

# EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to approve a new contract with **Wildish Building Co.** for **Leaburg Dam Roll Gate Bulkhead Installation and Removal.**

Board Meeting Date: November 5, 2013

Project Name/Contract#: Leaburg Dam Roll Gate Bulkhead Installation and Removal/ 042-2013

Primary Contact: Mel Damewood Ext. 7145

Purchasing Contact: Sarah Gorsegner Ext. 7348

<b>Action Requested:</b>	
<input checked="" type="checkbox"/>	Contract Award
<input type="checkbox"/>	Contract Renewal
<input type="checkbox"/>	Contract Increase
<input type="checkbox"/>	Other

### Contract Amount:

Original Contract Amount: \$ 399,000 through Dec. 2014

Additional \$ Previously Approved: \$ n/a

Invoices over last approval: \$ n/a

Percentage over last approval: n/a %

Amount this Request: \$ 399,000 through Dec. 2014

**Resulting Cumulative Total:** \$ 399,000 through Dec. 2014

<b>Funding Source:</b>	
<input checked="" type="checkbox"/>	Budget
<input type="checkbox"/>	Reserves
<input type="checkbox"/>	New Revenue
<input type="checkbox"/>	Bonding
<input type="checkbox"/>	Other

### Contracting Method:

Method of Solicitation: Formal ITB

If applicable, basis for exemption: n/a

Term of Agreement: Nov. 5, 2013-Dec. 31, 2014

Option to Renew? No

<b>Form of Contract:</b>	
<input type="checkbox"/>	Single Purchase
<input type="checkbox"/>	Services
<input type="checkbox"/>	Personal Services
<input checked="" type="checkbox"/>	Construction
<input type="checkbox"/>	IGA
<input type="checkbox"/>	Price Agreement
<input type="checkbox"/>	Other

Approval for purchases "as needed" for the life of the contract No

### Narrative:

The Board is being asked to approve a new contract with **Wildish Building Co. (Wildish)** for installation and removal of a bulkhead at the Leaburg Dam.

EWEB needs to install a bulkhead system to facilitate inspection, testing, and dry operation for the three roll gates at Leaburg Dam. In January 2012, the Roll Gate 2 hoist failed and the 180,000 lbs gate dropped 6 ft onto the dam. Damage to the gate and dam are unknown without inspecting the equipment. This contract will allow for the required inspection and will facilitate testing of the new hoist. In addition, FERC requires EWEB to inspect the roll gates at 10 year intervals; this inspection is due in 2014.

In September 2013, staff solicited bids for the bulkhead system installation and removal. Fourteen companies reviewed the solicitation; nine companies attended the mandatory pre-bid meeting. EWEB received three responses. Wildish's response was reviewed, evaluated, and Wildish was determined to be the lowest responsive and responsible bidder. If approved, Wildish will provide site preparation, bulkhead installation, dewatering, fall protection systems, bulkhead removal, and site control for Roll Gate 2 with the option to complete work for Roll Gates 1 and 3 as directed by EWEB.

Funds for the Roll Gate 2 bulkhead (\$230,000) are included in the budget for 2013. Bulkhead installation and removal for Roll Gates 1 and 3 (\$169,000) are contingent upon additional funding. The Contractor has agreed to complete work on Roll Gate 2, with the option to complete work for Roll Gates 1 and 3 as directed and funded by EWEB.

### ACTION REQUESTED:

Management requests Board approve a new contract with Wildish Building Co. for **installation and removal of a bulkhead at Leaburg Dam.**

**SIGNATURES:**

Project Coordinator: \_\_\_\_\_

LT Manager: \_\_\_\_\_

Purchasing Manager: \_\_\_\_\_

General Manager: \_\_\_\_\_

Board Approval Date: \_\_\_\_\_

Secretary/Assistant Secretary verification: \_\_\_\_\_



# MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

*Rely on us.*

TO: Commissioners Simpson, Brown, Helgeson, Manning and Mital  
FROM: Mel Damewood, Engineering Manager  
DATE: October 24, 2013  
SUBJECT: Request for Contract Approval  
Leaburg Dam Roll Gate Bulkhead Installation and Removal

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## Issue

As part of the Leaburg Dam Roll Gate 2 Hoist Replacement work, installation of a bulkhead is needed to permit roll gate inspection and testing of the new hoist system. The bulkhead will isolate the roll gates from Leaburg Lake, allowing for dry inspection and operation of the entire roll gate.

## Background

Flow control at the Leaburg Dam is provided by three 100-foot-wide by 16-foot-tall roll gates. In 2004, each roll gate was equipped with a hydraulic motor and chain drive system, which positioned the gate to maintain a predetermined water level in Leaburg Lake.

On January 19, 2012, the hydraulic motor for Roll Gate 2 failed, causing the gate to free fall into the fully closed position. On-site repair efforts proved unsuccessful. Consequently, the motor was removed, disassembled, and inspected. The inspection revealed that the motor had failed catastrophically—its 3,000-pound rotor had fractured into over 20 pieces. The reasons for the failure are not known.

Design of a replacement hoist is at the 90 percent completion stage. The new hoist will consist of an electric-motor-driven gear reducer set, similar to those used in large cranes. Staff expects that installation of the hoist will occur during the spring and summer of 2014.

Prior to advertising the hoist installation contract, Staff would like to inspect Roll Gate 2 to determine whether the gate sustained damage during the rapid closure experienced when the hydraulic motor failed. To facilitate this inspection, the gate must be isolated from Leaburg Lake with a bulkhead. The bulkhead installation project will provide the following additional benefits:

- The bulkhead will be left in place to permit testing of the new hoist system without adversely affecting lake levels and downstream river flows.

- The bulkhead will be relocated to Gates 1 and 3 to permit Federal Energy Regulatory Commission (FERC) mandated inspection and testing of these gates without affecting lake levels and river flows.

Work at Leaburg Dam is scheduled to proceed as follows:

- Install bulkhead for Gate 2
- Inspect Gate 2
- Install new hoist for Gate 2
- Test Gate 2
- Install bulkhead and test other two gates sequentially

**Bid Summary**

Oregon Bridge Engineering Company (OBEC) was retained to design the bulkhead and assess its impact on the load bearing capacity of Leaburg Dam Bridge. The construction contract was advertised on September 30 and bids were opened on October 23, 2013. Bids are summarized below. The apparent low responsive bidder is Wildish Building Company at \$399,000.

Bidder	Bid price, \$
Wildish Building Company	399,000
Knight Construction	667,484
Billeter Marine	495,196

The bid form required bidders to enter costs for multiple bid items, which allowed Staff to distinguish costs associated with Gate 2 work from those related to Gates 1 and 3. Wildish’s bid includes \$230,000 for Gate 2 work and \$169,000 for Gates 1 and 3.

**Recommendation/Requested Board Action**

Staff recommends Board approval of award of the Leaburg Dam Roll Gate Bulkhead Installation and Removal contract to Wildish Building Company. Given that the cost for the new Gate 2 hoist will be known prior to the start of bulkhead work on Gates 1 and 3, Staff further recommends that the Contractor’s notice to proceed on work for Gates 1 and 3 be delayed until early 2014. This approach will provide budgetary flexibility and aid in overall project cost control.

If there are any questions or if more information is needed, please contact Mark Zinniker, Generation Engineering Supervisor, at 541.685.7449 or at [Mark.Zinniker@eweb.org](mailto:Mark.Zinniker@eweb.org).