

**ADDENDUM NO. 1
TO
CONTRACT NO. FCP 720
FREEPORT REGIONAL WATER PROJECT
SYSTEMWIDE COMMUNICATIONS SYSTEM**

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This Addendum No. 1 consists of 3 pages plus a 2 page attachment. It is the responsibility of the Bidder to assure and guarantee by acknowledging the receipt of this Addendum in the Bid Proposal that the Bidder has received the addendum in its entirety, and that the Bidder accepts all conditions contained herein.

VOLUME 1 – SPECIFICATIONS

1. SECTION 01010 – SUMMARY OF WORK
On Page 01010-1, paragraph 1.01 A. 4. Insert the following after the seventh sentence of the paragraph:

“Contractor shall pull fiber optic cable from pull box to pull box.”
2. SECTION 01030 – ENVIRONMENTAL MITIGATION
On Page 01030-1, paragraph 1.01 Delete subparagraph G. in its entirety and replace with the following:

“G. Work Area: Those lands within the limits of road right-of-way, public utility easement, FRWA acquired permanent easement, or FRWA owned fee title.”
3. SECTION 13431 – FIBER OPTIC COMMUNICATION SUBSYSTEM
On Page 13431-3, paragraph 1.02 F. Insert the following after the seventh sentence of the paragraph:

“Contractor shall pull fiber optic cable from pull box to pull box.”
4. SECTION 13431 – FIBER OPTIC COMMUNICATION SUBSYSTEM
On Page 13431-7, paragraph 2.01 D. 3., after the phrase “less than 50 feet” insert the phrase “on each side of splice”.
5. SECTION 13431 – FIBER OPTIC COMMUNICATION SUBSYSTEM
After Page 13431-22, Delete Supplement FIBER OPTIC CABLE DISTRIBUTION AND DESTINATION LISTING in its entirety and replace with the new supplement table FIBER OPTIC CABLE DISTRIBUTION AND DESTINATION LISTING as attached to this Addendum No. 1.

6. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-4, paragraph 2.01 B. 1., replace “May 2007” with “May 2008”.
7. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-4, paragraph 2.01 B. 1. b., replace “May 2007” with “May 2008”.
8. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-5 refer to paragraph 2.02 A., insert the following new subparagraph:

“4. Provide 3 additional sets of universal Rapid/Versa rails for Dell 1950 III servers.”
9. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-6 in table that is part of paragraph 2.02 A. 3., refer to “Equipment ID” row of table under “Laptops” column and add “SCADA-Laptop-103” and “SCADA-Laptop-104”.
10. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-6 in table that is part of paragraph 2.02 A. 3., refer to “Mounting” row of table under “SCADA Server(s)” column and after the phrase ‘1U 19” Rack Mount’ add “chassis with sliding Rapid/Versa rails and cable management arm, universal”.
11. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-8 in table that is part of paragraph 2.03 B., refer to “Equipment ID” row of table under “Laptops” column and add “SCADA-Laptop-103” and “SCADA-Laptop-104”.
12. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “Data Base” row of table under “Laptops” column and delete “Laptops only” in its entirety.
13. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “CD Burning” row of table under “Laptops” column and delete “Laptops only” in its entirety, and replace with “Roxio – Easy Media Creator 7.5”.
14. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “Backup/Recovery” row of table under “Laptops” column and delete “Laptops only” in its entirety, and replace with “Backup Exec 10.0”.

15. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “VoIP Call Manager Software” row of table under “Laptops” column and delete “Laptops only” in its entirety.
16. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “Administration Security Software” row of table under “Laptops” column and delete “Laptops only” in its entirety.
17. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “VoIP Paging Configuration Software” row of table under “Laptops” column and delete “Laptops only” in its entirety.
18. SECTION 13442 – COMPUTER SUBSYSTEM
On Page 13442-9 in table that is part of paragraph 2.03 B., refer to “Control Software” row of table under “Laptops” column and delete “Laptops only” in its entirety.

VOLUME 2 – DRAWINGS

19. DRAWING NUMBER C-5 – FIBER OPTIC PULL BOX DETAILS AND SECTIONS 1
Refer to note in double-lined box on bottom of drawing, delete “PULL BOXES AND CONDUIT ARE EXISTING AND BASED ON AS-BID DOCUMENTS”, and replace with “ALL WORK ON THIS DRAWING IS EXISTING AND IS BASED ON AS-BID DOCUMENTS FROM WORK IN OTHER CONTRACTS”.
20. DRAWING NUMBER C-6 – FIBER OPTIC PULL BOX DETAILS AND SECTIONS 2
Refer to note in double-lined box on bottom of drawing, delete “PULL BOXES AND CONDUIT ARE EXISTING AND BASED ON AS-BID DOCUMENTS”, and replace with “ALL WORK ON THIS DRAWING IS EXISTING AND IS BASED ON AS-BID DOCUMENTS FROM WORK IN OTHER CONTRACTS”.

FREEPORT REGIONAL WATER AUTHORITY



Eric F. Mische, General Manager

6/19/2008

Date

FIBER OPTIC CABLE DISTRIBUTION AND DESTINATION LISTING

Fiber Cable ID (Sub-Fiber Pairs ID)	From	To	Use	Comment
SCADA FIBER				
012-LCP-SERVER-FO-2	012-LCP-SERVER	Handhole HH-C-6 for extension of fiber to facilities along conveyance pipeline.	36-Single Mode Fibers designated for Control Facilities along FRWP Pipeline FOC length from panel to panel with specified slack is approximately 850 feet	Reference Drawings 10-N-71, 10-N-72, 10-E-73 Terminate all fibers at Patch Panel
012-LCP-ADMIN-FO-1	012-LCP-ADMIN PANEL	Handhole HH-C-6 for extension of fiber to facilities along conveyance pipeline.	36-Single Mode Fibers designated for ADMIN network at SCWA Vineyard SWTP FOC length from panel to panel with specified slack is approximately 850 feet	Reference Drawings 10-N-71, 10-N-72, 10-E-73 Terminate all fibers at Patch Panel
012-LCP-SECURITY-FO-1	018-LCP-SECURITY	Handhole HH-C-6 for extension of fiber to facilities along conveyance pipeline.	24-Single Mode Fibers designated for Intake Security to SCWA Vineyard SWTP FOC length from panel to panel with specified slack is approximately 300 feet	Reference Drawings 10-N-71, 10-N-72, 10-E-73 Terminate all fibers at Patch Panel
061-CCP-BIFF-FO-1	61-EE-CCP-080	Handhole HH-C-6 splice cables 012-LCP-SERVER-FO-2, 012-LCP-ADMIN-FO-1 and 012-LCP-SECURITY-FO-1	96-Single Mode Fibers: FOC length from panel to panel with specified slack is approximately 73,500 feet <ul style="list-style-type: none"> • 36-Single Mode Fibers designated for SCADA • 24-Single Mode Fibers designated for Security. • 36-Single Mode Fibers designated for Admin 	Reference Drawings C-1, C-2, C-3, 4-N-75, 4-N-76, 10-E-73 Terminate all fibers at Patch Panel

Fiber Cable ID (Sub-Fiber Pairs ID)	From	To	Use	Comment
(050-CCP-TW-FO-1)	61-EE-CCP-080	050-CCP-TWS	48-Single Mode Fibers designated for Terminal Weir Structure: FOC length from panel to panel with specified slack is approximately 22,500 feet <ul style="list-style-type: none"> • 24-Single Mode Fibers designated for SCADA • 24-Single Mode Fibers designated for Security 	Reference Drawings C-3, 3-N-71, 4-N-75, 4-W-76, 10-E-73 Terminate all fibers at Patch Panel
(064-CCP-FCS-FO-1)	61-EE-CCP-080	64-EE-CCP-580	96-Single Mode Fibers designated for Flow Control Station: FOC length from panel to panel with specified slack is approximately 8,700 feet <ul style="list-style-type: none"> • 36-Single Mode Fibers designated for SCADA • 24-Single Mode Fibers designated for Security • 36-Single Mode Fibers designated for Admin 	Reference Drawings: C-3, 3-N-71, 4-N-75, 4-W-76, 10-E-73 Terminate all fibers at Patch Panel