



Hook-Lifts

SCOTT BOYER,

GENERAL SERVICES MANAGER

MoDOT Hook-Lift Applications

- *Dump Beds and Dumpsters

- *Flat Beds

- *Spreaders

- *Spray Units

- *Asphalt Hot Box (Patcher)

- *Specialty Platforms

(Sign, Aerial Bucket, Booms, Augers, etc..)

Notes

- Rear Axle Weights – Single Axles are 23,500 pounds and Tandem Axles are 40,000 pounds
- Use the Ampliroll Model AL-120-14 with a 54 inch hook lift height on the Single Axles
- Use the Ampliroll Model 150 with lifting capacity of 40,000 pounds with a 62 inch hook lift height on Tandem Axles.

Attachment being Mounted



Lift Hook



Boom Truck





Spreaders





Dump Bed



Asphalt Patcher



Sign Bed with Bucket





Mud Pump Material Body





8636



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Water Tank w/Pump



Summary

Pros

- Eliminates specialized trucks with low utilization
- Multiple Attachment Options
- Removes Seasonal equipment
- Provides more trucks for winter operations
- Can utilize existing specialized mounted equipment

Challenges

- Establishing End-User Buy In
- Weight Distribution
- Initial Cost
- Multiple Crews Utilize – Difficult to establish ownership for maintaining equipment