



Skid Loader Attachment Flatbed for Hook Truck

Project Number 2014-04

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Problem The City of Golden Valley Street Maintenance Division is involved in a wide variety of projects, ranging from house demolition to road repair to concrete sidewalk panel and curb replacement. The variety of tasks changes daily, and efficiently transitioning between different assignments is important for overall productivity.

A skid steer with the ability to use a wide range of attachments is an essential asset for the city. While the skid steer can operate multiple attachments, it is only able to transport or operate one attachment at a time. The majority of projects require multiple attachments, and transporting them to the project site has been a logistical challenge. Past practices have included staff loading the necessary attachments one at a time, securing them for transport, driving the skid to the job site, and unloading the attachments. This process may have been repeated several times a day.

Solution The city purchased and fabricated a flatbed hook body that utilizes the SwapLoader system to transport the skid steer and all of the attachments at one time. Each attachment has its own designated spot and is already secured and ready for transport.

Procedure The city purchased a flatbed hook body and fabricated brackets and tie-downs for each specific attachment. The hook truck had a hitch installed that can trailer the skid steer along with the attachments to the job site all at once.

Results Using the SwapLoader system enables the division to switch between a dump body, debris box, and the attachment flatbed, which saves mobilization time and allows the truck to have several uses. Trailering the skid steer with all the required attachments to the project site reduces equipment wear and tear and increases productivity.

Approximate Cost \$4,100

OPERA Funding \$1,000

Implementation When the skid steer and attachments are required for a project, city staff connect the flatbed hook body—with the attachments already secured—to a single-axle dump truck using the SwapLoader system. Staff then hook up the trailer to the truck, load the skid steer, and drive to the project location. The skid steer can then use the necessary attachments directly from the flatbed hook body.

Status Complete

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