Investigators:
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Funding Source:
Missouri Department of Transportation and Mid-America Transportation Center, Nebraska

Project Description:
The concept proposes adding four dedicated truck lanes to the existing infrastructure, two in each direction. These lanes present the opportunity to pilot size and weight increases on a facility dedicated to trucks. The dedicated truck lanes are seen as a way to reduce congestion, improve safety, and offset the maintenance costs of general purpose lanes.

The volume of freight movement along I-70 states is growing. Current truck volumes are such that truck traffic is 21.5 percent in urban areas and 28 percent in the rural sections. The proposed corridor and changes in size and weight have the potential to attract freight movement from other parallel routes (Interstate 80 and Interstate 40), as well as other major north/south interstates.

The project evaluated the slip ramp spacing for truck only lanes using a microscopic simulation model.

Publications: