

## 2012-13 District Winner

Tool and Equipment Challenge  
<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

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Prepared by Customer Relations  
Missouri Department of Transportation

## Concrete Slab Puller



### Description

This innovation attaches to an excavator and its auxiliary hydraulics. It uses hydraulic driven pins to lock into the concrete slabs being replaced. It is designed to pull and carry up to a 6' x 12' slab and is rated for 10,200 lbs.

### Benefit

The Concrete Slab Puller eliminates the need for multiple saw cuts to be made to get slabs free for replacement. It also keeps employees clear of the pulled slab and out of the truck bed. Only one employee is needed to guide the slab with a rope or tag line.

### Parts and Labor

1 – 24' x 2- <sup>3</sup> / <sub>4</sub> " steel pipe	1 – 40" x 10" x 1/2" steel plate
1 – 12' 4" x 2- <sup>1</sup> / <sub>8</sub> " steel bar	1 – 10,000 lb. swivel
1 – 21' 4" x 2" x 1/4" square tubing	2 – Hydraulic cylinders
1 – 27" x 5" x 1" steel plate	12 feet – Hydraulic hose
1 – 46" x 23" x 1/2" steel plate	1 – 2- <sup>3</sup> / <sub>4</sub> " Rock drill bit clevis
1 – 8" x 8" x 1/2" steel plate	

**Total: \$1,500 - \$2,000**

**Labor: 40 hours**

### For More Information

Contact Robert Merritt at (573) 885-3823. Additional photos can be seen by accessing the Innovations Showcase homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>.

