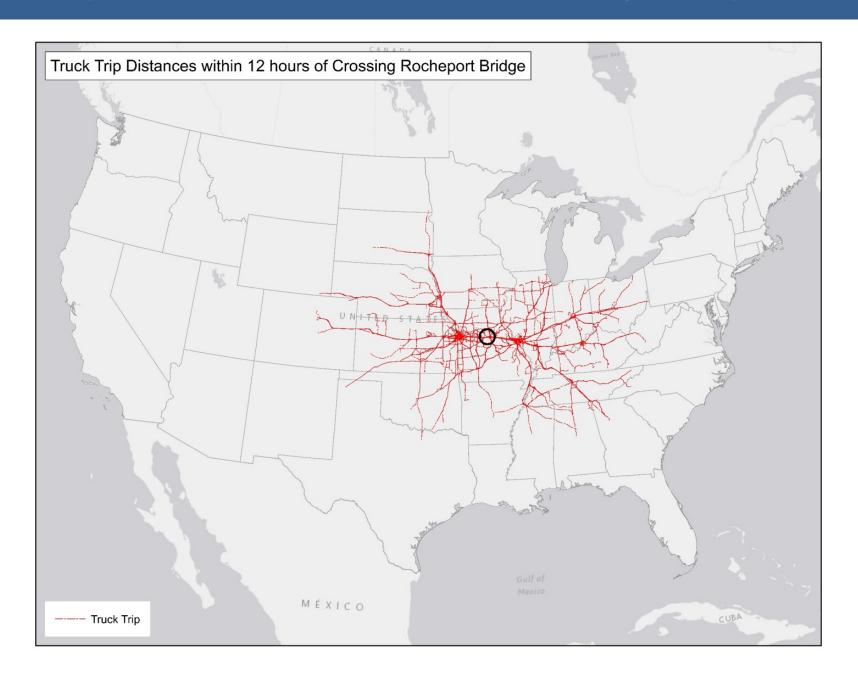
251 MISSOURI BRIDGES PROJECT Modernizing Missouri's Rural Global Supply Chain Infrastructure

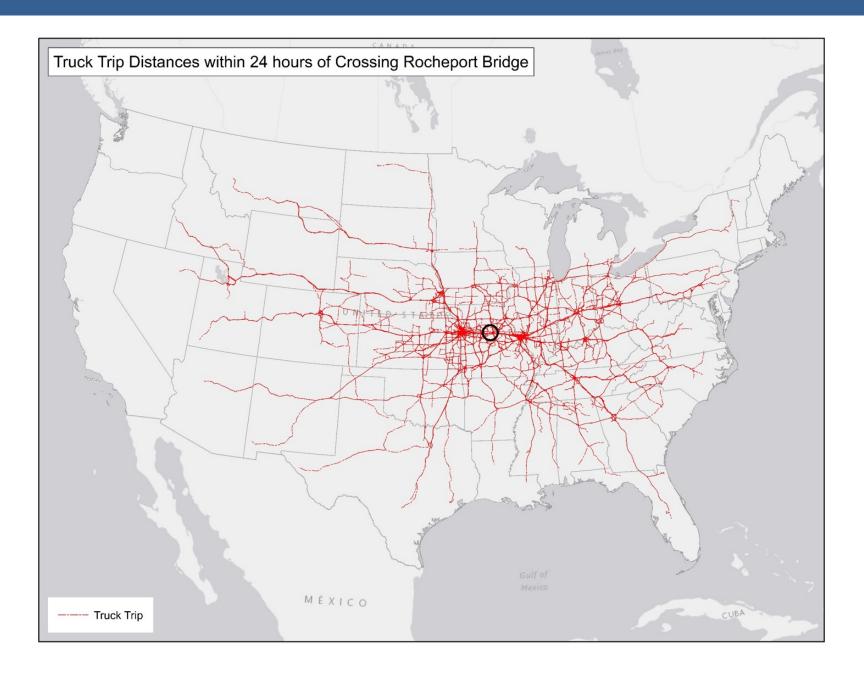
Appendix D:

