

PANAMA CANAL AUTHORITY		VARIATION	PAGE 1 OF 3
1. REQUEST FOR PROPOSAL No.:	2. CONTRACT No.:	3. DATE:	4. VARIATION No.:
RFP-76161	CMC-221427	December 12, 2013	084

5. ISSUED BY:

PANAMA CANAL AUTHORITY
Employer's Representative
Locks Project Management Division
Building 740, Corozal
Panama, Republic of Panama

6. NAME AND ADDRESS OF CONTRACTOR (INCLUDE PHYSICAL & POSTAL ADDRESS)	7. CONTRACTOR'S TELEPHONE NUMBER:
Grupo Unidos por el Canal, S.A. Building 22B, Brujas Road Cocoli, Republic of Panama	507-316-9900
	8. CONTRACTOR'S FACSIMILE NUMBER:

9. VARIATION:

- The contract referred to in item No. 2 is hereby varied as set forth in item 10, entitled "DESCRIPTION OF VARIATION".
 YES. NO. The contractor shall send a copy, duly signed, of this Variation to the Employer's Representative/Contracting Officer.

	9 A. THIS VARIATION IS EXECUTED ON THE BASIS OF: (Specify the legal authority). THE VARIATION DESCRIBED IN ITEM 10 IS HEREBY INCORPORATED AND MADE A PART OF THE CONTRACT.
	9 B. THE CONTRACT REFERRED TO IN ITEM NO. 2, IS VARIED TO INCORPORATE ADMINISTRATIVE CHANGES (such as the paying office, account numbers, etc.).
X	9 C. THIS BILATERAL AGREEMENT IS SIGNED AND INCORPORATED INTO THE CONTRACT REFERRED TO IN ITEM NO. 2 OF THIS FORM, ON THE BASIS OF: (Specify the legal authority) Volume III, Conditions of Contract, Sub-Clause 1.16 [Entire Agreement].]
	9 D. OTHER. (Specify manner and the legal authority).
	9 E. ACCOUNT NUMBER (If required):

10. DESCRIPTION OF THE VARIATION (List in accordance with the order of the Contract. If additional space is required, use blank sheets).

See attached

Except for the variation(s) herein specified, all other terms and conditions of the Contract remain unchanged.

11. NAME AND TITLE OF THE PERSON AUTHORIZED TO SIGN (Type or print)	12. NAME AND TITLE OF THE EMPLOYER'S REPRESENTATIVE/CONTRACTING OFFICER (Type or print)		
Bernardo Gonzalez Contractor's Representative	Jorge de la Guardia, Employer's Representative		
13. CONTRACTOR	14. DATE:	15. PANAMA CANAL AUTHORITY	16. DATE:
 (Authorized signature)	12/12/2013	 (Employer's Representative/Contracting Officer's signature)	12/11/2013

This Variation No. 084 is issued to reflect the following changes:

1. **Volume II, Part 2, Section 01 89 16 [Site Construction]:** Delete Sub-Paragraph 1.03 B.1.b in its entirety and replace it with the following:

"b. Shall be located a minimum of 50 m from all structures within the facility and a minimum of 150 m from the face of the lock wall. Due to the construction of the Pacific Locks Visitors Center, and the fact that access to the area is controlled, the fence in the vicinity of the Visitors Center shall be located a minimum of 30m from all structures within the facilities. The section to which the 30m requirement for the east perimeter fence applies has the following coordinates:

- a. N 1024196.5525 E 619721.0308
- b. N 1024168.1110 E 619647.7017
- c. N 1024047.0259 E 619666.6544
- d. N 1023999.6979 E 619757.9335

(RFI-574)

2. **Volume II, Part 2, Section 01 89 16 [Site Construction]:** Delete Sub-Paragraph 1.03 B.1.b in its entirety and replace it with the following:

"b. Shall be located a minimum of 50 m from all structures within the facility and a minimum of 150 m from the face of the lock wall, with the following exceptions:

b. 1. Due to the construction of the Atlantic Locks Visitors Center, and the fact that access to the area is controlled, the fence in the vicinity of the Visitors Center shall be located a minimum of 30m from all structures within the facilities. The section to which the 30m requirement for the east perimeter fence applies has the following coordinates:

- a. N 1024196.5525 E 619721.0308
- b. N 1024168.1110 E 619647.7017
- c. N 1024047.0259 E 619666.6544
- d. N 1023999.6979 E 619757.9335

b. 2 Due to the geometrical constraints of the west inlet and the side slope of Borinquen Dam 2W of the Pacific Locks, and the fact that access to the area is controlled, the fence in the vicinity of the FER2 building shall be located a minimum of 20 m from all structures, and shall be aligned along the dam crest and wing wall top platform to avoid contact with water. The fence access gate located at the dam crest shall be 150 m measured from the wing wall knuckle, and the north west perimeter fence shall be aligned with the following coordinates:

- a. N 993453.1602 E 654573.2699
- b. N 993437.2515 E 654613.2923
- c. N 993399.9550 E 654566.1047



Design and Construction of the Third Set of Locks

d.	N 993397.4493	E 654548.9672
e.	N 993415.9845	E 654502.3575
f.	N 993396.9317	E 654494.7809
g.	N 993387.6395	E 654491.0857
h.	N 993370.0008	E 654484.0233
i.	N 993354.3531	E 654523.3719

(RFV-212)

3. **Volume II, Part 2, Section 01 89 16 [Site Construction]:** Delete Sub-Paragraph 1.04 B.1.g in its entirety and replace it with the following:

“g. Perimeter fence for the locks shall be located a minimum of 50 m from structures, except as indicated in Subparagraph 1.03 B. 1.b.” (RFV-212)

4. **Volume II, Part 1, Section 40 00 00 [Process Systems Integration]:** Delete Sub-Paragraph 1.03 D.1.a in its entirety and replace it with the following:

“a. Shall be certified for use in tropical coastal marine climate (resistance to temperature, corrosion, water, sun rays, and pollution considered) and have a minimum level of protection in accordance with IEC 60529 (even for equipment that will normally not be submerged):

- 1) *IP 66 for FFCS cabinets.*
- 2) *IP 68 whenever available, IP 67 otherwise for all other cases.”* (RFV-207)

5. **Volume II, Part 2, Section 01 86 13 [Plant Mechanical Systems and Equipment]:** Delete Sub-Paragraph 1.04 Q.1.b in its entirety and replace it with the following:

“b. Piping Distribution System: Foam pipes, fittings, and valves aboveground shall be fabricated of stainless steel material. Water pipes, fittings, and valves aboveground shall be fabricated of ductile iron material. All pipes, fittings, and valves to be installed underground shall be fabricated of ductile iron material. Ductile iron valves and fittings shall be internally and externally coated against corrosion. Ductile iron pipe shall be cement lined and shall conform to AWWA standard C104. Underground ductile iron pipes shall be protected against corrosion by means of a polyethylene wrapping conforming to AWWA C105.”

(Refer to IAE-UPC-1761, GUPC-IAE-2271)

