

September 20, 2021

**Subject: ITB #1991-B: Kedron Dam Spillway & Intake Structure Repairs
Addendum #1**

Gentlemen/Ladies:

Below, please find responses to questions, clarification, or additional information for the above referenced Invitation to Bid. You will need to consider this information when preparing your bid.

1. Do you want to add metal siding to the Intake Structure?

Yes. See additional pictures (Attachments 1-6).

2. The Pricing Sheet has been updated and is attached (Attachment 7). On the updated a sheet a place has been added for vendors to indicate the lead time for equipment and how long the work will take to complete.

3. The original Scope and Specification has been removed and replaced with an updated Scope and Specification (Attachment 8).

4. What is the Exceptions Page used for?

The Exceptions page is to be used for clarifications of the specifications to the bid or additional information vendors wish to include in their bid which requires additional space.

5. For the joint Caulking on the Spillway, what is the depth we dig out on the expansion joints?

There is no specific depth. Contractors shall remove all old caulk and add new backer rod.

6. How long can the lake level stay down?

As long as needed to complete the work; however, this would be weather dependent.

7. Who maintains the lake level once it is down?

Fayette County Water System will maintain the lake level.

8. What does "coordinate with J. K. Duren" mean? Does it mean the awarded vendor hires Duren directly?

J. K. Duren is our SCADA vendor. The awarded vendor will hire J. K. Duren directly for any necessary work connecting to the SCADA system.

9. Does the vendor actually buy the actuator?

Yes.

10. Is the butterfly valve operating?

This will need to be determined during other repairs inside riser as part of confined space work.

11. Do we need to add spacers between the gate valve and the butterfly valve?

This will need to be determined during other repairs inside riser as part of confined space work.

12. Is the butterfly valve restricted in any way?

This will need to be determined during other repairs inside riser as part of confined space work.

13. What work does the County require on the wood inside the Intake Structure?

The Scope and Specification has been updated and is attached (Attachment 8).

14. Define a definite area of repair of the stormwater conveyance area.

12' Wide x 110' Long.

15. Is there a profile of the turndown area?

No. The narrative of the proposed ditch paving is now in revised bid spec. The Scope and Specification has been updated and is attached (Attachment 8).

16. Please provide the concrete thickness, reinforced or not reinforced and the inches between turndown.

The bid spec has been revised. The Scope and Specification has been updated and is attached (Attachment 8).

17. Will the vertical joints on the wall of the spillway be included?

Yes, but not those adjacent to the stilling basin.

18. Will the ground water affect the drying time of the joints? If not, will the contractor be allowed to use another product? (WS- if you answer yes – they will need to put the product on the exceptions page)

The product choice for the joints will need to be approved by FCWS if a product other than Sika-1A/Sikaflex-2c NS sealant is installed.

19. When filling the void what amount of material will be used?

Clean compacted fill dirt to grade and 4" #57 stone bedding for ditch paving.

20. Why are there dissipaters in the overflow?

To reduce stormwater velocity.

21. The piping to the right of the Turbotrol will be removed. The Turbotrol box can be removed.

The Scope and Specification has been updated to reflect the removal of the Turbotrol and the Turbotrol box and is attached (Attachment 8).

22. Can we quote on a Limitorque actuator in lieu of or in addition to the AUMA?

Yes, but include any product information on the exceptions page if you bid a product that is not in the Scope and Specification. The contractor will be required to purchase, install, and coordinate with actuator representative.

21. A Commercial Repair permit will be required for the repairs. The electrical, ladder, roof repair and siding will all be a part of the permit. The contractor will need to provide a plan reflecting everything they are doing inside and out for plan review and as part of the permit submission process.

Received by (Name): _____ Company _____

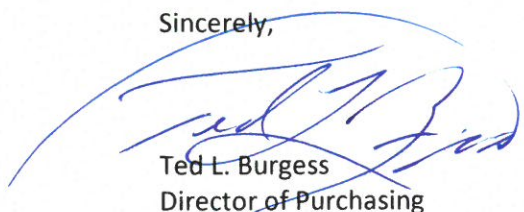
Note: If this addendum is not returned to the Fayette County Purchasing Department or if it is returned not signed, responding individuals, companies or other organizations will still be responsible for the requirements of this addendum and the specifications or changes herein.

The opening date for this ITB has not changed. **The opening time and date are 3:00 p.m., Thursday, September 23, 2021.** Bids must be received by the Purchasing Department at the address above, Suite 204, at or before the opening date and time.

The deadline for inquiries has passed, so the Purchasing Department will not be able to accept any additional questions after this time.