Maps, Design Plans, and Photos

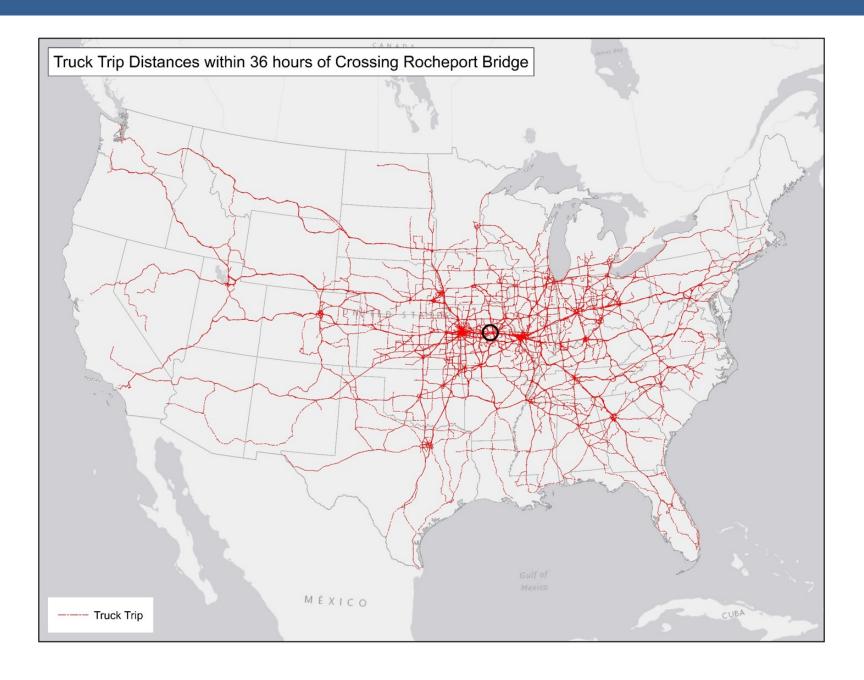
Truck Trip Distances within 12 hours of Crossing Rocheport Bridge



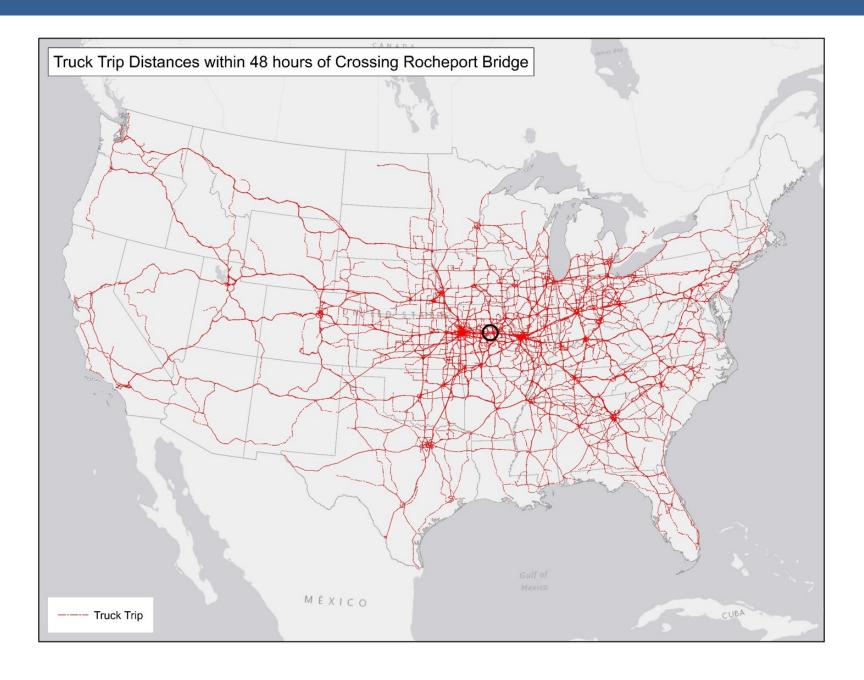
Truck Trip Distances within 24 hours of Crossing Rocheport Bridge



