

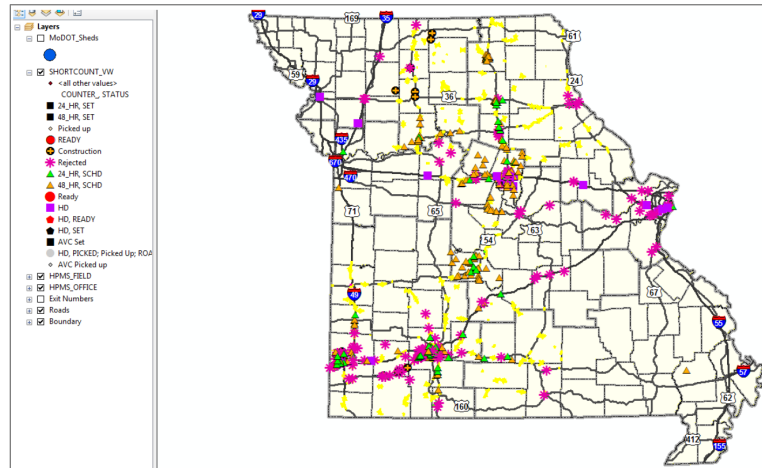


## Productivity

April 2020

Prepared by Transportation Planning  
Missouri Department of Transportation

## Vertical Clearance Nightly Updates Video



### Description

The Nightly Updates is a script of python code that runs every night to update the vertical clearances, bridges, traffic counts and Highway Performance Management System (HPMS) data. The data that the code updates is used to keep TMS Viewer updated for field work and offline use. It is important to keep this data updated for the field workers because they are usually unable to access the network. The code also sends an email to specific employees to let them know the updates were successful or unsuccessful. If unsuccessful, it sends the employees an email with the errors associated with the failure. Having the error is very helpful in finding out why the script is not updating the specific layers.

### Benefit

This process saves time because the script runs every night in two minutes. To do this manually, it would take more time and could not be done off hours unless someone was available. Having this data updated saves time and simplifies the work for the field crew to see up-to-date traffic count information so they know where they need to setup their next counts. The script also simplifies the work of the field workers because it allows them to have the most up-to-date data without having access to the network. Finally, and most importantly, this process keeps vertical clearance and bridge data up-to-date for routing purposes. This allows oversized and overweight trucks to be routed safely throughout the state.

### Materials and Labor

There were no cost and total amount of labor hours was 40 hours.

### For More Information Contact

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Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: <http://sp/sites/tp/planpol/SitePages/InnovationHome.aspx>