

SR 60 ARCH EXTENSION HOGGATT BRANCH, SALEM, INDIANA

INSTALLATION DATE—MARCH, 2012

PROJECT TEAM MEMBERS:

Owner: Indiana Department of Transportation (INDOT)

Engineer: CrossRoad Engineers, P.C.

Contractor: Gohmann Asphalt & Construction Inc.

Precast Producer: Independent Concrete Pipe Company, Louisville, KY

TECHNICAL DETAILS:

Span: 30'-0"

Rise: 12'-0"

Length: 56'-0"

Cover: 15'-0"

Live Load: HS20

Skew: None

Type: Single Radius Arch



A cast-in-place concrete arch built in 1948 to carry State Route 60 over Hoggatt Branch was still in good condition when a planned roadway widening made it functionally obsolete. Rather than remove the existing arch, INDOT elected to extend the structure in each direction using precast concrete arch sections. The ECO-SPAN® arch solution chosen by Gohmann Asphalt was a single-leaf 30' span x 12' rise single-radius arch which was a good match with the existing arch shape. The precast was installed on 5' tall cast-in-place stem walls and a short closure pour provided a transition from new to old. The existing two lanes of traffic were maintained throughout construction.

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800.241.0925

info@pretekgroup.com

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