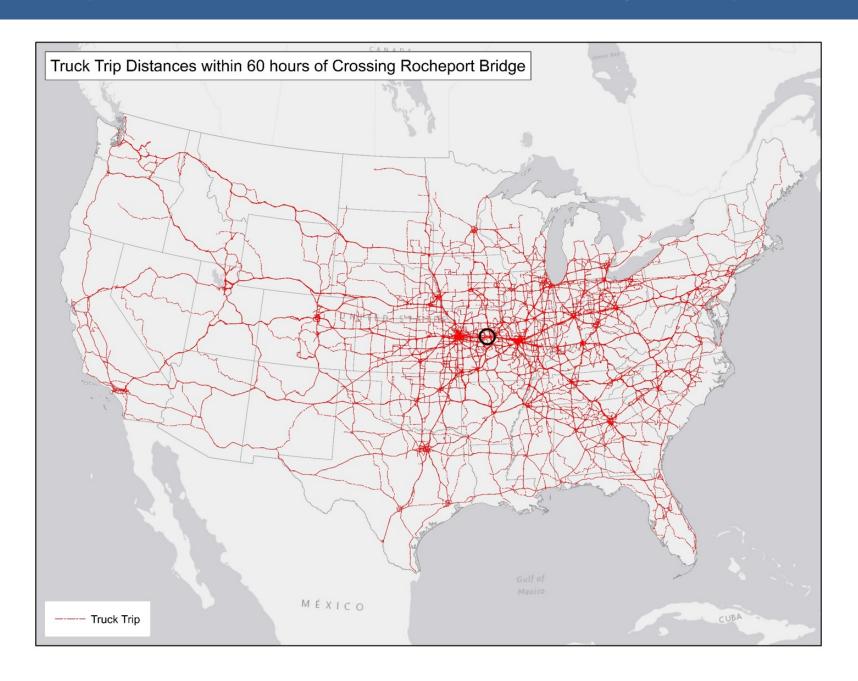
Truck Trip Distances within 36 hours of Crossing Rocheport Bridge



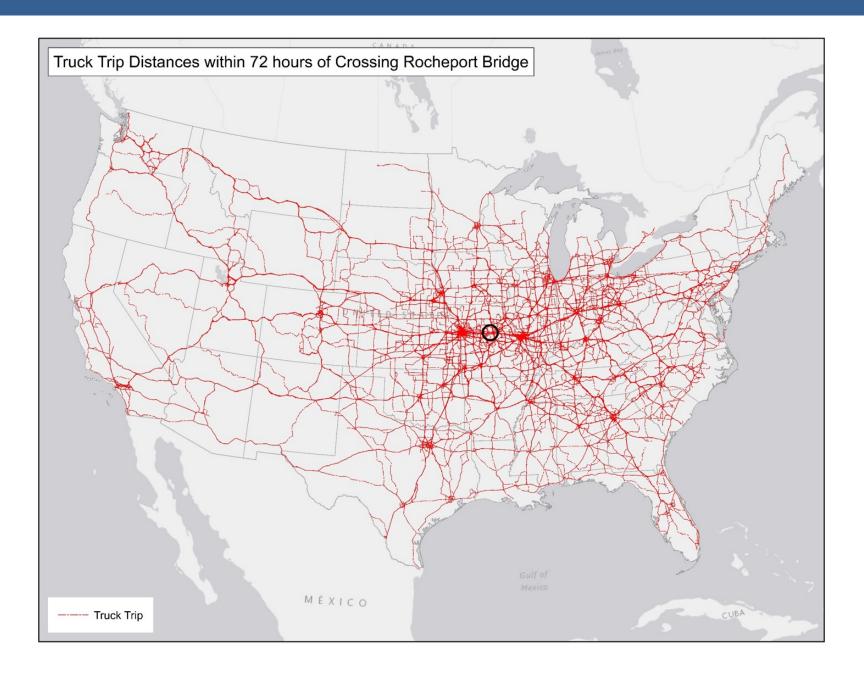
Truck Trip Distances within 48 hours of Crossing Rocheport Bridge



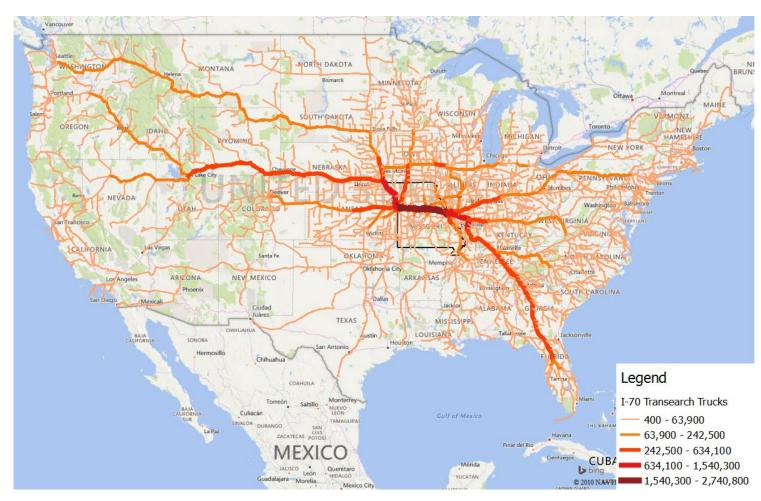
Truck Trip Distances within 60 hours of Crossing Rocheport Bridge



