



City of Grand Island

Tuesday, April 28, 2009

Council Session

Item G9

**#2009-100 - Approving Amendment Number 2 to Agreement for
Waste Water Comprehensive Plan Update**

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: April 28, 2009

Subject: Approving Amendment Number 2 to Agreement for Waste Water Comprehensive Plan Update

Item #'s: G-9

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

Background

The Request for Proposals for Engineering Consulting Services for the Waste Water Collection and Treatment System Comprehensive Plan Update for the Grand Island Waste Water Treatment Plant was published on September 27, 2005. After review of submitted proposals, CH2M Hill, Inc. of Englewood, Co was selected. The contract, for an amount not to exceed \$346,200, was approved by City Council on October 11, 2005 and notice to proceed was given on October 26, 2005.

A comprehensive plan is required by the Nebraska Department of Environmental Quality (NDEQ) regulations. Title 123 of the NDEQ regulations contains the following: "No person shall construct to a sanitary sewer system if the receiving WWTF (waste water treatment facility) is not capable of meeting requirements imposed by a permit issued under title 119, rules and regulations pertaining to the Issuance of permits Under the National Pollution Discharge Elimination System. The regulations further state that "A facility plan or engineering reports shall contain the detailed planning information that is necessary to evaluate the engineer's recommendation."

The Engineering Report or Comprehensive Facility Plan: identifies and evaluates wastewater related problems; assembles basic information; presents criteria and assumptions; examines alternate projects, with preliminary layouts and cost estimates; describes financing methods, sets forth anticipated charges for users; reviews organizational and staffing requirements; offers a conclusion with a proposed project for client consideration; and outlines official actions and procedures to implement the project. The planning document must include sufficient detail to demonstrate that the proposed project meets applicable criteria.

The Report will include the following:

Engineering Reports

- Flow & Organic Loading
- Impact on Existing Wastewater Facilities
- Engineering Criteria
- Site Information
- Alternative Selection
- Environmental Review

Comprehensive Facility Plans

- Problem Evaluation and Existing Facility Review
- Planning and Service Area
- Hydraulic Capacity
- Flow Definitions and Identification
- Hydraulic Capacity for Existing Collection Systems

Organic Capacity

- Organic Load Identification
- Design of Organic Capacity to Serve Existing Collection Systems
- Organic Capacity to Serve New Collection Systems

Wastewater Treatment Facility Design Capacity

- Unit Sizing
- Flow Diagram
- Emergency Operation
- Sludge
- Treatment During Construction
- Operation and Maintenance
- Cost Estimates
- Final Project Selection

The last comprehensive study for the City of Grand Island was completed in 1995. According to Charles Duerschner (Technical Assistance Unit Supervisor, Nebraska Department of Environmental Quality) with all the projects that need to be done at our facility it would cost much less to do a comprehensive study of needs at our facility, than to do an engineering study for each study as required by regulations.

Discussion

Work on the Comprehensive Plan was halted in the spring of 2008 because the plan would be significantly impacted by changes being made at the JBS Packing Plant. JBS was planning to expand its industrial waste water treatment capacity with the construction of a new 25 million gallon anaerobic pre-treatment lagoon. The new lagoon came on line in July of 2008. The old 9 million gallon lagoon came back on line after cleaning in February 2009. We continue to gather performance data from the JBS pre-treatment system and now analyze that testing data to predict future loadings from JBS and would recommend proceeding to completion of the wastewater comprehensive plan.

To re-start the Comprehensive Plan, it will be necessary to extend the project schedule, allow for equity adjustments for staff work on the plan, including ramp up time for staff.

The increased effort to wrap up the Comprehensive Plan has been rolled into Amendment #2 to the agreement with work to be performed at actual costs with a maximum amount of \$35,038.00. The amendment will make for a new revised agreement total of \$381,238.00.

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

Recommendation

Public Works Administration recommends that the Council approve the resolution authorizing the Mayor to execute the Amendment.

Sample Motion

Move to approve Amendment Number 2 with CH2M Hill, Inc. of Englewood, Colorado under the Standard Agreement for Professional Services dated October 18, 2005.



CH2M HILL
222 South 15th Street
Suite 1402-S
Omaha, NE 68102
Tel 402.342.9765 x37111
Fax 402.342.1313

March 9, 2009

Steve Riehle
Public Works Director
City of Grand Island
100 East First Street
Grand Island, NE 68802

Subject: City of Grand Island, NE Wastewater Collection and Treatment Systems
Comprehensive Plan Update

Dear Steve:

Attached is Amendment No. 2 to the City of Grand Island, NE Wastewater Collection and Treatment Systems Comprehensive Plan Update. The purpose of this amendment is to formally request schedule modifications and the associated fee adjustments as provided for in Article 6.6 of the original contract. These modifications are due to the delays in receipt of data requested from the City and policy decisions essential to completing the project. The required information includes future flow and loading projections for JBS and the City's desired reserve capacity for industrial growth. This data was originally requested on January 29, 2008.

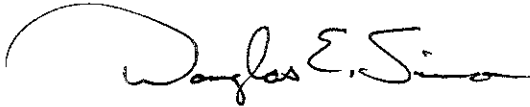
As previously identified, the future JBS flow and loading as well as the industrial reserve assumptions have the potential to significantly impact the magnitude and timing of capital improvement plan (CIP) projects, which is a major outcome for the project. Due to the potential impact of the JBS loadings, it is imperative to use the most accurate projections as possible. It is strongly encouraged that discussions be held with JBS prior to proceeding (especially in light of their recently issued draft Nebraska Pretreatment Program National Pollution Discharge Elimination System permit), as obtaining the most accurate projections would likely prevent future rework on the subject project as well as provide opportunities to reduce CIP improvement requirements. It is understood that should discussions with JBS, during proposed negotiations of a new agreement between the City and JBS, result in flow and/or loading assumptions different than those provided by March 10, 2009, additional budget and schedule modifications may be required to complete this study.

