

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: July 10, 2017
	Agenda Item No. 32D Roll Call No. <u>17-1175</u> Communication No. <u>17-524</u> Submitted by: Jonathan A. Gano, P.E., Public Works Director

AGENDA HEADING:

Approve procurement of de-icing chemicals for the 2017-2018 snow and ice control season.

SYNOPSIS:

The Department of Public Works, along with the City of West Des Moines, Waukee, Johnston, Dallas County and Windsor Heights joined in a combined bid for deicing chemicals for the 2017-2018 snow and ice control season. In 2017, 18 bid packages were mailed, and the group received five (5). Jerico Services (John Marshall, General Manager, 1506 N. 14th Street, Indianola, Iowa 50215) was the low bidder for calcium chloride, at a cost of \$0.78 per gallon delivered. Staff recommends approval to purchase up to 50,000 gallons over the course of the winter months as needed, at \$0.78 per gallon delivered, for a total of \$39,000.

Smith Fertilizer and Grain (Max Smith, President, 1650 Quebec Street, Knoxville, IA 50138) was the low bidder for Geomelt, at a cost of \$1.40 per gallon delivered. Staff recommends approval to purchase up to 70,000 gallons of Geomelt over the course of the winter months as necessary at \$1.40 per gallon delivered for a total of \$98,000.

FISCAL IMPACT:

Amount: \$137,000

Funding Source: Fiscal Year (FY) 2017-2018 Public Works Operating Budget, PW240402, Street Maintenance Fund, page 230.

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 pavement 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 used as a stand-alone product for anti-icing operations. Calcium chloride is applied directly to the rock salt to begin dissolving the rock salt allowing the salt to more effectively melt the ice and snow residual on the pavement.

- 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 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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