If you have questions, please contact Natasha Duggan, Contract Administrator at (770) 305-5150, fax (770) 719-5534 or email at nduggan@fayettecountyga.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ted L. Burgess", is written over a circular blue ink stamp.

Ted L. Burgess
Director of Purchasing

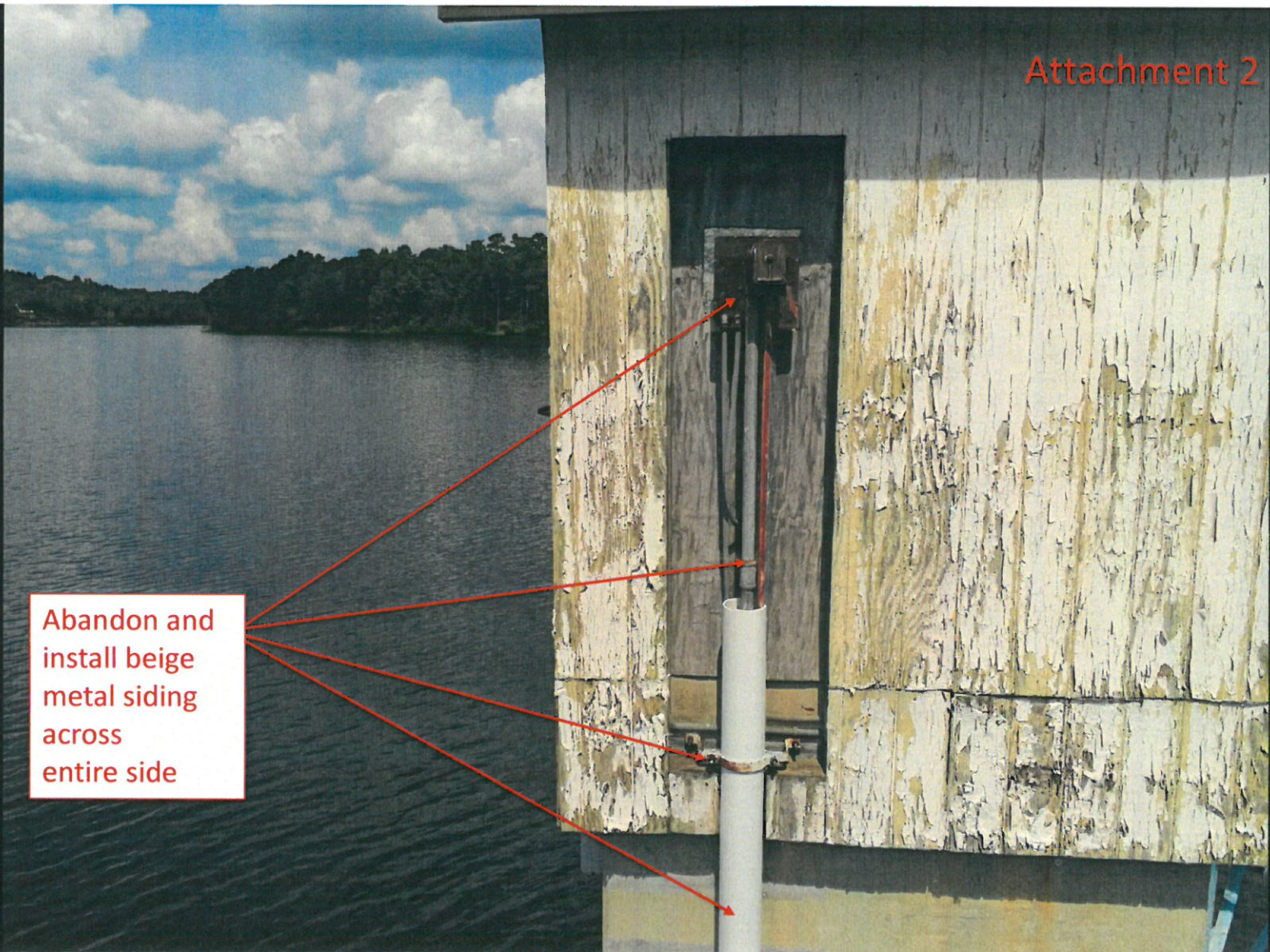
Attachment 1

Kedron Intake Structure Building

by Benjamin Martin

Attachment 2

Abandon and
install beige
metal siding
across
entire side

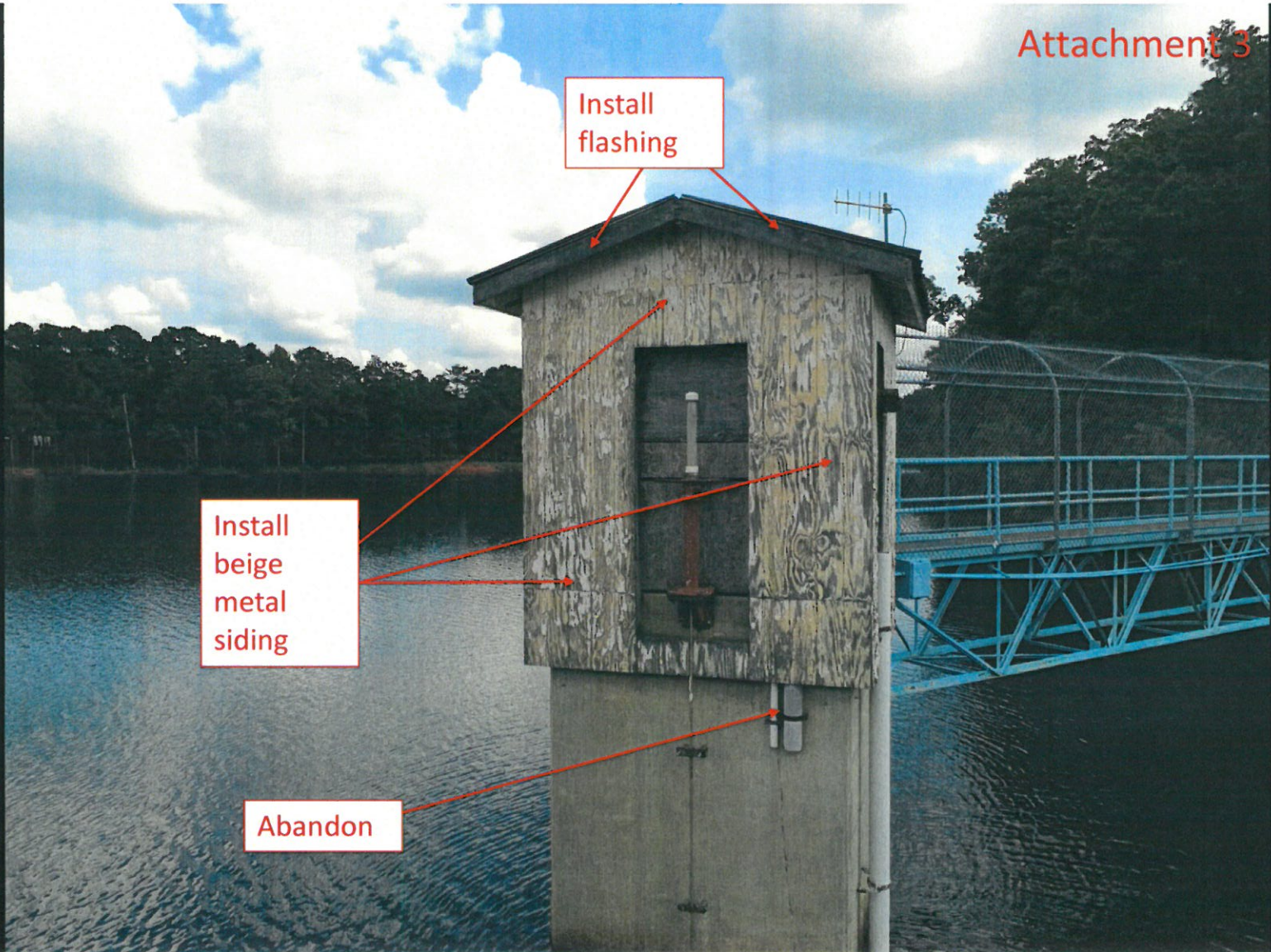


Attachment 3

Install
flashing

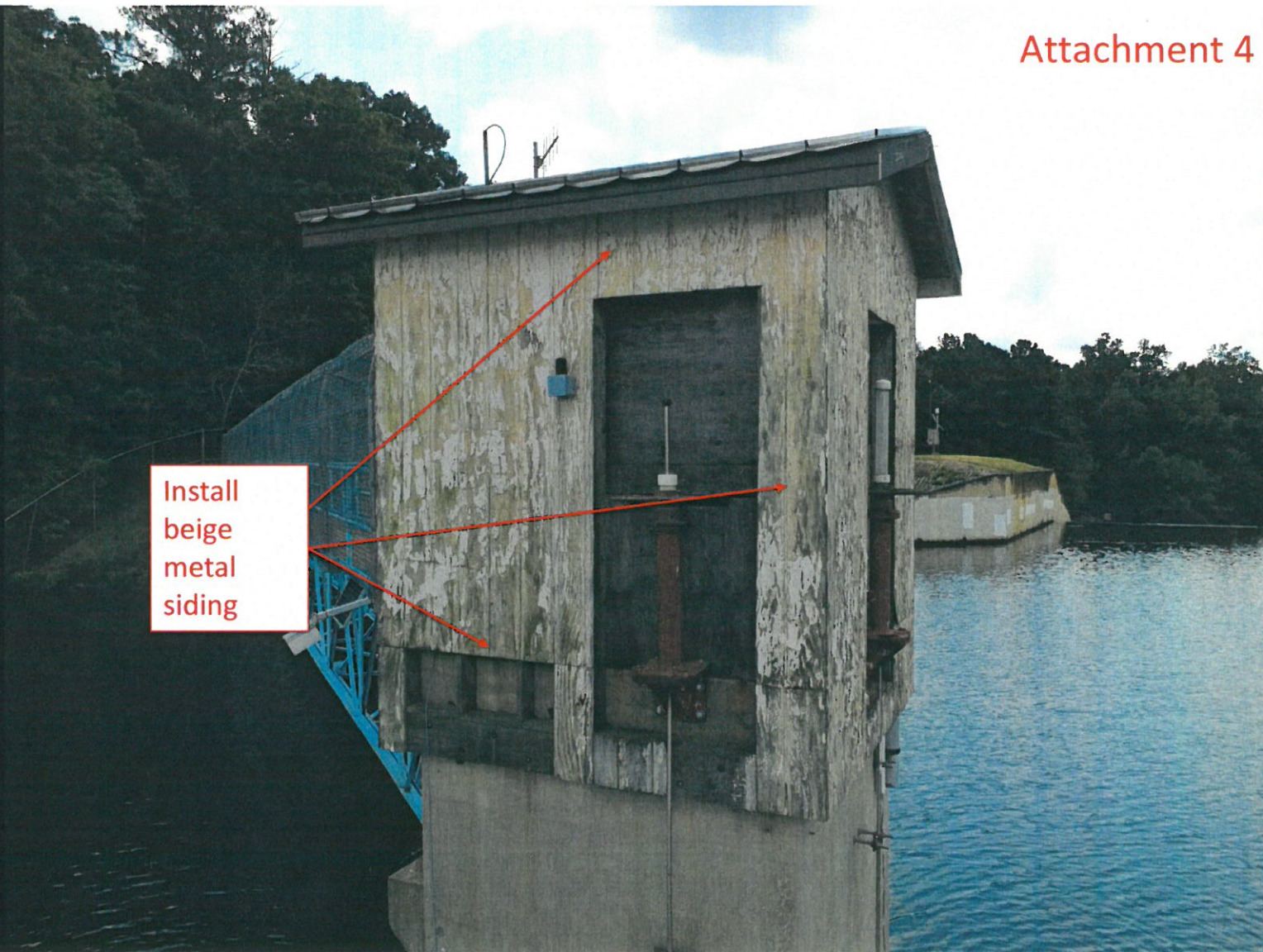
Install
beige
metal
siding

Abandon



Attachment 4

Install
beige
metal
siding



Attachment 5

Install
Ridge Cap



Attachment 6

Install
beige
metal
siding



PRICING SHEET – updated 9/20/2021**ITB #1991-B: Kedron Dam Spillway & Intake Structure Repairs**

Responder agrees to perform all the work described in the Contract documents for the following prices:

Base Bid, Per Specification \$ _____

Contingency Allowance: \$ 10,000

Total Base Bid \$ _____

NOTES:

1. The Contingency Allowance shall only be used with prior written approval by the County Administrator.
2. All applicable charges shall be included in your total quoted amount, including but not limited to materials, shipping, equipment, installation, labor, and any other amounts. No additional charges will be allowed after the quote received by date.
3. All warranties shall be included in your total quoted amount.
4. **The successful company who is awarded a contract for the performance of this work shall be in compliance with all requirements of the Georgia Construction Industry Licensing Board's Division of Utility Contractors Title 433, and any other regulations or requirements for the performance of this work.**

State lead time for equipment*: _____ Days/Weeks.

**Provide additional details, if needed, on the Exceptions page provided.*

State time needed to commence work after notice to proceed is issued _____ Days.

State time needed to complete the work: _____ Days.

State warranty coverage (Minimum 1 year): _____

COMPANY'S NAME _____

SCOPE AND SPECIFICATION – updated 9/20/2021
ITB #1991-B: Kedron Dam Spillway & Intake Structure Repairs

INTRODUCTION

Fayette County Water System is seeking bids from qualified vendors for the repairs to the Lake Kedron Dam intake structure, concrete spillway, and downstream slope fabricform. Lake Kedron Dam is a Category 1 earthen embankment dam located at 616 Wingspread in Peachtree City, Georgia. Construction of the dam was completed in 1987 for the Fayette County Water System with the primary purpose to serve as a drinking water source. It has a normal pool elevation of 835 feet above sea level. The principal spillway is a 113-foot wide concrete broad-crested weir and downslope chute. The intake structure serves as monitoring station, downstream flow control, and low-level drain for the reservoir.

BACKGROUND

When the reservoir is below normal pool elevation the 10-inch BFV within the intake riser must be operable to regulate downstream flow. The valve shaft that operates the 10-inch Butterfly Valve (BFV) is currently broken and must be replaced along with the required pipe support, and an additional gate valve hand wheel operator. In order to complete this work, the internal riser ladder will require repair. The intake structure building also requires cleanup of old equipment, installation or varmint control, and minor building repairs. The existing spillway construction joint caulking has deteriorated and periodic replacement is required to prevent water intrusion.

SCOPE OF WORK

The chosen contractor shall provide any and all permits, materials, equipment, mobilization, de-mobilization, and labor as needed to perform repairs and installation. Services will include the following:

INTAKE STRUCTURE REPAIR, includes but is not limited to:

- 1) Remove damaged valve shaft (for 10-inch BFV) and pipe supports.
- 2) Construct new valve shaft and replacement pipe supports (stainless steel).
- 3) Repair valve shaft operator stand concrete base.
- 4) Ensure operation of existing BFV and gate valve.
- 5) Installation of switch operated 200-watt LED marine flood light in riser.
- 6) Replace existing defunct AUMA Actuator with AUMA quarter-turn electric actuator (SQR10.2/AC01.2) with hand wheel operator or Turbotrol equal.
- 7) Connect power (existing power junction box) and control wiring (existing SCADA panel) to new actuator.
- 8) Replace 10" gate valve operator wheel.
- 9) Removal of loose material from bottom of the riser structure.
- 10) Replace riser access ladder with an aluminum access ladder.
- 11) Demolition of existing water level/valve panel (Turbotrol panel) and associated fixtures/conduits.

Attachment 8

- 12) Installation of varmint control for intake building – hardware cloth and/or flashing and/or soffit.
- 13) Installation of roof ridge vent.
- 14) Installation of metal exterior siding and flashing (beige).
- 15) Paint access door (clean, prime, paint with beige exterior acrylic latex).
- 16) Paint Interior walls (clean, prime, paint with white exterior acrylic latex).
- 17) Paint existing interior railing (clean and paint with direct to metal DTM acrylic paint)

SPILLWAY EXPANSION/CONSTRUCTION JOINT CAULKING

Work shall include the removal of old existing construction joint caulking, placement of new elastomeric sealant (excluding stilling basin and adjacent vertical joints), and replacement of the existing fabriform to address sinking and cracking of the existing grout.

- 1) Wait for dry period and lake level below full pool elevation (835'). Alternatively, FCWS will lower lake level to maintain water level below spillway
- 2) The existing caulking material will be removed (approximately 1300 LF) and disposed.
- 3) Expansion joints will be cleaned and new backer rod and Sika-1A/Sikaflex-2c NS sealant installed (per Sika Product Sheet).

FABRIFORM SINKHOLE REPAIR

- 1) Removal and disposal of existing fabriform.
- 2) Fill sinkhole with clean compacted fill dirt.
- 3) Replace fabriform with 6" reinforced concrete ditch paving:
 - a. Provide 4" of stone bedding (#57 stone).
 - b. Install approximately 110' x 12' of 6" reinforced concrete ditch paving with a 4:1 slope and install turndowns at top and middle of paving length.
 - c. Add baffles/velocity dissipaters to ditch paving.

ADDITIONAL WORK

Vendor will coordinate with the representative of selected actuator manufacturer (Limitorque, AUMA, or equal) and ensure manufacturer warranty is provided to FCWS.

Vendor will hire JK Duren for SCADA required hook-ups.

Vendor will report to owner any additional work needed not covered above. Vendor agrees that the Contingency Allowance is for the sole use of Owner to cover unanticipated costs. The Contingency Allowance shall only be used with prior written authorization by the County Administrator.

Vendor agrees to provide minimum 1-year warranty to all work provided.