

LOG-C.R. 58-6.492 over the Great Miami River

CEC submitted final plans in August 1997 for the project which consisted of the replacement of a 51.816m single span truss bridge over the Great Miami River and realignment of about 185m of roadway. The replacement structure is a composite prestressed concrete box beam bridge on cap pile abutments and piers.

The new bridge is a three-span @ 15.545m, 20.727m, 15.545m c/c bearings with a width of 8.230m f/f of railings. Loading is MS18 and Alternate Military Loading. CEC performed the entire project from surveying through detail design including hydraulic analyses using HEC-RAS, as well as preparation of the Categorical Exclusion and permitting documents.

CEC used software developed in-house (which automatically generates final bridge plans) to produce the final drawings. The project design was completed ahead of schedule in six months; construction was completed in 1998.



James K. Cox, P.E., P.S.
Logan County Engineer
1991 CR 13, PO Box 427
Bellefontaine, OH 43311-0427