

OSAGE VALLEY ROAD BRIDGE 1400000 BRO-B027(18)

COOPER COUNTY, MISSOURI



PROJECT OVERVIEW:

The existing bridge on Osage Valley Road, is a steel truss structure which is considered fracture critical. McClure personnel had previously inspected the bridge for MoDOT withing their fracture critical bridge inspection program. The County completed a repair recommendation provided by McClure to keep the bridge operational, but with a load posting. The County decided to replace the structure utilizing their BRO funds. McClure provided survey, hydraulic analysis, permits, geotechnical design, preliminary layout, and final bridge design. McClure will provide future materials testing, and construction observation services during construction. The project is scheduled for construction in late 2020 or early 2021. The final design includes a single-span structure with steel H-piles for the substructure and precast prestressed concrete NU70 girders for the superstructure with a concrete deck. The 136'-6" single-span structure will allow for increased hydraulic capacity and reduced potential for scouring. The proposed structure has an increased width for two-way traffic and large agricultural equipment. With many large farmers in the area, the new structure is welcomed.

COMPLETION DATE:

2021

REFERENCE:

Don Baragary
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