

Motor Grader Roller

For more information:

Agency: Clayton County
Secondary Roads

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What was the challenge you set out to solve?

Washboards on our gravel road hills are a constant, reoccurring battle.

How did you develop and implement your solution?

Motor Grader Operators and Management both thought there needed to be a more efficient way to "tie down" the loose, freshly bladed rock that speeds up the process of washboard creation on hills. Traditionally many grader operators would "wheel pack" the hills by driving up and down many times after being bladed. Solution: Perhaps we could blade and "wheel pack" at the same time, in one pass.

What did it take to make this solution a reality?

- Approximately 55 Hours of Labor (Welding/Fabricating/Finishing)
- Tube Steel, Round Stock, 24" x 8' x half inch thick Wall Pipe
- 3" Solid Stock
- 3" Pillow Block Bearings

What was the cost of implementation?

Approximately \$5000

What was the impact and results of your efforts?

Less overall time spent grading and packing a single portion of road AND provides a longer lasting "finished product" which allows our equipment and manpower to go much further than we could before.

Video Links:

<https://www.facebook.com/claytoncountyiowaroaddepartment/videos/454432088637167/>

<https://www.facebook.com/claytoncountyiowaroaddepartment/videos/2439214769635738/>

