

2011-12 District Winner

Innovations Challenge Showcase
<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

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Prepared by Customer Relations
Missouri Department of Transportation

Tooth Changer



Description

District staff modified a hydraulic bit to fit the teeth on a pavement grinder.

Benefit

This tool virtually eliminates the need for a hand-held hammer by using an air impact gun. The first tool pushes the old tooth out and the second tool fits over the new tooth and pushes it in. When removing teeth, some of them are bound up by dirt and it can take up to 10 minutes to remove them with a hammer and chisel. With this tool, the tooth comes loose after just a few impacts. With the tooth installer, you can install a tooth about as fast as you can pick the next one out of the bucket.

Parts and Labor

Total: \$0 - scrap material

Labor: 15 minutes

For More Information

Contact Matt Findley at (816) 809-5278. Additional photos can be seen by accessing the Innovations Challenge homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>.

