

RESOLUTION

ROCK COUNTY BOARD OF SUPERVISORS

Public Works Committee
INITIATED BY



9/15/2022
DATE DRAFTED

Authorizing Purchase of Henderson Brine Advantage, Brine Maker and Henderson Truck Fill Pro

WHEREAS, the Rock County Department of Public Works currently purchases brine for winter road maintenance from Jefferson County; and,

WHEREAS, the State of Wisconsin will reimburse the purchase of a brine making system under a discretionary maintenance agreement (DMA); and,

WHEREAS, a quote was solicited through Sourcewell purchasing cooperative using Henderson Snow Products contract number #080818-HPI; and,

WHEREAS, Casper Truck Equipment, Appleton, WI is authorized to sell Henderson Snow Products under Sourcewell Contract #080818-HPI, and will be the providing dealer; and,

WHEREAS, this option will allow Rock County to have brine readily available for winter road maintenance.

NOW, THEREFORE, BE IT RESOLVED, by the Rock County Board duly assembled this 13th day of October, 2022 authorize the purchase of a Henderson Brine Advantage, Brine Maker and Henderson Truck Fill Pro at a cost of \$102,629.00, to be reimbursed by State of Wisconsin DMA funding.

FISCAL NOTE:

The cost of the equipment will be reimbursed by the State. No County funds are required.

Sherry Oja
Finance Director

LEGAL NOTE:

The County Board is authorized to take this action pursuant to §§ 59.01 and 59.51, Wis. Stats. In addition, § 59.52(29), Wis. Stats., requires the project to be let to the lowest responsible bidder.

Richard Greenlee
Corporation Counsel

ADMINISTRATIVE NOTE:

Recommended.

Josh Smith
County Administrator

Committee Action

PUBLIC WORKS COMMITTEE:

The Public Works Committee recommended this resolution for approval by a unanimous voice vote.

-EXECUTIVE SUMMARY-

**AUTHORIZING PURCHASE OF HENDERSON BRINE ADVANTAGE,
BRINE MAKER AND HENDERSON TRUCK FILL PRO**

In recent years, the State of Wisconsin Department of Transportation has been researching, evaluating and increasing the use of salt brine in various capacities throughout the state. Many counties have been using salt brine for pre-event applications, pre-wetting salt during application and, more recently, as a direct application during events.

Rock County has been using salt brine for approximately 20 years primarily for pre-event and pre-wetting applications. The brine has been used in a limited capacity to address certain challenging locations ahead of a winter event and to pre-wet salt as it is spread during certain winter events.

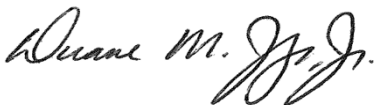
In the last few years, DPW has expanded its use of and storage capacity for salt brine. There is currently over 100,000 gallons of storage capacity at DPW facilities.

Salt brine is a mixture of salt and water (approximately 23% salt solution). Its use is increasing across the state, it is cost effective and has proven to dramatically help in addressing roadway conditions during and after winter events. Additionally, it allows for less use of rock salt during these events, which is beneficial for environmental reason.

DPW currently purchases and hauls salt brine from Jefferson County. The purchase price is \$0.18 per gallon. We are able to haul 2-3 tanker loads per day, at approximately 5,0000 gallons per load and an hourly equipment rate of \$74.08. For the 2021-022 winter, we purchased approximately 325,000 gallons of brine. The overall cost to acquire and haul this quantity of brine was approximately \$90,000.

Therefore, it is recommended to approve purchase of the brine maker and request reimbursement from the WI DOT for the cost of acquiring and installing the brine maker.

Respectfully submitted,



Duane M. Jorgenson Jr., P.E.
Director of Public Works