



Productivity First-Round Winner
Innovations Challenge

April 2017

Prepared by Transportation Planning
Missouri Department of Transportation

Accessible Flip Sign System



Description

There are low water crossings that frequently reach a point during a rain event that the road needs to be closed. At several of these locations, flip signs (or hinged signs) have been installed to increase the speed of closing a road when needed. The bottom of the flip sign is permanently installed at least five feet above the road surface and is padlocked to keep non-authorized individuals from changing the sign. The accessible flip sign system allows the sign to be lowered from the ground to a level that an employee can change to the appropriate sign. The system was installed in November of 2015 and has been used every time the locations have been closed due to water over the road.

Benefit

Prior to this innovation, an employee would either have to climb a ladder or use a bolt through the post to try and climb up the sign to unlock the padlock. The system reduces the chance of slips or falls and saves time by not dragging a ladder across a ditch.

Materials and Labor

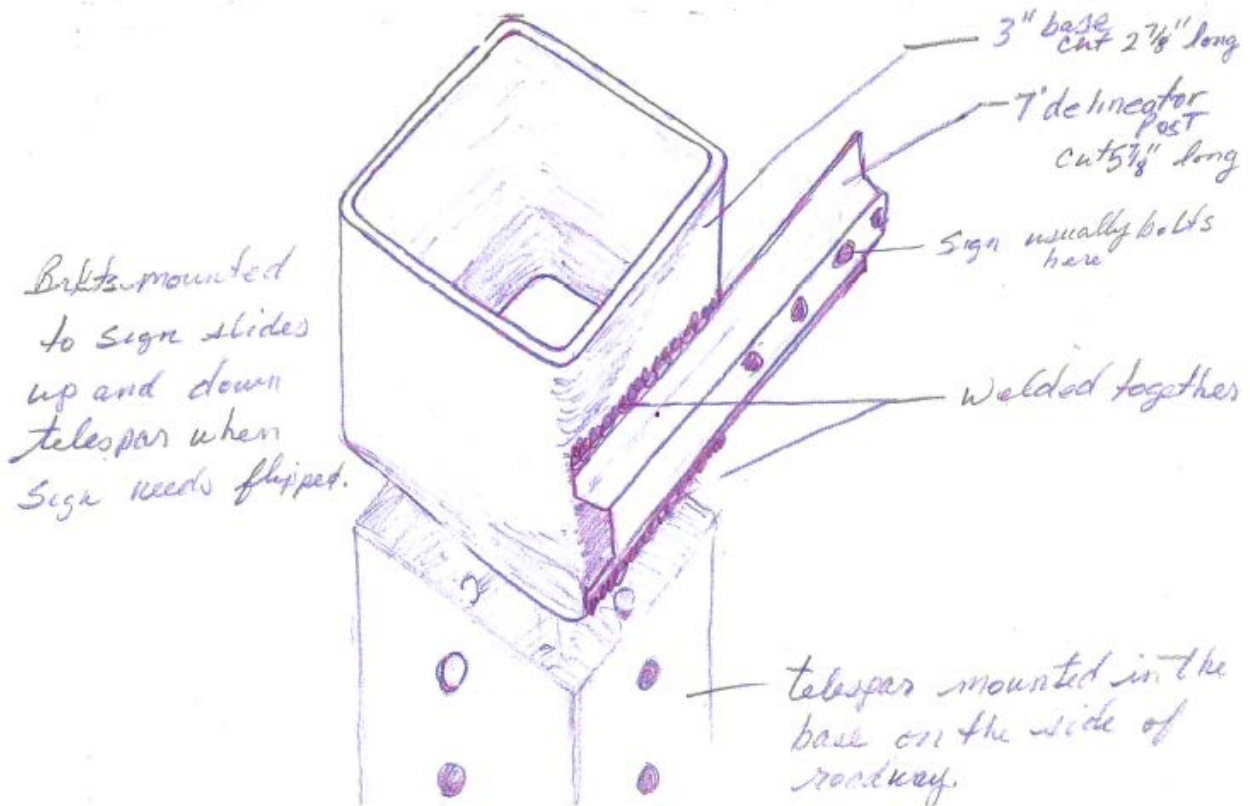
One hour of staff time with \$11 in materials. Diagram and materials on back page.

For More Information Contact:

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

Accessible Flip Sign System Diagram & Materials



\$3.56 per brkt / \$10.67 per sign

- Make 3 brkts per sign.
- Slide telescop thru brkts and bolt brkts to sign.
- Put telescop in base and raise sign to proper height.
- Lower when sign need flipped.