

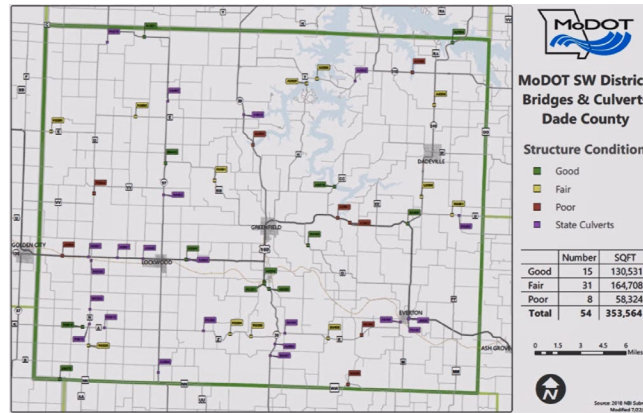


Projects

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Prepared by Transportation Planning
Missouri Department of Transportation

Bridge Data Quick Reference [Video](#)



Description

Missouri has been losing ground on keeping bridges in good condition. As MoDOT works on meeting the Asset Management Program goals, MoDOT seeks input from regional planning partners about which bridges in their area are most important to them. In order to get this input, each of the planning partners were asked to prioritize the poor condition bridges in their area. A problem arose when thinking about how the list of bridges should be shared in a format that was accessible to the local officials the planning partners. The Bridge Data Quick Reference has two main components: an excel spreadsheet and a collection of accompanying maps. The spreadsheet consists of the most recent National Bridge Inventory data paired with the current STIP information, which can be filtered by several categories in a user-friendly interface through a series of drop-down lists and complex formulas. The data can be filtered by Urban/Rural, RPC/MPO, County, Bridge/Culvert, Condition, Decade Built, Major Bridge, Major/Minor Route, and Year Programmed in STIP. In addition to the filtered data, there is also a small summary table that shows the number and square footage of bridges in each condition (good/fair/poor).

Benefit

The current methods for accessing detailed bridge data requires knowledge of TMS/Microsoft Access/GIS. This innovation brings relevant bridge information in from those sources and makes it accessible to anyone who can use Excel. Now that bridge information is in an easily-accessible and user-friendly spreadsheet (with maps linked directly in the spreadsheet), finding information about bridges is easier and faster. This benefits both the district staff and planning partners who use it.

Materials and Labor

There are no material costs but included about 32 hours of labor.

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>