Mr. Steve Riehle
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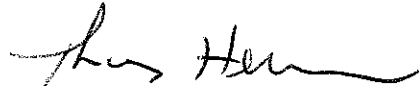
Amendment No. 2 includes requested compensation for extended project management/schedule, equity adjustments of staff involved with the project, and ramp-up time for exiting and new staff. It is assumed that the project will be completed no later than August 14, 2009 based on the assumptions included within Amendment No. 2.

Your prompt action on Amendment No. 2 is necessary in order to expedite project delivery and is greatly appreciated. Should you have any questions or require additional information, please do not hesitate to contact me by phone at 402.342.9765 x37111 or by email at dsimon@ch2m.com.

Sincerely,
CH2M HILL, INC.



Douglas E. Simon, P.E.
Senior Project Manager



Thomas Heinemann
Vice President

Attachments: Attachment 1
Amendment No. 2

c: File

**AMENDMENT NO. 2 to STANDARD AGREEMENT FOR
PROFESSIONAL SERVICES DATED 18 OCTOBER 2005**

CH2M HILL's Office Address: 9193 S. Jamaica St., Englewood, CO 80112

Project Name: Wastewater Collection and Treatment System – Comprehensive Plan Update CH2M HILL Project No.: 335802

Client: City of Grand Island, NE

Address: 100 East First Street, Box 1968, Grand Island, NE 68802-1968

CLIENT requests and authorizes CH2M HILL to perform the following services:

Scope:

AMENDMENT NO. 2 will hereby modify the original Standard Agreement for Professional Services dated 18 October 2005 as amended through AMENDMENT NO. 1 dated 11 September 2007. AMENDMENT NO. 2 represents budget and schedule modifications as a result of delays in receipt of assumptions and direction required to be provided by the City to the Engineer in order for the Engineer to execute remaining tasks contained within the AMENDMENT NO 1 scope of services. A summary of the requested budget modifications is provided as Attachment 1 to this AMENDMENT NO. 2 for the extended project management, labor rate adjustments of staff involved, and the ramp-up time required to reengage staff to complete the remaining tasks.

Compensation by CLIENT to CH2M HILL will be on the basis of:

Per conditions of the original contract dated 18 October 2005.

Original Contract value:	\$346,200
Amendment No. 1:	No cost change – Incorporated Scope and Schedule Modifications
Amendment No. 2:	\$35,038
Total Revised Contract Amount:	\$381,238

Other Terms:

The project schedule shall be extended to August 14, 2009. The schedule assumes that Amendment No. 2 will be approved by City Council at the regularly scheduled March 24, 2009 City Council meeting and that the final JBS wastewater flow and loading assumptions will be provided no later than March 24, 2009. It is understood that requests for additional modification of JBS flow and loading assumptions following the March 24, 2009 date may result in additional schedule and/or budget modifications to be executed through a formal contract amendment.

Services covered by this AMENDMENT NO. 2 will be performed in accordance with the Provisions of the original Standard Agreement for Professional Services dated 18 October 2005 and any attachments or schedules. This AMENDMENT NO. 2 shall supplement the prior AMENDMENT NO. 1 and understandings and may only be changed by written amendment executed by both parties.

CLIENT:
Signature _____
Name (printed) _____
Title _____
Date _____

CH2M HILL, INC.:
Signature Tom Heinen
Name (printed) Tom Heinen
Title Designated Manager
Date 5/8/09

Attachment No. 1

Wastewater Collection and Treatment Systems Comprehensive Plan Update - Amendment No. 2
 City of Grand Island, Nebraska

Task Description	Total Labor & Expenses (\$)
LABOR RATE ADJUSTMENTS	
Project Execution & Definition Workshops	\$77
Liquids & Solids Projection	\$454
Regulatory Review	\$439
Exist Facil review	\$1,907
Process & Hydraulic Model Hydraulic Pro2D	\$0 \$462 \$765
Alternatives Analysis & Evaluation General Workshops Analysis	\$71 \$713 \$1,187
Condition Assessment Evaluation Tech Memo	\$234
Reporting and CIP CIP City Council Presentation	\$1,071 \$1,033
ADDITIONAL EFFORT AS RESULT OF DELAY	
PM for Treatment Additional Project Management Ramp-Up Time	\$14,758 \$11,868
TOTAL \$35,038	

RESOLUTION 2009-100

WHEREAS, on October 11, 2005, by Resolution No. 2005-293, the City Council of the City of Grand Island approved an agreement with CH2M Hill, Inc. of Englewood, Colorado, in the amount of \$346,200, to perform engineering services for the Waste Water Collection and Treatment System Comprehensive Plan Update; and

WHEREAS, on September 11, 2007 City Council approved Amendment No. 1 with CH2M Hill, Inc. which modified the scope of the original contract without the appropriation of additional funds; and

WHEREAS, city staff has negotiated Amendment No. 2 with CH2M Hill, Inc. which will account for schedule modifications and the associated fee adjustments, at an additional cost not to exceed \$35,038.00, for a revised agreement price of \$381,238.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the 2nd amendment to the agreement with CH2M Hill, Inc. of Englewood, Colorado is hereby approved.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute the amendment to the agreement for such service on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, April 28, 2009.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form _____
April 23, 2009 City Attorney