

Bridge Patching Bracket



Description

This device is used to secure a piece of plywood on the bottom of a full-depth repair hole in a bridge deck. After jack hammering the hole, a rope is used to lower a piece of plywood over the side of the bridge and 1-¹/₈-inch hole is drilled into the plywood. The toggle end of the device is inserted through the hole and the angle is hooked on the exposed rebar. The nut is then tightened into position with an electric impact drill.

Benefit

Workers save time by not having to weave wire through the hole to secure the board. The device also secures the board tighter without risk of breaking. The result is a patch that is flush with the bottom of the deck.

Parts and Labor

- 1 - ³/₈" x 10" all-threads rod
- 1 - ³/₈" toggle
- 1 - ³/₈" nut
- 1 - 2" x 2" x ¹/₈" angle

Total: \$3

Labor: 2 hours

For More Information

Contact Jeff Schmitt at (573) 751-7734. Additional photos can be seen by accessing the Innovations Challenge homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>.

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