

Agenda Item: 8.

MEMORANDUM

TO: Programs, Projects, and Operations Subcommittee

FROM: Paul Woodward, Groundwater Management Engineer

SUBJECT: Integrated Management Plan: Amendment to Olsson Associates Contract

DATE: April 1, 2015

In November 2011, the District's Board of Directors voted to develop a voluntary Integrated Management Plan (V-IMP) for the portion of the District within the Lower Platte River Basin. A V-IMP is a proactive approach to the management of water resources through cooperative planning with the Nebraska Department of Natural Resources (Department) that recognizes the interconnectedness of both surface water and groundwater.

In September of 2012, the District retained Olsson Associates (Olsson) to develop and help adopt the V-IMP. This objective was completed upon the formal adoption of the voluntary IMP by the Board in July 2014 and subsequent approval of the IMP by the Department on August 1, 2014. Olsson's original contract included a not to exceed fee of \$249,430.00. Upon the last invoice, the District had paid Olsson for \$192,423.30, leaving \$57,006.70 of remaining budget.

Much of the remaining budget is due to the fact that some tasks included in the original scope of work were deemed unnecessary during the V-IMP development, including Tasks 4.3 and 4.4. These tasks pertained to completing groundwater models of potential control measures and the preliminary evaluation of control measures in accordance with the Department's annual evaluation of hydraulically connected water supplies. Neither of these were needed as the V-IMP called only for management-based control measures (limits on the amount of new irrigated groundwater or surface water acres).

Since the adoption of the V-IMP, the District is currently responsible for the implementation of the control measures and action items included in the plan during 2015. Getting started on several of the action items would benefit from the assistance of a consultant. These action items include:

- A thorough evaluation of the existing 1994 Groundwater Management Plan
- Development of a data collection database and online reporting forms for outreach to appropriate stakeholders
- Assistance with water conservation education information.

Adding these Tasks, shown as 4.5, 4.6, and 4.7, in the enclosed revised scope and deleting Tasks 4.3 and 4.4 will allow the District to effectively utilize remaining budget and complete action items required as part of our new V-IMP.

Management recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute the proposed amendment to the Voluntary Integrated Management Plan contract with Olsson Associates for no additional increase in the maximum not to exceed contract amount of \$249,300.00, subject to changes deemed necessary by the General Manager and approved as to form by District Legal Counsel.



February 24, 2015

Paul Woodward
Groundwater Management Engineer
Papio-Missouri River Natural Resources District
8901 S. 154th Street
Omaha, NE 68138-3621

Subject: Revision to Project Scope Item 4 for Contract Dated December 10, 2012
"Development of a Voluntary Integrated Management Plan"

Dear Mr. Woodward,

Attached please find the suggested scope change to contract entitled "Development of a Voluntary Integrated Management Plan" signed December 10, 2012. The revision to scope includes clarification that items 4.1 and 4.2 were completed, 4.3 and 4.4 were eliminated and 4.5, 4.6 and 4.7 were added. The timeframe for completion of these new tasks is as follows:

Task 4.5 by June 1, 2015
Task 4.6 by May 1, 2015
Task 4.7 by June 1, 2015

If you have any questions or would like additional clarification on the revisions to scope, please give me a call at 402-458-5033.

Sincerely,

A handwritten signature in blue ink that reads "Karen Griffin".

Karen Griffin, PG
Project Manager

Attachments: Revision to Exhibit "A" (Page 1 of 1)

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REVISION TO EXHIBIT A – Contract to Support Development of a Voluntary Integrated Management Plan

Task 4. Action Items

4.1 Survey of Water Issues w/potential Stakeholders (COMPLETED)

- ENGINEER shall meet with and conduct a short survey of potential Stakeholders and/or Stakeholder alternates to discuss their top water issues/concerns and involvement in the SAC.

4.2 Water Balance Study (COMPLETED)

- ENGINEER shall prepare a Water Balance Study for the IMP area. (DELIVERABLE)

4.3 GW Model Evaluation of Control Measures

- ~~ENGINEER shall coordinate with NDNR, the US Geologic Survey, Lower Platte North NRD, The US Army Corps of Engineers, the Metropolitan Utilities District and/or the University of Nebraska Lincoln to use existing groundwater models to evaluate effects of control measures proposed during the IMP development process.~~
- ~~ENGINEER shall provide recommendations on the effectiveness of the proposed control measures on meeting the goals and objectives of the IMP. (DELIVERABLE)~~

4.4 Review/Develop Control Measures Appropriate to NDNR Annual Review

- ~~ENGINEER shall review and/or develop control measures that are pertinent to the fully appropriated methodology utilized by NDNR in its “Annual Evaluation of Hydrologically Connected Water Supplies”.~~

4.5 Data Collection, Analysis and Reporting

- ENGINEER shall evaluate the current water management datasets from the P-MRNRD and NDNR (INSIGHT) and either maintain or make recommendations on how to develop (as appropriate):
 - A water inventory database
 - An online form for reporting annual and projected water use
 - Protocols for estimating unmeasured water uses.
- ENGINEER shall present options for water supply and use monitoring and reporting, identify options for consumptive use estimations, and identify data gaps in monitoring networks.
- ENGINEER shall prepare a memo on progress made toward achieving IMP action items for annual reporting. (DELIVERABLE)

4.6 Water Use Policies and Practices

- ENGINEER shall evaluate water management policies and practices by reviewing and evaluating the current Groundwater Management Plan for the P-MRNRD. A summary report of required revisions to the plan shall be developed including well permitting requirements and NRD specific water banking options. (DELIVERABLE)
- ENGINEER shall evaluate funding options for IMP implementation. (DELIVERABLE)

4.7 Education, Coordination and Conservation

- ENGINEER shall prepare information to be presented at a stakeholder meeting/workshop on water conservation Best Management Practices for Agricultural Crop Water Management.
- ENGINEER shall prepare information to be presented at a stakeholder meeting/workshop on water conservation Best Management Practices and/or Cost Share Incentive Programs that encourage indoor and outdoor water conservation in urban settings.
- ENGINEER shall prepare information to be presented at a stakeholder meeting/workshop on long-term urban and industrial planning that encourage water conservation.

This is **EXHIBIT K**, consisting of 1 page, referred to in and part of the **Agreement between Owner and Engineer** dated December 12, 2012

Amendment to Agreement between Owner and Engineer for Study and Report Professional Services.

1. Background Data:

- a. Effective Date of Agreement : December 12, 2012
- b. Owner: Papio-Missouri River Natural Resources District
- c. Engineer: Olsson Associates
- d. Program: Development of a Voluntary Integrated Management Plan (IMP) for the Lower Platte River Basin in coordination with the Nebraska Department of Natural Resources ("NDNR"). The IMP will be developed for all of the Papio-Missouri River Natural Resources District area within the watersheds of the Elkhorn and the Platte Rivers and all of the groundwater within the Papio NRD considered to be hydrologically connected to those rivers ("Assignment").

2. Nature of Amendment [Check those that are applicable and delete those that are inapplicable.]

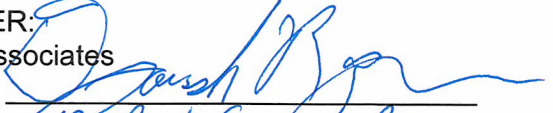
- Additional Services to be performed by Program Manager
- Modifications to Services of Program Manager
- Modifications to Responsibilities of Owner
- Modifications to Payment to Program Manager
- Modifications to Time(s) for rendering Services
- Modifications to other terms and conditions of the Agreement

3. Description of Modifications

The revision to scope includes clarification that items 4.1 and 4.2 were completed, 4.3 and 4.4 were eliminated and 4.5, 4.6 and 4.7 were added.

Owner and Program Manager hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is April 7, 2015.

OWNER:
Papio-Missouri River Natural Resources District
By: _____
Title: _____
Date Signed: _____

ENGINEER:
Olsson Associates
By: 
Title: VP-Rail Services Program
Date Signed: 4/31/15