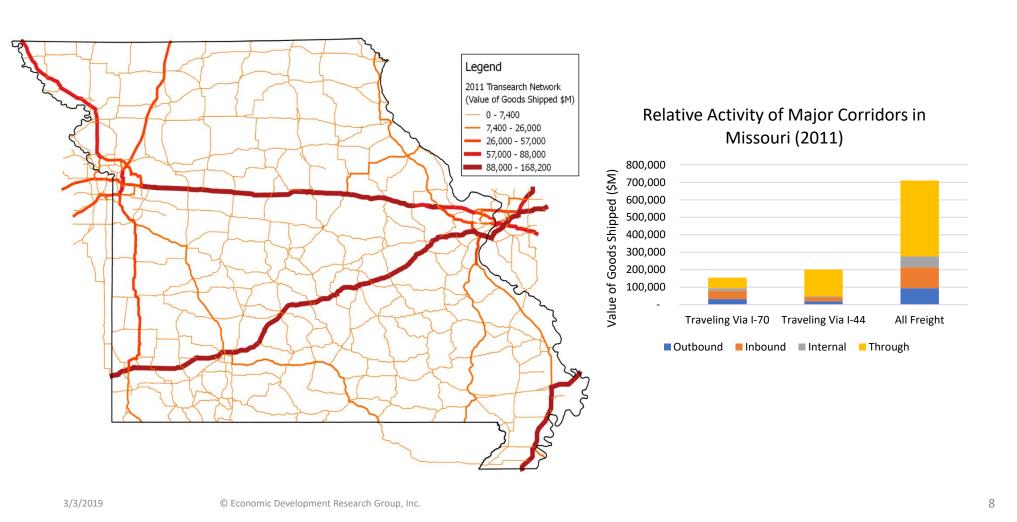
Truck Trip Distances within 72 hours of Crossing Rocheport Bridge



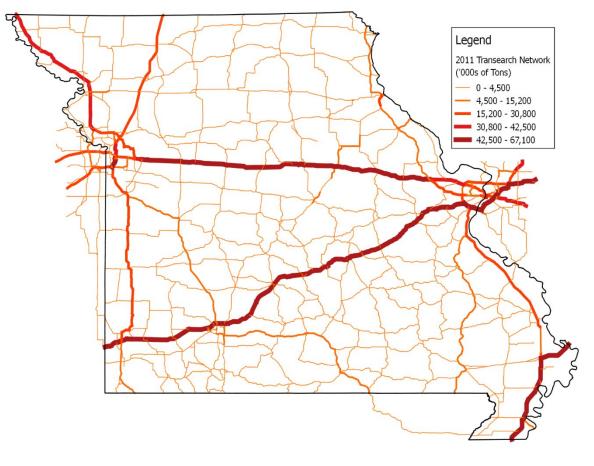
I-70 Trade Map (By Share of I-70 Volume, 2011 Transearch)



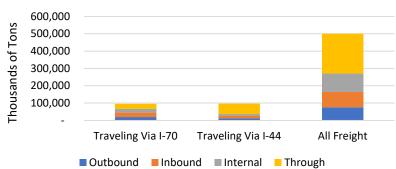
2011 Transearch Value of Goods Shipped



2011 Transearch Volumes of Goods Shipped



Relative Activity of Major Corridors in Missouri (2011, Thousands of Tons)



3/3/2019

© Economic Development Research Group, Inc.



