

Salt/Sand Spreader Lifting Jig

For more information:

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What was the challenge you set out to solve?

Linn County's mechanics were looking for a safe and effective solution for removing salt/sand spreaders (sanders) from the back of dump trucks when they were brought to the shop for repair. To work on the sanders, they first had to be removed from the bed of the dump trucks. Sanders are equipped with four "lift eyes" near the corners where chains can be attached to lift the sander from the back of the dump trucks.

How did you develop and implement your solution?

One of Linn County's mechanics came up with the idea to build a lifting device that could be attached to the sander from the outside of the truck, eliminating the need for an employee to physically climb over the truck bed and into the sander to attach lift chains.

What did it take to make this solution a reality?

One of Linn County's mechanics designed and fabricated the sander lifting jig using materials we had on hand in the weld shop. He measured and cut the steel pieces needed, drilled holes into the steel for bolt and lift eye placement, and welded the pieces of metal together to create the lift jig.

What was the cost of implementation?

The total cost of this project was a few hours of labor and less than \$300 in materials.

What was the impact and results of your efforts?

For less than \$300 and a few hours of labor, Linn County has a safe, efficient and quick way to prep the sander for removal from the dump truck that also helps prevent injury. The jig is made from steel, so we expect it will provide many years of service.

