

PUBLIC WORKS & UTILITIES COMMITTEE

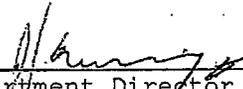
14-0044R

RESOLUTION AMENDING CONTRACT 21698 WITH MSA PROFESSIONAL SERVICES, INC. FOR CONSTRUCTION AND INSPECTION FOR FLOOD 2012 VARIOUS LOCATIONS TO INCREASE THE AMOUNT BY \$31,052 FOR A NEW TOTAL OF \$281,052.

CITY PROPOSAL:

RESOLVED, that Contract 21698 with MSA Professional Services, Inc. for construction administration and inspection for Flood 2012 Various Locations be amended to increase the amount by \$31,052 for a new total of \$281,052. This increase is due to increased damage at flood sites identified after the 2012 flood, and is payable from Disaster Recovery Fund 225, Department/Agency 125 (Finance), Organization 1803 (Roads and Bridges), Object 5303 (Engineering Services), city project 1144/1167.

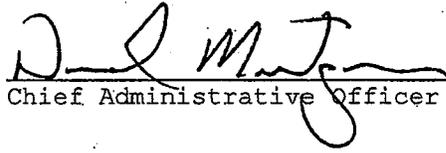
Approved:



Department Director

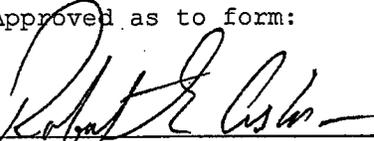
Purchasing Agent DLS

Approved for presentation to council:



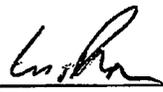
Chief Administrative Officer

Approved as to form:



Attorney

Approved:



Auditor

ENG GS:jh 1/7/2014

STATEMENT OF PURPOSE: This resolution will authorize an amendment to Contract 21698 for professional engineering services for Lift Station No. 39 Improvements. See MSA Professional Services letter of December 3, 2013. Payable from Disaster Recovery Fund 225, Department/Agency 125 (Finance), Organization 1803 (Roads and Bridges), Object 5303 (Engineering Services), city project no. 1144/1167.



December 3, 2013

Mark Guisfredi, P.E.
City of Duluth Engineering
411 West 1st Street, #211
Duluth, MN 55802

Re: Lift Station No. 39 Improvements
City Project No. 1167
Flood Site No. 429
Engineering Services Amendment

Dear Mark:

As the major construction of the Lift Station 39 Improvements is completed, it is clear the design and construction efforts for the LS-39 improvements exceeded our initial expectations. As discussed previously during the course of the project, the design of the Lift Station No. 39 improvements had experienced an expanded scope and elongated design and schedule.

The original project was to replace the control panel following the June 2012 flood. The project experienced lower than expected support from FEMA and required an alternate funding source. The project scope changed from a simple repair project to a complete facility improvement. We respectfully request a formal amendment of \$31,052.00 to cover the additional design services performed in January 2013, and the additional construction services performed this fall. The following paragraphs and attached table provides a summary of the additional services performed and expected.

1. The additional site work related design (\$8,096.00). Additional site work related items include modifications to the access driveway, grading, and a new retaining wall. The CAD and specification items associated with the additional site work tasks are included.
2. The additional process mechanical design (\$7,056.00). A new valve vault, pump replacement, and wet well upgrades were added to the design tasks. The CAD and specification items associated with the additional process mechanical tasks are included.
3. The changes to the electrical service location (\$2,120.00). The electrical service location which feeds the pump station was changed during the design. The CAD and specification items associated with the electrical service location change are included.

Offices in Illinois, Iowa, Minnesota, and Wisconsin

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WEB ADDRESS: www.msa-ps.com | P: 610s 616 08616069 Contract Task Order 11 - Zoo Lift Station 00616069 ITR Guisfredi Contract Amendment Request Dec 3 2013.docx

Mark Guisfredi, P.E.
December 3, 2013

4. Additional construction observation and administration (\$13,780.00). The additional equipment and materials added during the design increased the time needed for shop drawing review, construction observation, record drawings, and O&M information. The original scope included only 80 hours of construction observation, mainly for control panel and electrical component installation, and the expanded construction effort required more time on-site to coordinate with other projects at the Zoo, and additional coordination of the SCADA services.

During the construction, the ability of the new control panel to communicate via radio with the City's SCADA system was re-checked as the new radio tower on Park Point was active. The radio communications from the Zoo Lift Station site had not improved to allow for this control panel to be converted. The control panel for this lift station communicates with the City's SCADA system using a cellular phone communications device.

The access to the lift station site was also adjusted during the construction to minimize pavement replacement, and to allow for other construction projects and deliveries to proceed with minimal impact to the Zoo operations.

We appreciate the opportunity to work with the City on this project, and will continue to proceed with assembling the project closeout materials.

Sincerely,

MSA Professional Services, Inc.



John Trynoski, P.E.
Project Manager

JMT: