

Sams Creek Road Bridge, Hocking County, Ohio

CEC submitted final plans in May 1999 for the project which consisted of the replacement of a 122' single span truss bridge over Salt Creek, along with the realignment of about 900 feet of roadway. The replacement structure is a non-composite prestressed concrete box beam bridge on cap pile abutments and T-Type piers. The new bridge is a three-span @ 65'-6" c/c bearings, with a width of 24' f/f of railings and a skew of 35°. Loading is HS20-44 and Alternate Military Loading. CEC performed the entire project from surveying through detail design, including hydraulic analyses using HEC-RAS.

CEC used software developed in-house (which automatically generates final bridge plans) to produce the final drawings. The project was completed ahead of schedule in six months, including review time. Construction of the project was completed in 1999.



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