



City of Grand Island

Tuesday, July 22, 2014

Council Session - Corrected

Item G-12

#2014-198 - Approving Change Order #1 to Water System Master Plan with HDR of Omaha, Nebraska

Staff Contact: Tim Luchsinger, Utilities Director

Council Agenda Memo

From: Timothy G. Luchsinger, Utilities Director
Stacy Nonhof, Assistant City Attorney

Meeting: July 22, 2014

Subject: Water System Master Plan - Change Order #1

Item #'s: G-12

Presenter(s): Timothy G. Luchsinger, Utilities Director

Background

The City's water system consists of twenty-one (21) low pressure wells, located on a 1,200 acre island in the Platte River, which supplies water to an onsite collection and pumping station. This pumping station transfers water through two 30-inch transmission mains to three reservoir/pumping stations in the City. These high pressure pumping stations provide water as required for residential and industrial use and fire protection through a distribution grid, comprised of approximately 235 miles of cast and ductile iron mains. Five high pressure wells connected directly to the distribution system provide additional capacity.

System operation is monitored at the Burdick Station control room by use of a computer based SCADA system. The peak municipal system demand is approximately 26 million gallons per day (MGD). In 2012, a Uranium removal treatment plant was added at the Wellfield to remove uranium from three of the twenty-one wells. The last Water Master Plan was conducted in 2001 and recommendations have been completed to the system. Another study of the system is due to make improvements to meet City future demands and look at a replacement plan for aging infrastructure.

Discussion

On December 17, 2013, Council approved HDR of Omaha, Nebraska, to perform a Water Master Plan Study for the City of Grand Island Water System. A draft plan and hydrological model was developed and reviewed by Department management and engineering staff. During the review and recommendations from HDR, additional engineering was recommended to investigate the best locations for additional storage, and

the use of a second pressure zone. The additional fees to add this engineering analysis to the study are not to exceed \$13,470.00, for a total price of \$79,885.00.

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 presented in this motion

Recommendation

City Administration recommends that the Council approve Change Order #1 for the additional study to the Water System Master Plan to HDR of Omaha, Nebraska, with the amount not to exceed an additional \$13,470.00.

Sample Motion

Move to approve Change Order #1 from HDR of Omaha, Nebraska, for the Water System Master Plan additional study in an amount not to exceed \$13,470.00.

City of Grand Island
 Utilities Department
 General Work Contract - Change Order

July 15, 2014

Change Order #1

TO: HDR Engineering, Inc.
 J. Erin Hunt PE, Associate Vice President
 8404 Indian Hills Drive
 Omaha, NE 68114-4098

PROJECT: Grand Island Water System Master Plan

WWO24183

Contract: \$66,415.00

<u>Change</u>	<u>Description</u>	<u>Amount</u>
001	Additional engineering to investigate the best location storage	\$13,470.00
002	and use of a second pressure zone.	
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	TOTAL CHANGE ORDER	\$13,470.00

RESOLUTION 2014-198

WHEREAS, HDR, of Omaha, Nebraska was awarded the contract for the Water System Master Plan, at the December 17, 2013 City Council meeting; and

WHEREAS, a draft plan and hydrological model was developed and reviewed by City Engineering Staff, and during the review, additional engineering was recommended to investigate the best locations for additional storage, and the use of a second pressure zone; and

WHEREAS, these changes will allow for expansion of a growing water system, and favorable long-term benefits to Department operations; and

WHEREAS, Change Order #1 was prepared for a contract adjustment of an additional amount of \$13,470.00, resulting in a final contract amount of \$ 79,885.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with HDR, of Omaha, Nebraska, resulting in an additional cost of \$13,470.00, for a final contract price of \$79,885.00, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 22, 2014.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 21, 2014	☐ City Attorney