

Roxsand

August 25, 2023



Myr & Roy's
Paving, Inc.



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The dredge and de-watering wheel project is underway

By: Colin Taylor / Mine Project Engineer



Recently, I made a transition from the Mountain Division to the Midwest. This brought a change in scenery, but not a change in the work ethic of the crews I've had the privilege of working with.

The Brookings crew has been working hard on the upgrades to the field that will gain the needed tonnage to accomplish their goals. These upgrades include the installation of a new dredge and de-watering wheel. The addition of the de-watering wheel will be a new experience for all. The function of this equipment will rapidly decrease the amount of de-watering time that the pit runs slurry from the dredge and will be more cost-efficient. This process will be achieved by

turning the 32'-wheel at a blazing 0.3 to 1.5 RPM, depending on the load the bucket is sensing. By slowly turning, it allows time for the captured material in the buckets to de-water through the screens found on the bottom of the buckets. This process will supply a drier material delivered to the plant for washing.

Along the way, there were numerous roadblocks, shipping delays, and part supply issues that come with the worn-out phrase of the “new normal”. As the old Marine saying goes, “improvise, adapt, and overcome”. Seeing this firsthand with the Brookings crew, their attention to detail, and “putting their name” on the work has been awesome to see. Also, to recognize the foresight of future issues that can be resolved now rather than waiting until later. Having the thought process of not falling into the comfortable saying of “it's good enough” and having to pay for it later.

We are beginning to see the final pieces of the puzzle get completed. The plan is to have the dredge and waterwheel test fired and ready for the 2024 production season.

Pictured in the following are procedures successfully completed by the crew to get this project underway.



The crane is swinging in the 1st half of the waterwheel, pictured is Bryce Brenden monitoring for precise placement.



Jordan Eidsness is unhooking the top portion of the waterwheel from the crane hoist.



Ben Gadberry and Jaxton Schiller are busy working on the installation of the waterwheel.



The crew is standing next to one of the pontoons for the new dredge.

Brookings crew pictured from the left are Tyler Tebben, Gage Anderson, Cody Currier, Bryce Brenden, Jordan Eidness, Evan Schade. Nicole Mahlen is on the far right, she is employed with Weathergard Crane Services.

Thanks for all the amazing team work!

Happy Birthday!

August 26

Tewodros Bekele
Dell Rapids East

Todd Brannan
Myrl & Roy's Paving

William Dreyer
Myrl & Roy's Paving

August 27

Timothy Martin
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Terry Schildhauer
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August 28

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