

Agenda Item: 8.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Candlewood Lake Dam Drawdown Repairs Project

DATE: June 27, 2014

Candlewood Dam was constructed in 1973 as an earthen flood control structure and to provide a lake for Lake Candlewood Area of Omaha, near 122nd and Charles Street (between Blondo and Dodge Street). The District assumed operation and maintenance of the Candlewood Dam, when the Candlewood SID was annexed by Omaha in 2002. In late 2012, District staff noticed that existing drawdown valve frame had eroded (chipped and as such the valve was leaking and allowing water to spray out past the alfalfa valve.

Attached are some plan sets and location map for the referenced project. The referenced project consists of, adding a 2 ft. wide by 3 ft. deep slide gate for a new principal spillway drawdown, installing a manhole unit over a leaking 10 inch drawdown valve and seal three principal spillway joints with expanding polymer materials.

The existing drawdown valve has been troublesome for several years and required several diving events to temporarily plug the drawdown pipe. The proposed project will replace the alfalfa valve with an easy to operate slide gate system for periodic lake lowering activity.

A bid summary is attached for your consideration. There were 2 bids submitted. The apparent low bidder is, Eriksen Construction.

The engineer's estimate of construction cost was \$48,200. A letter of recommendation from HDR Engineering is attached.

It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract for construction of the Candlewood Lake Dam Drawdown Repairs Project with Eriksen Construction for their total bid of \$52,300.

Summary of Bid Proposals

Project: Candlewood Lake Dam Drawdown Repairs Project

NRD Project No. 527B

Opening Date: June 26, 2014

Opening Time: 10:00 a.m.

1

2

3

4

Bidder Name:	Eriksen Construction	Thompson Construction, Inc.		ENGINEER'S ESTIMATE
A. Drawdown Repairs	\$46,800	\$88,400		\$40,700
B. Principal Spillway Joint Repairs	\$5,500	\$7,500		\$7,500
C. Grand Total	\$52,300	\$95,900		\$48,200

**Management Recommendation: Eriksen Construction



June 30, 2014

Mr. Martin Cleveland, PE, Construction Engineer
Papio-Missouri River Natural Resources District
8901 South 154th Street
Omaha, NE 68138-3621

RE: Candlewood Lake Dam Drawdown Repairs Project
Recommendation of Contractor Award

Dear Mr. Cleveland:

Bids were received for the construction of Candlewood Lake Dam Drawdown Repairs project on June 26, 2014. Per the attached bid tabulation, two (2) bidders submitted bids:

- | | |
|-----------------------------------|--|
| 1) Eriksen Construction Co., Inc. | \$52,300 (\$46,800 Base Bid; \$5,500 Alternate A) |
| 2) Thompson Construction, Inc | \$95,900 (\$88,400 Base Bid; \$7,500 Alternate A). |

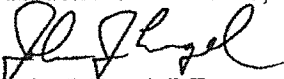
Both bids were above the Engineer's opinion of probable construction cost of \$48,200 (\$40,700 Base Bid; \$7,500 Alternate A).

Bids were evaluated based on the lowest and responsive bidder. The apparent low bid was submitted by Eriksen Construction Co., Inc. (Eriksen) in the amount of \$52,300. This bid is \$43,600 lower than the next lowest bidder and within 10% of the Engineer's estimate.

In accordance with the requirements in Specification Section 00301 Bid Form, all bidders were responsive. Eriksen provided the required bid security as well as the slide gate supplier and model number. Eriksen representatives also attended the non-mandatory pre-bid/site showing. Eriksen is a respected, regional construction firm with its headquarters in Blair. Eriksen has completed similar scope projects for numerous local entities such as MUD, City of Council Bluffs, City of Omaha, and City of Blair.

Based on the available information, we recommend a contract be awarded to Eriksen Construction Co., Inc. in the total of amount of \$52,300 for construction of the Candlewood Lake Dam Drawdown Repairs project. If you have any questions do not hesitate to contact me at (402) 926-7110.

Very truly yours,
HDR ENGINEERING, INC.


John J. Engel, P.E.
Project Manager

Enclosure

hdrinc.com

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**Management Recommendation: Eriksen Construction



Google earth

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Imagery Date: 3/7/2012 41°16'24.38" N 96°06'17.53" W elev 1050 ft eye alt 4042 ft

1993

Candlewood Lake Dam Drawdown Repairs Project

Principal Spillway Outlet

Dam Top

Charles St

Principal Spillway Inlet

Proposed Slide Gate
Location



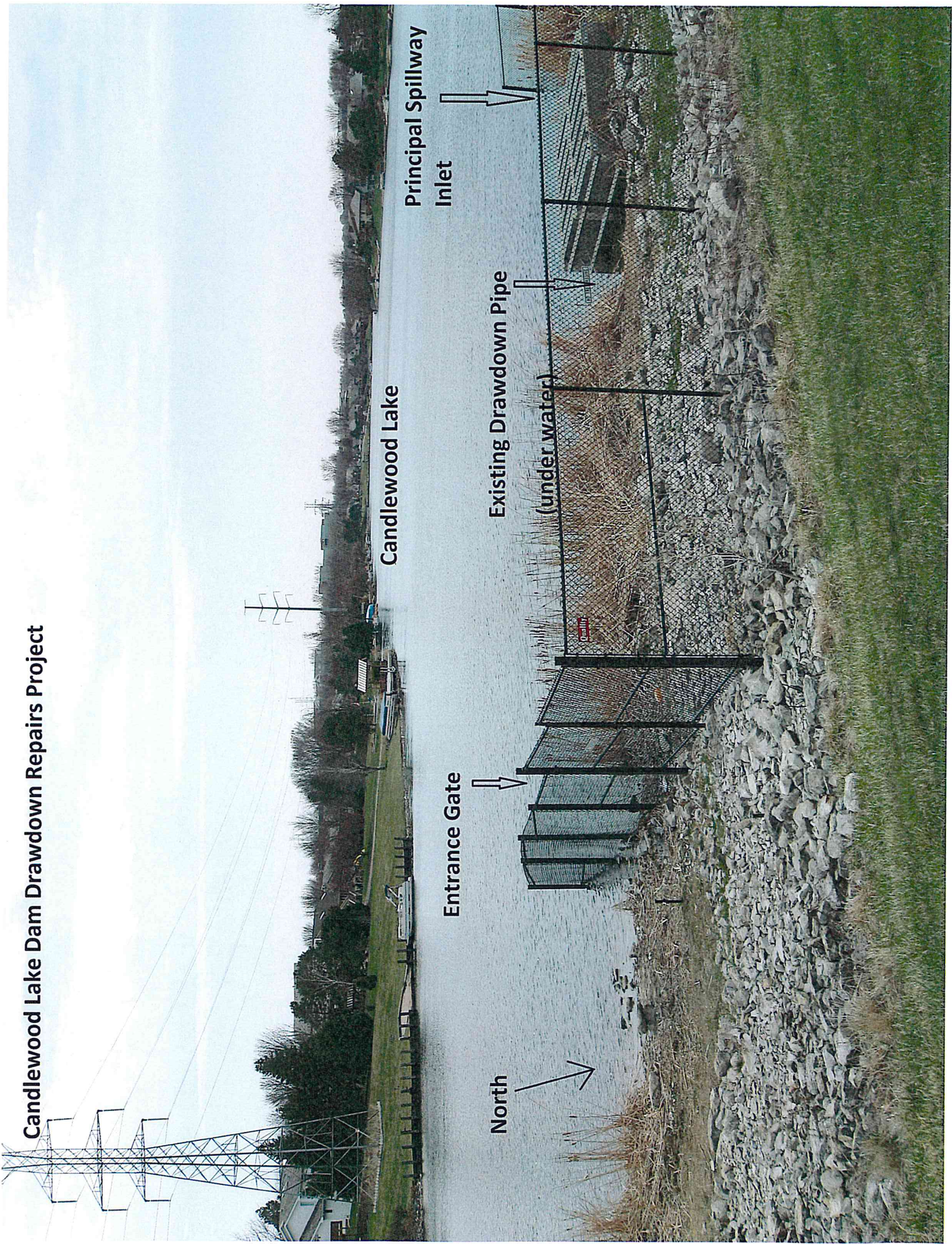
North

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Candlewood Lake

Google earth

Candlewood Lake Dam Drawdown Repairs Project



Candlewood Lake

Principal Spillway
Inlet

Existing Drawdown Pipe
(under water)

Entrance Gate

North