How to reclaim gravel shoulders

...in a way that lets you do it at a reasonable cost

A ta National Association of Counties' convention 3 years ago, Jackson County's road commissioners saw the All-American Disk, a new shoulder reclaimer manufactured by Doyle, Inc. They were so impressed they purchased three of the units. What impressed them so much?

According to Bob Zenz, one of Jackson County's commissioners, not only could the disk reclaim gravel, it also made an easier job of restoring shoulder width and drainage. "The disk knocks down the berm," Zenz says, "and puts

the gravel back in reach." With the shoulder reclaimer, road maintenance crews can economically salvage the displaced gravel and swiftly rebuild shoulders — important capabilities for Jackson County, which, like most counties, has many gravel shoulders suffering from displaced gravel.

The problems

Road maintenance often creates a dam — like a ridge of gravel at the outer edge of the shoulder that hampers drainage. Vegetation further compounds drainage problems. On asphalt roads, displaced gravel leaves a canal between the pavement and shoulder, creating not only a drainage problem, but also a pavement drop-off — a serious hazard for motorists.

To correct these problems, the road must be graded several times in order to break-up clumps of sod and reshape the shoulder. This procedure is time-consuming and wasteful, requiring numerous yards of new aggregate to replace the gravel lost during routine maintenance. The costs, in terms of time and materials, quickly add up.



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A low-cost answer The shoulder reclaimer's a ity to recycle gravel helps down those costs. The 6-ft. dresembling a harrow, is tached behind a tractor. disk is angled, so the tractor remain partially on the roway. As the disk grinds the and weeds, it throws the claimed gravel and fines a ple of feet back up the slop the shoulder, eliminating or ridges as ruts are backfil Anywhere from 50 to 100 of gravel can be reclaimed mile.

The Minnesota Departn of Transportation tested disk in one of its districts, the results were impressive one particular operation, shoulder reclaimer sa MnDOT over \$2,400/mi. c pared with the previmethod, while accomplish the same result. In another section, the disk reclaimed lane mi. of shoulders in day, an operation that priously took 3 days.

Doyle, Inc. recommends claiming shoulders in the fa spring. The ground is mois gravel shoulders on asp roads can be compacted perly, and the dry, rotten veg tion can easily be tilled. added benefit of the mulcl action of the disk is that veg tion is discouraged from ging back, reducing the neemowing or for using herbic—alleviating the public's cerns about damage to the eronment.

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