

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	August 20, 2018
	Agenda Item No.	33A
	Roll Call No.	<u>18-1419</u>
	Communication No.	<u>18-436</u>
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director

AGENDA HEADING:

Approve procurement of de-icing chemicals for the 2018-2019 snow and ice control season.

SYNOPSIS:

The Department of Public Works has joined with six (6) other public agencies in a combined bid for deicing chemicals for the 2018-2019 snow and ice control season. In 2018, 18 bid packages were mailed, and the City received five (5). Smith Fertilizer and Grain (Max Smith, President, 1650 Quebec Street, Knoxville, IA 50138) was the low bidder for full tank delivery of Calcium Chloride, at a cost of \$0.80 per gallon and for a full tank delivery of Geomelt, at a cost of \$1.40 per gallon. Staff recommends approval to purchase up to 50,000 gallons of Calcium Chloride and 70,000 gallons of Geomelt over the course of the winter months for a total of \$138,000.

FISCAL IMPACT:

Amount: \$138,000

Funding Source: Fiscal Year (FY) 2018-2019 Public Works Operating Budget, PW240402, Street Maintenance Fund, page 232

ADDITIONAL INFORMATION:

- Geomelt is a sugar beet-based agricultural product that is mixed with salt brine for anti-icing operations. Pure liquid salt brine can be used for anti-icing operations until the temperature reaches 20 degrees Fahrenheit. With the addition of Geomelt, the blended product can be applied for anti-icing until the pavement temperature reaches five (5) degrees Fahrenheit.
- Calcium Chloride is delivered pre-mixed and used as a stand-alone product for pre-wetting the salt before it is applied to the street. This allows the product to stay in place on the pavement with less bouncing and scattering off the street surface.
- The Department of Public Works uses these chemicals during snow and ice control operations as anti-icing and de-icing agents for the safety of the motorists.

PREVIOUS COUNCIL ACTION(S):

Date: June 27, 2016

Roll Call Number: [16-1066](#)

Action: Bids from the following:

- (B) [Jerico](#) Services (John Marshall, General Manager) for calcium chloride and Smith Fertilizer and Grain (Max Smith, President) for Geomelt for joint purchase along with the cities of West Des Moines, Waukee, Johnston and Windsor Heights, as well as Dallas County to provide deicing chemicals to be used by the Public Works Department, \$121,600. (Seventeen potential bidders, six received). ([Council Communication No. 16-332](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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