

CHATHAM COUNTY PURCHASING DEPARTMENT

ADDENDUM NO. 1 TO BID NO. 16-0119-4

FOR: TIDE GATE MONITORING AT PIPEMAKERS CANAL

---

---

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

QUESTIONS RECEIVED:

1. Detail 3/e2 indicates bracket and framing to 'hold off' the uni-strut and flow meter from the bridge. The detail indicates to utilize SS strut vertically to mount the meter in the stream. However, we cannot locate a detail or information regarding the structure that extends out away from the bridge and over the existing conduits. Please provide a detail for this structural frame.

**Answer: See attached Plan Sheet SK-1**

2. Spec 16010, 3.06 mentions providing notice prior to load testing. We do not see any requirement to load test. This is an existing GENSET. Is a load test required ?

**Answer:**

No. The requirement for load testing was incorrectly included in the specifications. Any testing required on the generator will be handled outside of the contract. Section 16000, Paragraph 3.06 is deleted

3. Note 21 on sheet E2 requires an elevation disc installed. Where is the closest or nearby established benchmark?

**Answer:**

While there is control in the area of the work, it may not be suitable for use on the project. Chatham County will engage a surveyor to establish horizontal and vertical control points on the site prior to work beginning. This information will be provided to the contractor before work begins.

**NOTE:**

Chatham County is making a change to the flow loggers for the level transducers and flow meter which will result in savings to the County. The changes are noted in the addendum to Section 17000 **Please see the attached word document.**

**NOTE:** The contractor shall provide to Chatham County one unused ISCO Signature laser flow system including laser flow meter and recording/reporting logger, to serve as backup to the same devices to be installed as part of the contract. The devices will be provided in original containers (opened to confirm that equipment is correct and secure). **The cost of the backup equipment shall be included in the lump sum bid for the project.**

**ATTACHMENTS:**

**CHANGES TO Section 17000 *Instrumentation, Data Logging and Video System***  
(2 pages)

Plan Sheet : SK - 1 ( 1 page)

---

---

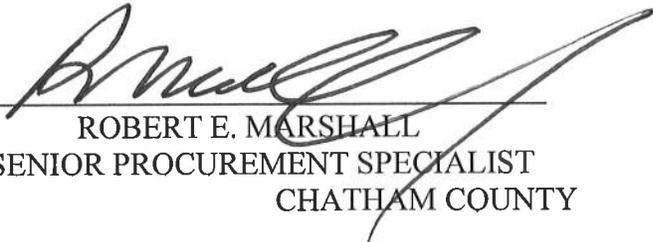
**BID OPENING DATE REMAINS :**

**2PM, THURSDAY, FEBRUARY 2, 2017**

---

---

1/31/17  
DATE

  
\_\_\_\_\_  
ROBERT E. MARSHALL  
SENIOR PROCUREMENT SPECIALIST  
CHATHAM COUNTY

## **SECTION 17000 INSTRUMENTATION, DATA LOGGING AND VIDEO SYSTEM**

### Changes to Paragraph 1.1.B, Table of Major Components

In the third line of the table (begins with LE-101B), replace the "Description & Service" entry to the following: Ultrasonic Level Transducer – Measures Upstream Canal Level.

In the sixth line of the table (begins with LE-102B), replace the "Description & Service" entry to the following: Ultrasonic Level Transducer – Measures Downstream Canal Level.

Delete the sixth line of the table (begins with LIT-102) in its entirety.

Delete the ninth line of the table (begins with LED-1) in its entirety. (The LED lights will be supplied by the General Contractor.)

Delete the eleventh line of the table (begins with LED-2) in its entirety. (The LED lights will be supplied by the General Contractor.)

Delete the thirteenth line of the table (begins with LED-3) in its entirety. (The LED lights will be supplied by the General Contractor.)

Delete the fifteenth line of the table (begins with LED-4) in its entirety. (The LED lights will be supplied by the General Contractor.)

In the sixteenth line of the table (begins with CAM-5) Replace the "Description & Service" entry with the following: Video Camera to view Downstream Gates 1, 2, 3, 4, 5 & 6.

Delete the seventeenth line of the table (begins with LED-5) in its entirety. (The LED lights will be supplied by the General Contractor.)

### Changes to Paragraph 2.3, Ultrasonic Level Sensors, Transmitters and Enclosure

Delete existing paragraphs A, B and H and replace them with the following new paragraphs A, B and H:

- A. Provide one (1) ISCO Signature Ultrasonic Flow Meter System with one (1) TIENet 310 Ultrasonic Level Sensor. Provide 10 meters of cable and all other required accessories.
- B. Provide one (1) additional ISCO TIENet 310 Ultrasonic Level Sensor with 10 meters of cable and all other required accessories.
- H. The Signature Ultrasonic Level Transmitter will be mounted by the Instrumentation and Control System Integrator in LCP-A, a wall-mounting NEMA 4X enclosure

constructed of #304 stainless steel with white powder coating. An AC power surge protector shall be located inside the enclosure to protect the ultrasonic level transmitter power modules from power transients. Battery Backup System or Uninterruptible Power Supply system shall be provided to maintain auxiliary power for at least 8 hours.

