

T & E First-Round Winner
Innovations Challenge

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Prepared by Transportation Planning
Missouri Department of Transportation

Portable Adjustable Bridge Tower



Description

The Portable Adjustable Bridge Tower eliminates the need to build custom deck supports for each bridge deck repair job. The towers have multiple positions to work on a variety of bridge deck elevations and can be transported easily from one jobsite to the next.

Benefit

Without these adjustable towers, employees spent hours erecting and dismantling custom supports for each bridge deck repair job. This keeps employees safer and gets the job done faster.

Materials and Labor

2 - 12" x 12" Steel Plates
2 - 60" long 3" Steel Tubes with 3/8" walls
2 - 80" long 4" Steel Tubes with 3/8" walls
8 - 16" x 2" Steel Bars
8 - 4" x 2" Steel Bars
Materials: \$650
Labor: 40 hours

For More Information Contact:

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Additional photos can be seen by accessing the Innovations Challenge SharePoint page at:
<http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>.

