

HOME ROAD AND CONCORD ROAD, DELAWARE COUNTY, OHIO

INSTALLATION DATE—JUNE, 2012

PROJECT TEAM MEMBERS:

Owner: Delaware County Engineer's Office

Contractor: Shelly and Sands, Inc.

Engineer: Korda/Nemeth Engineering, Inc.

Precast Producer: Lindsay Precast

CONCORD ROAD BRIDGE

HOME RD. DETAILS:

Span: 28'-0"

Rise: 9'-0"

Length: 78'-0"

Cover: 3'-8"

Live Load: HL93

Skew: None

Type: Arch-Box



CONCORD RD. DETAILS:

Span: 24'-0"

Rise: 8'-0"

Length: 96'-0"

Cover: 2'-6"

Live Load: HL93

Skew: 5°

Type: Arch-Box

HOME ROAD BRIDGE



The Delaware County Engineer's Office elected to install a roundabout at the intersection of Concord Road and Home Road to improve traffic flow and safety in a rapidly growing area. Two bridges near the intersection were in need of replacement. The county was able to install the new roundabout, replace both structures with ECO-SPAN® Arch-Box bridges, improve roadway alignment, and improve sight distances all in one project. Use of precast arch units, precast headwalls and precast wingwalls allowed Shelly and Sands to install each structure in one day, helping to minimize road closure time.

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