

Bridge Replacement

Progressive Consulting Engineers, Inc. (PCE) staff has designed over 100 bridges throughout the Midwest area. Clients have included Townships, Cities, Counties, and State and Federal Governments. Bridge spans have ranged from 40'-200'. Bridge types include concrete, prestressed concrete, timber, and steel. Bridge crossings include streams, rivers, and highways.



The bridge design services provided by PCE include:

- Bridge inspections and bridge rating
- Hydraulic analysis of bridge sites
- Evaluation of bridge types
- Preliminary and final design
- Preparation of plans, specifications, and cost estimates
- Bridge construction observation

PCE staff uses the HEC-2 computer program for bridge site hydraulic analysis. Computer programs are also used for analysis and design of structural elements.

Recent projects include bridges in Crab Orchard National Wildlife Refuge in Illinois and at the Snake River in Marshall County, Minnesota.

Other projects include inspection of 107 bridges in Minnesota, Wisconsin, Iowa, Indiana, Ohio, and Illinois, and 32 bridges in Superior and Chippewa National Forest in Minnesota.



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