

ELIZABETHTOWN TO RADCLIFF CONNECTOR, HARDIN COUNTY, KENTUCKY

INSTALLATION DATE—SEPTEMBER, 2012

PROJECT TEAM MEMBERS:

Owner: Kentucky Transportation Cabinet (KYTC)

Contractor: Central Bridge

Engineer: QK4, KYTC Division of Structural Engineering

Precast Producer: Independent Concrete Pipe Company, Louisville, Kentucky

TECHNICAL DETAILS:

Span: 42'-0"

Rise: 12'-0"

Length: 164'-0"

Cover: 20'-0"

Live Load: KY HL-93

Skew: 5°

Type: Versa™ Series
Multiple-Radius



The first ECO-SPAN® arch installed for the Kentucky Transportation Cabinet was part of the construction of the Elizabethtown to Radcliff Connector in Hardin County, Kentucky. The efficiency of the variable-radius arch was perfect fit for the 35' grade separation required at this stream crossing.

Central Bridge installed the 164' long structure including precast headwalls and wingwalls in two days. Strip foundations bearing on limestone bedrock supported the precast concrete arch system.

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