



FAST CAST BRIDGE®
PATENT# 11,319,679

BUILT FAST AND BUILT TO LAST

PremierSteelServices.com / 918-227-0110

THE FAST CAST BRIDGE SYSTEM RESULTED IN A 75% SAVINGS FOR MAYES COUNTY

From road closure to reopening, the entire process only took two weeks.



THE CHALLENGE

There is a lot of conversation at the local, state and federal levels about the importance of infrastructure improvements and the need to make improvements in a timely, cost-effective manner. Recently, Mayes County in Oklahoma needed to quickly replace a concrete slab bridge built in 1940 that was deemed structurally deficient by the Oklahoma Department of Transportation bridge inspectors.

THE SOLUTION

Premier Steel custom-designed and built a 35-foot bridge (model 8H-24W-35L) for Mayes County, which is just north of Langley, Oklahoma. The Fast Cast Bridge® resulted in a 75% savings and reduced the time frame for bridge replacements from six months to two weeks.



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THE PROCESS

From the time the road was closed to reopening it for traffic, the entire process took only two weeks. An eight-person Mayes County crew removed the old bridge, rerouted the creek and poured the footings. The actual bridge structure was assembled and poured in just eight hours on June 2, 2021

THE RESULTS

The new Fast Cast Bridge resolved a critical safety concern in the county, and improved access for local school buses and farmers, while also avoiding the typical long-term road closures associated with conventional bridge installations.

“By utilizing this technology for this particular bridge construction, Mayes County was able to save hundreds of thousands of dollars. In addition to being a cost-saver for the county and our taxpayers, the Fast Cast Bridge system takes out the lengthy delay in construction. With this type of bridge, we only have to shut a road down for a few days rather than a few weeks or months.”

— Mayes County Commissioner Ryan Ball



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