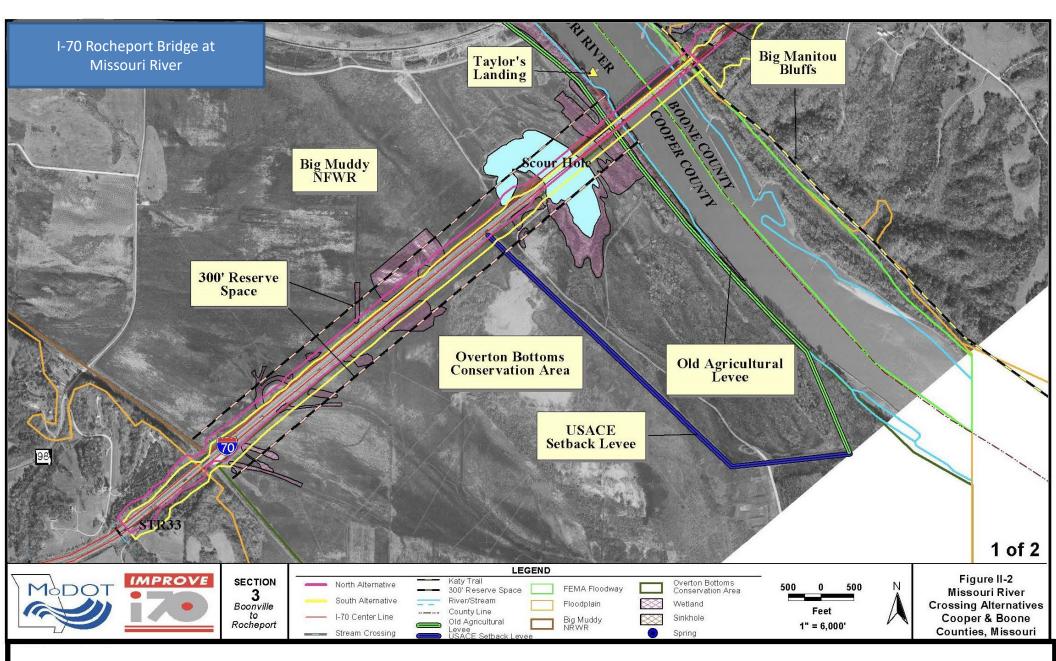
Pictures of Rocheport Bridge's condition, illustrating need for replacement.







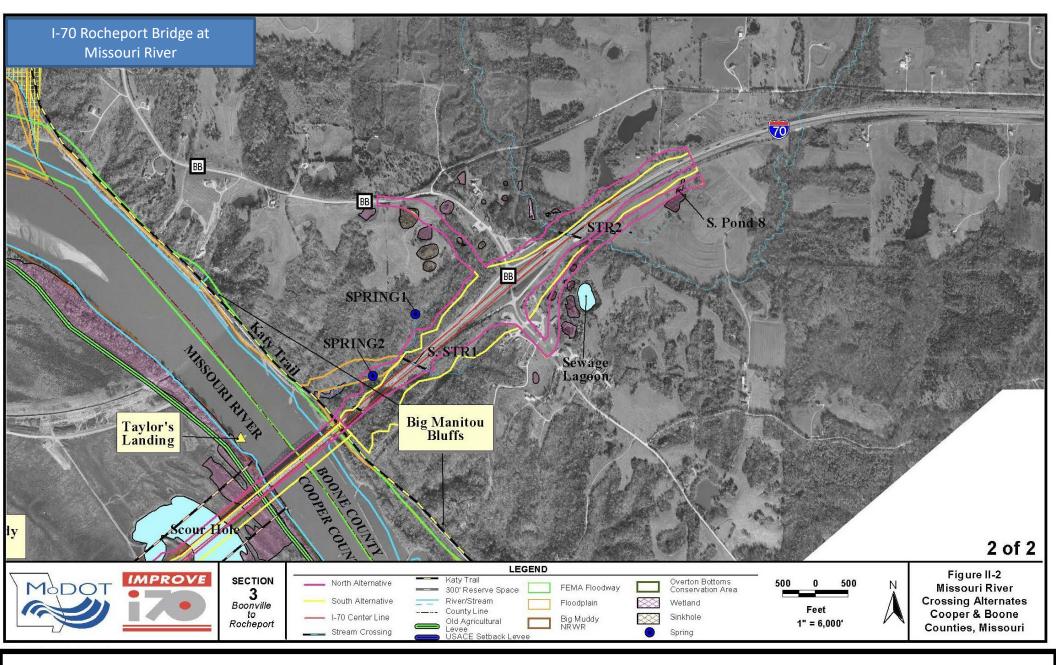
Pictures of Rocheport Bridge's condition, illustrating need for replacement.



Conceptual design plan for the I-70 Missouri River Bridge at Rocheport.

