

SUBJECT: Contract Amendment for Gilfilian Engineering, Inc., In The Amount of \$63,500 for Water Source Exploration and Master Plan Engineering and Construction Services.

REQUESTED BY: Public Works

PREPARED BY: Public Works

DATE: February 16, 2001

FOR AGENDA OF: February 26, 2001

SUMMARY: Gilfilian Engineering, Inc. in conjunction with Montgomery Watson are under contract for engineering services to update the City's 1977 Water System Master Plan and for engineering services for the City's Water Source Exploration Program. The water source exploration engineering included construction costs to drill wells and connect one of the exploratory wells to the City's distribution system.

The approved contract amount for the engineering and construction work is \$249,500. The Water System Master Plan engineering portion of the contract is in the amount of \$99,500, with two additional purchase orders at \$75,000 each for engineering services and construction of exploratory wells. A \$63,500 contract amendment is needed to completed these projects.

DISCUSSION: The City's February 1, 2000, Request For Proposal (RFP) for WATER SOURCE EXPLORATION & MASTER PLAN outlined the following five (5) tasks expected for satisfactory completion of the projects:

- Task 1-Document Existing Water System
- Task 2-Emergency Water Source Determination
- Task 3-Preliminary Facilities Master Plan
- Task 4-Evaluate and Explore New Water Sources
- Task 5-Final Water Master Plan

Completing Tasks 3 and 4 revealed engineering and construction efforts beyond the original scope outlined in the City's RFP, as follows:

Task-3:

At the City's request, Gilfilian Engineering provided assistance in the preparation of ADEC SFY 2001 Municipal Grant Questionnaire for Wasilla Water Projects. This work involved researching options and preparing technical memorandums for specific capital improvement projects, and attending meetings with ADEC. \$4,500

Presented to council on 2/26/01
 Action taken: Approved Denied
 other: _____
 Verified by [Signature]

The study area was revised during the project to reflect the potential growth rate that might occur in 15 years. This resulted in additional modeling and mapping to show potential affects on the water system. \$16,500

The planning period was revised to include a priority 2001 to 2004 period in addition to the long-term 8 and 15 year planning periods. This additional planning period was needed to help support pending and future grant requests and required additional modeling. \$18,300

Task-4:

M-W Drilling performed additional drilling and well development services during the construction of the Iditapark exploratory well. Drilling extended to a depth 400 feet below the ground surface. In addition, two aquifers were developed, screened, and tested for quality and quantity. \$14,500

At the City's request, Gilfillian Engineering conducted engineering design and services during construction to connect the Iditapark exploratory well to the City's distribution system. This well provides an immediate 200-gallon per minute backup water supply for the Spruce Avenue well. \$9,700

Original Contract Amount	\$ 249,500.00
Change Order No. 1	\$ 63,500.00
New Contract Amount	\$ 313,000.00

FISCAL IMPACT: No Yes, amount requested: \$ 63,500.00
Fund: 32-55-691-865-30

RECOMMENDED ACTION: Council is requested to authorize the amendment of the Water Source Exploration & Master Plan Contract in the Amount of \$63,500 for the completion of these projects.



Reviewed by: SARAH PALIN, Mayor