



# City of Grand Island

Tuesday, January 13, 2009

Council Session

## Item G15

**#2009-9 - Approving Bid Award for Storm Drainage Project No.  
2009-D-1; Cottonwood Lake Silt Structures**

Staff Contact: Steven P. Riehle, City Engineer/Public Works Direc

# Council Agenda Memo

**From:** Steven P. Riehle, Public Works Director

**Meeting:** January 13, 2009

**Subject:** Approving Bid Award for Storm Drainage Project No. 2009-D-1; Cottonwood Lake Silt Structures

**Item #'s:** G-15

**Presenter(s):** Steven P. Riehle, Public Works Director

## Background

Cottonwood Lake is a private lake located west of Harrison Street and south of LaMar Avenue. Cottonwood Lake has been referred to over the years as Joe's Lake or Brach's Lake. Sucks Lake is a public lake located east of Harrison Street and south of the Park Maintenance Building located at 1707 West Oklahoma Avenue. Both lakes are used as detention cells in the city's storm drainage system. Dredging projects for the lakes were reviewed at the August 20<sup>th</sup> City Council Study Session.

### Sucks Lake Dredging Project

A grant administered by the Nebraska Game and Parks funded part of the Sucks Lake project. Game & Parks staff required improvements to keep both silt and storm water contaminants out of the lakes. The project included modifications to the storm drainage system and the construction of a detention cell at the east end of the lake to reduce silt and keep storm water contaminants out of Sucks Lake.

### Cottonwood Lake Dredging Project

The discussion included the need for modifications to the storm drainage system to prevent future silting of the lake. The Cottonwood Lake project would be a joint project with the Cottonwood Lake Association and City sharing equally in the cost of the dredging project. The city would cover the cost to install controls in the storm drainage system to prevent future silting.

The city participated in the cost of the dredging project on Cottonwood Lake because the lake has been used as a part of the city's storm drainage system since the early 1970's. The use of the lake as a detention cell brought silt into the lake. The association participated in the cost because it is a private lake and some of the silt in the lake was from natural causes.

An agreement with the Cottonwood Lake Association was approved by the council at the August 27, 2002 meeting. At the council meeting the staff was directed to install something in the storm drainage system to keep silt out of the lake. A system for capturing silt would be a future city project.

## **Discussion**

### Cottonwood Lake – Storm Drainage Silt Project

The dredging projects were completed in 2003. The fiscal year 2004 budget included \$20,000 for the structures. A purchase order was prepared for a consultant to study the drainage system up and make a recommendation for a system to keep silt from the storm drainage system out of Cottonwood Lake. The study covered the drainage area between Webb Road and Harrison Street from Stolley Park Road north to 2<sup>nd</sup> Street. Systems to remove silt from the storm water can be expensive to build and hard to maintain. The size and price was also driven up because of the volume of water that might enter the lake during a storm event resulting in a preliminary estimate over \$100,000. The silt structures project was stalled because of the estimated cost and the purchase order to the consultant was cancelled in August of 2008.

The consultant recommended improvements to South Street from Henry Street to Ada Street to reduce silting. City crews regarded and paved the street with asphalt in 2005. Sunrise Express trucking company made improvements to their storm drainage runoff to reduce the silting. The changes allowed the silt project for the Cottonwood Lake to be downsized.

The Engineering Division of the Public Works Department designed a system to capture silt that is more economical to build and easier to maintain. The system consists of 3 manholes with grates and sumps. The design for the manholes will not restrict storm water flows, but will capture silt and trash before it enters Cottonwood Lake. They will require cleaning with a vac-all truck approximately once per month or after significant rainfall events.

Construction of the Cottonwood Lake Silt Structures will fulfill the city's portion of the agreement at a cost of \$25,637.32 and enable the city to collect the Cottonwood Lake Associations cost share for the dredging project of \$41,892.95.

On December 19, 2008 the Engineering Division of the Public Works Department advertised for bids for Cottonwood Lake silt structures.

Two (2) bids were received and opened on January 6, 2009. The Engineering Division of the Public Works Department and the Purchasing Division of the City Attorney's Office reviewed both bids that were received. A summary of the bids is shown below.

<b>Bidder</b>	<b>Exceptions</b>	<b>Total Bid</b>
The Diamond Engineering Company of Grand Island, NE	None	\$25,673.32
General Excavating of Lincoln, NE	None	\$50,588.49

The engineer's estimate for this project was \$28,869.00.

Funds are available in Account No. 10033506-85213.

### **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

### **Recommendation**

City Administration recommends that the Council approve the bid award to The Diamond Engineering Company of Grand Island, Nebraska in the amount of \$25,673.32.

### **Sample Motion**

Move to approve the bid award.



Wes Nespor, Purchasing Agent

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Better Tomorrow, Today*

**BID OPENING**

**BID OPENING DATE:** January 6, 2009 at 11:00 a.m.  
**FOR:** Storm Drainage Project No. 2009-D-1  
**DEPARTMENT:** Public Works  
**ESTIMATE:** \$28,869.00  
**FUND/ACCOUNT:** 10033506-85213  
**PUBLICATION DATE:** December 19, 2008  
**NO. POTENTIAL BIDDERS:** 8

**SUMMARY**

<b>Bidder:</b>	<b><u>The Diamond Engineering Co.</u></b> Grand Island, NE	<b><u>General Excavating</u></b> Lincoln, NE
<b>Bid Security:</b>	Universal Surety Company	Universal Surety Company
<b>Exceptions:</b>	None	None
<b>Total Bid:</b>	<b>\$25,673.32</b>	<b>\$50,588.49</b>

cc: Steve Riehle, Public Works Director  
Dale Shotkoski, City Attorney  
Jeff Pederson, City Administrator

Catrina DeLosh, PW Admin. Assist.  
Wes Nespor, Purchasing Agent  
Ron Underwood, PW Engineer

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RESOLUTION 2009-9

WHEREAS, the City of Grand Island invited sealed bids for Storm Drainage Project No. 2009-D-1, Cottonwood Lake Silt Structures, according to plans and specifications on file with the Public Works Department; and

WHEREAS, on January 6, 2009 bids were received, opened, and reviewed; and

WHEREAS, The Diamond Engineering Company of Grand Island, Nebraska submitted a bid in accordance with the terms of the advertisement of bids and plans and specifications and all other statutory requirements contained therein, such bid being in the amount of \$25,673.32; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of The Diamond Engineering Company of Grand Island, Nebraska in the amount of \$25,673.32 for Storm Drainage Project No. 2009-D-1 is hereby approved as the lowest responsible bid.

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Adopted by the City Council of the City of Grand Island, Nebraska, January 13, 2009.

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Margaret Hornady, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
January 9, 2009	☐ City Attorney