Productivity First-Round Winner

Innovations Challenge

April 2018

Prepared by Transportation Planning Missouri Department of Transportation

Gas-Powered Post Driver



Description

The Gas Powered Post Driver is designed to fit on top of the post and vibrate the post down. It is capable of driving small and medium size "c" channel posts and "T" posts. To operate, start the driver as you would a leaf blower, then place it on top of the post and squeeze the trigger. When the post is at the desired depth, stop the driver. This gas-powered driver is approximately 35 lbs. which is not much more weight than a traditional post driver with a weight range 17 to 30 lbs.

Benefit

The Gas-Powered Post Driver greatly improves safety. Using heavy post drivers and non-motorized drivers increased chances of back, shoulder and muscle strain injuries, as well as bodily injury due to contact with the sledge hammer. Since August of 2017, there have been no injuries reported in the buildings where the driver has been implemented. The Gas-Powered Post Driver also saves time since the rapid hammer action of the driver is faster than hand driving.

Materials and Labor

The cost of the Gas Powered Post Driver is \$2,313.

For More Information Contact:

Gary Sanders at Gary.Sanders@modot.mo.gov or (417) 451-7007. Additional contact: Denise Eagles at Denise.Eagles@modot.mo.gov

Modot

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