall be made available as soon as practicable after bid opening; but, not later than 3 days after request by the Contracting Officer or the authorized Representative of the Contracting Officer.

SECTION 00700 - CONTRACT CLAUSES

The following have been deleted:

52.236-1	Performance of Work by the Contractor	APR 1984
52.236-1	Performance of Work by the Contractor	APR 1984

(End of Summary of Changes)