After a thorough analysis and evaluation (including NEPA), the new 3,000-foot bridge will be constructed adjacent to the existing bridge. See next page for eastern segment.

Source: I-70 Second Tier Environmental Assessment



Conceptual design plan for the I-70 Missouri River Bridge at Rocheport.

After a thorough analysis and evaluation (including NEPA), the new 3,000-foot bridge will be constructed adjacent to the existing bridge.

Source: I-70 Second Tier Environmental Assessment

Real-Life Example



Routine Oversize Overweight Permit (Not a Superload)

Entering from IL at I-270/Exiting into KS at I-435

Preferred Route

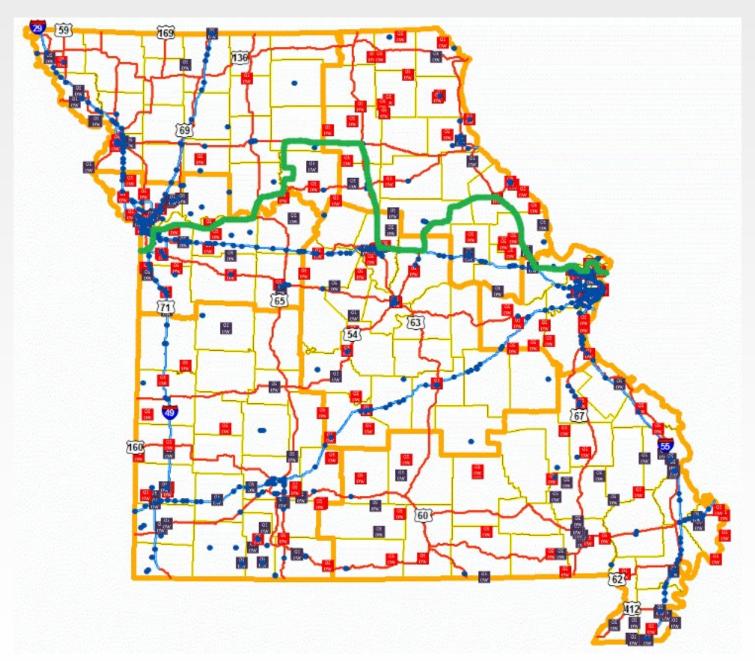




271 Miles Total

Actual Route





413 Miles Total

52% Increase!

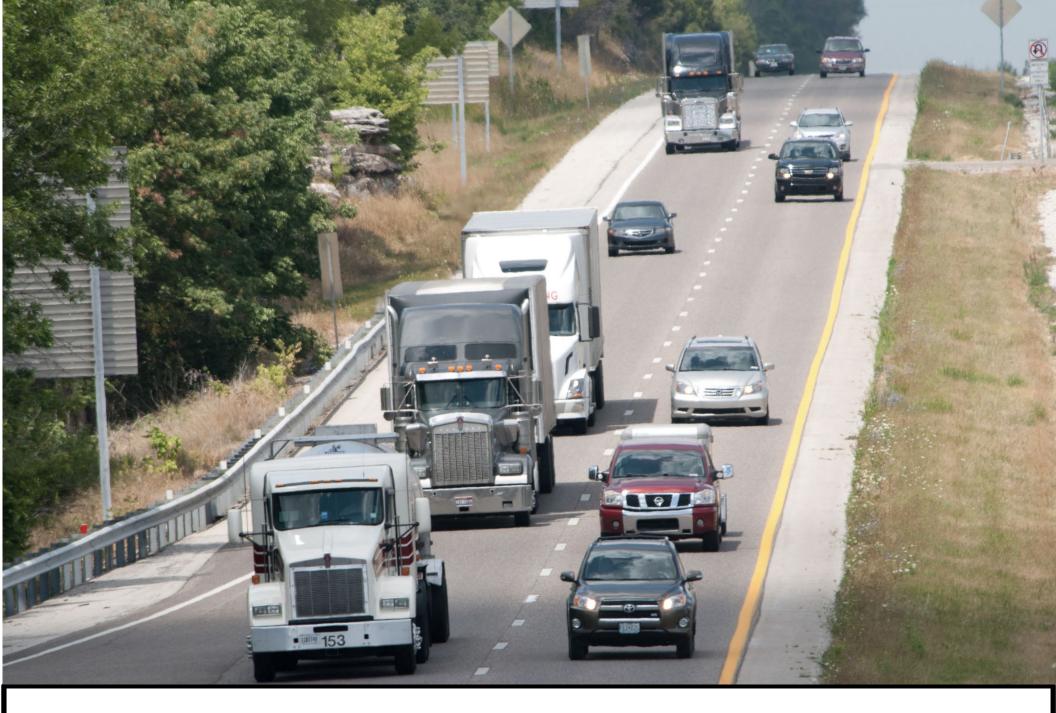


Simulation of Rocheport Bridge rehabilitation (if INFRA funding is not awarded for new construction).

