


## COUNCIL COMMUNICATION

	Number:	<b>20-373</b>	Meeting:	<b>August 17, 2020</b>
	Agenda Item:	<b>44A</b>	Roll Call:	<b>20-1348</b>
	Submitted by:	<b>Jonathan A. Gano, P.E., Public Works Director</b>		

### AGENDA HEADING:

Bituminous Material and Supply, LP (Dan Quigley, Plant Manager) as sole area-wide for a blanket purchase order for additional CSS-1HM polymer-modified microsurfacing material for use by the Public Works Department, \$204,000..

### SYNOPSIS:

The Department of Public Works began using polymer-modified microsurfacing in calendar year 2020. This process requires CSS-1HM, only available in Iowa from Bituminous Materials and Supply, L.P. The material cost is \$2.35 per gallon plus \$0.20 per gallon for freight. In FY2021, the program requires an additional 80,000 gallons for a total of \$204,000.

### FISCAL IMPACT:

Amount: \$204,000

Funding Source: 2020-2021 Operating Budget, Public Works Department, Street Maintenance S360, PW240402, page 234

### ADDITIONAL INFORMATION:

- In calendar year 2019 the microsurface machine was new and the crew was only able to place 35,000 square yards of material. In 2020, the crew planned for 70,000 square yards; however, the crew has been able to place 70,000 square yards in the months of June and July 2020.
- The need exists for additional microsurfacing materials. The crew will require an additional 80,000 gallons of CSS-1HM to continue with the additional 180,000 square yards of microsurface placement.
- Microsurfacing is a preventative maintenance treatment used to extend the service life of a street 7-10 years. It is used to fill ruts and low to moderate distress and narrow cracks on a roadway. This product differs from a slurry seal cost due to a latex ploymer added to the emulsion allowing a faster drying time for the product. This product can be reapplied to a street every 7-10 years. Once placed, microsurfacing needs one (1) to two (2) hours to set or harden before the road is open for traffic making it an excellent option for residential streets.

- This is a sole-source purchase only available in Iowa from Bituminous Materials Supply, L.P. The emulsion has a shelf-life preventing shipping from other states. In the future this material will be included in the annual bid for emulsified asphalt products.

**PREVIOUS COUNCIL ACTION(S):**

Date: June 22, 2020

Roll Call Number: [20-1057](#)

Action: Purchases from the following:

- (F) [Bituminous](#) Materials and Supply, LP (Dan Quigley, Plant Manager) as sole area-wide distributor until equipment warranty expires, for blanket purchase order for CSS-1HM polymer-modified microsurfacing material to be used during fiscal year 2021 by the Public Works Department, estimated annual cost \$60,652.50. ([Council Communication No. 20-265](#)) Moved by Gatto to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

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