



BRIDGES - EXPANSION JOINTS



D.S. Brown replaces Pennsylvania's expansion joints, delivers three days early, and bridge opened ahead of schedule.

Sewickley Bridge

The Sewickley Bridge, spanning the Ohio River between Sewickley and Moon Township, Pennsylvania (State Route 4025) was closed to traffic on April 19, 2024 to allow crews to conduct emergency expansion joint repair work.

PennDOT had performed an early repair of the bridge's finger joints, but the repair was not working, producing a loud banging noise each time vehicles passed over the joint.

D.S. Brown received an order for a D-320 modular joint with cover plates in mid-December, with a March 31 request date. The order was shipped on March 28. PennDot received the new modular joint with cover plates and upon delivery the components were installed immediately.

PRODUCTS USED



Steelflex Modular Expansion Joint Systems

Highly engineered system comprised of dynamic load bearing center beams welded to multiple support bars and cast-in-place into expansion joint.



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INSTALLATION

2024

Moon Township, Pennsylvania
(State Route 4025)

OWNER

- Pennsylvania Department of Transportation (PennDOT)

CONSTRUCTION TEAM

- Pennsylvania Department of Transportation (PennDOT)
- Gulisek Construction

STATS

- Lattice-beam cantilever truss design.
- Built by the Fort Pitt Bridge Works.
- Officially named the Ohio River Bridge No. 1.
- Center span is 750 feet (230 m) long



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