Traffic would be diverted to one side of the bridge to enable complete rehabilitation on the opposite side.

Traffic models predicts the rehabilitation will close lanes for seven to nine months with threeto eight-hour backups depending on the extent and number of incidents on any given day.

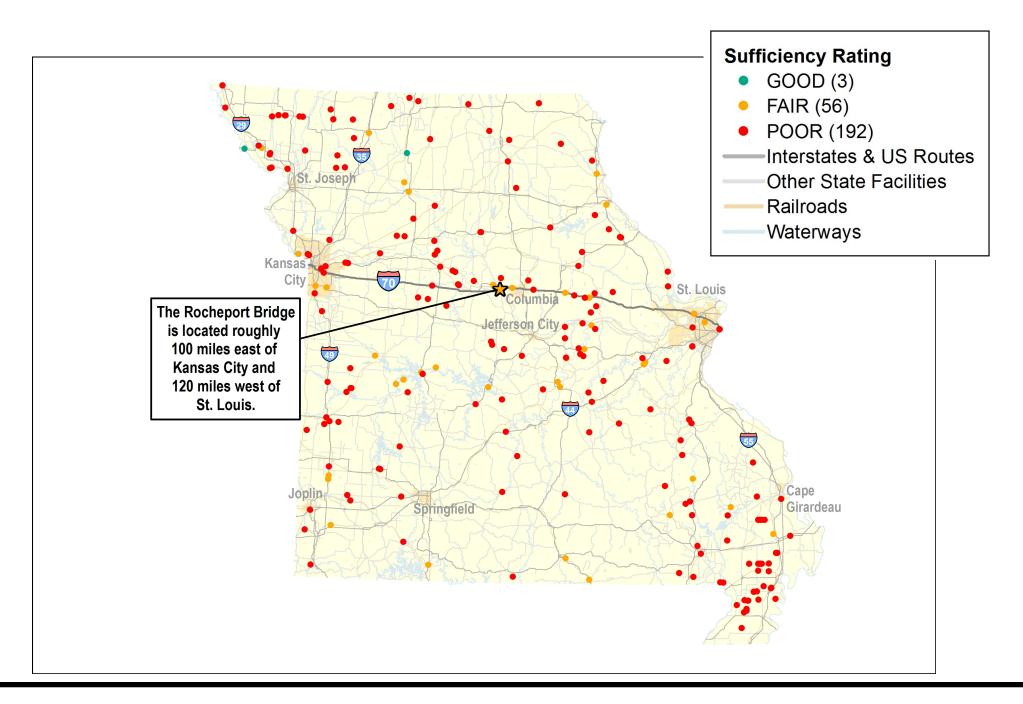
Video Link to simulation: https://blaisassoc.egnyte.com/dl/775rQq8M47



Traffic on I-70 in Boone County – near the proposed Rocheport Bridge new construction.

Photo source: MoDOT D5562-CM-R2-111





Location of the 251 bridges and their sufficiency ratings. Over 76 percent of the bridges are in poor condition.

Source: HDR



Bridge deterioration of rural bridge included in Missouri 250 Bridge Plan





Example of deterioration on a rural bridge included in the 251 Missouri Bridges Project.





Example of deterioration on a rural bridge included in the 251 Missouri Bridges Project.





Example of deterioration on a rural bridge included in the 251 Missouri Bridges Project.







Iron County bridge built in 1928. Mining, quarrying, oil, gas extraction, and agriculture are the primary economic drivers in Iron County, MO. This 2-lane rural bridge is a representative example of the many 251 bridges proposed for rehabilitation or reconstruction. This particular bridge is located on a rural minor arterial and the proposed treatment is reconstruction. Should the bridge become un-operable, the detour length is 48 miles.

Lat: 37 35 6.29, -90 35 3.56



Public Participation

Residents participate in public comment forums and provide written feedback during multiple open houses on how to improve I-70. Photos from MoDOT documents.

