

Major Span: Gene Hartzell Memorial Bridge, near Easton, PA

The Gene Hartzell Memorial Bridge was part of a roadway project that extends S.R. 33 south to connect with Interstate Route 78. Possible locations for the new, 1870' bridge over the Lehigh River were limited due to environmental and right-of-way concerns. Also, the bridge had to span an active railroad to the south, the Lehigh canal and its towpath, and a public bikeway to the north. The four-span truss configuration was developed to optimize the structural-span lengths while still meeting these restrictions. Steel met aesthetic goals and provided light lifts with small profiles, minimizing wind concerns.

The community indicated a desire for the bridge to have an "old time" aesthetic. The truss bridge provides a superstructure from another era yet incorporates modern design concepts.

OWNER

Pennsylvania Department of
Transportation

STRUCTURAL ENGINEER

URS Corporation,
King of Prussia, PA

STRUCTURAL ENGINEERING SOFTWARE

GTStrudl

STEEL FABRICATOR

PDM Bridge, Eau Claire, WI
(AISC Member)

STEEL DETAILER

Tensor Engineering, Indian Harbor Beach,
FL (AISC, NISD member)

STEEL ERECTOR

American Bridge Manufacturing,
Coraopolis, PA (AISC member)