Changes to Paragraph 2.4, Laser Doppler Velocity Laser Flow Sensor and Transmitters

Delete existing paragraphs A and B and replace them with the following new paragraphs A and B:

- A. Provide one (1) ISCO Signature Laser Flow System with TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 10 meters of cable. Provide all other required accessories.
- B. The Signature LaserFlow Transmitter shall be mounted in LCP-B as supplied by the Instrumentation and Control System Integrator. Battery Backup System or Uninterruptible Power Supply system shall be provided to maintain auxiliary power for at least 8 hours.

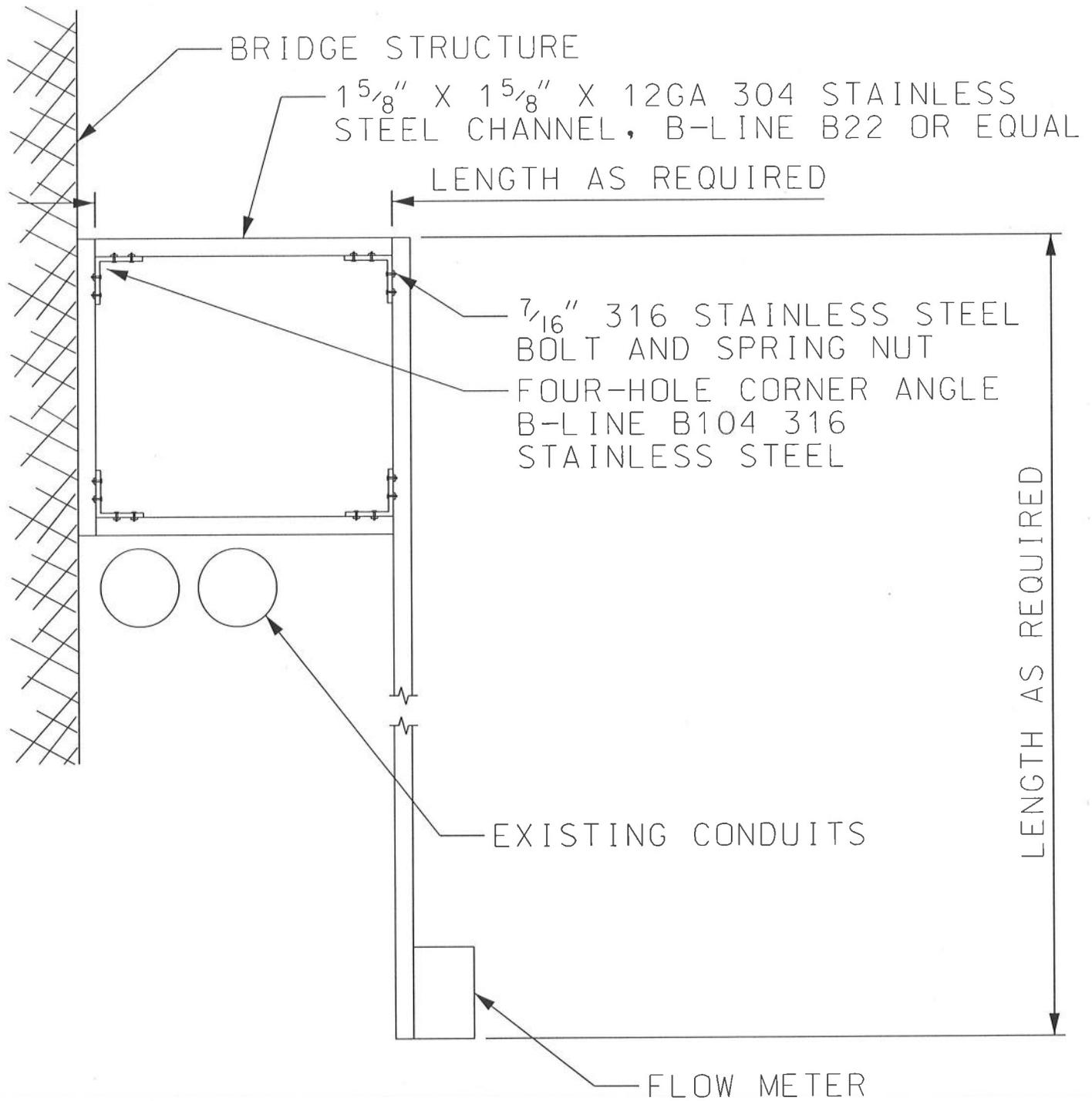
Changes to Paragraph 2.10, LCP-A: Local Control Panel for Tide Gate Structure

Delete existing paragraph C.5 in its entirety.

Changes to Paragraph 2.11, LCP-B – Local Control Panel for Canal Flowmeter Data Logger

Replace existing paragraph A.3 with the following:

- A.3 ISCO Signature LaserFlow Transmitter.



SCALE: NONE Chatham Co Pipemaker Canal Gate Monitoring.16028\E3.dgn

REFERENCE SHEET: E2



Chatham Engineering Company, LLC  
 109 Park of Commerce Drive, Suite 6  
 Savannah, Georgia 31405-1396  
 (912) 238 2400, FAX (912) 238 2412

PROJECT	TIDEGATE MONITORING PIPEMAKERS CANAL, CHATHAM CO. GA	NUMBER	1	LOCATION	CHATHAM COUNTY, GEORGIA
SHEET	SK-1	DESIGNED	C.COBB 01/30/2017	CHECKED	C.COBB 01/30/2017