

2012-13 District Winner

PrOMo Challenge

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Prepared by Customer Relations

Missouri Department of Transportation

Shared 4-Lane Hwy 5 Camden County Project



Description

The Route 5 Shared Four-Lane project was the first Shared Four-Lane project in the state that was designed and constructed on new alignment. Our customers believed a four-lane divided highway was the only option when expanding a corridor; however, as a result of this project, the opinion of Missourians in the Lake of the Ozarks area has changed. They are open to the concept of a Shared Four-Lane and believe the design will satisfy needs of other highway improvements. Travelers from all around Missouri who drive from Jefferson City to Branson now have an appreciation for the Shared Four-Lane. The cost of this type of construction is lower than the traditional four-lane highway while providing safe and efficient travel for Missourians.

Benefits

Efficiency: The traffic flow is very efficient and has resulted in a travel time savings for Missouri travelers.

Cost: The Shared Four-Lane carries nearly the same amount of traffic but cost 60% less than a four-lane divided highway.

Quality: The opposing lanes of traffic are separated by a four-foot median that is marked by a series of 6-inch stripes, two of which are rumble stripes to alert a driver when they may be straying into the opposing lane. The highway also includes a series of new signs informing the driver of what to expect ahead.

Organizational Impact: This innovative approach is fitting with MoDOT's philosophy and its use of practical design. In addition, the Shared Four-Lane Highway is an attractive alternative between two or four lane roads.

Safety: There were five fatal crashes and 15 disabling injuries over a 5-year period for the stretch of Route 5 before MoDOT built the Shared Four-Lane design. Since the new highway has opened, we've had zero crashes resulting in fatalities or disabling injuries.

Environmental: The highway has less environmental impacts since the footprint is smaller than a four-lane divided highway.

Team Members

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For More Information

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Additional photos can be seen by accessing the Innovations Challenge homepage at <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>