

ROUTE 175 OVER NEW BRITAIN/HARTFORD BUS WAY. NEWINGTON. CT

INSTALLATION DATE— AUGUST, 2012

PROJECT TEAM MEMBERS:

Owner: Connecticut Department of Transportation

Engineer: Connecticut Department of Transportation

Contractor:

Precast Producer: United Concrete Products, Inc.

TECHNICAL DETAILS:

Span: 48'-0"

Rise: 12'-0"

Length: 150'-0"

Cover: 7'-0"

Live Load: HL-93

Skew: None

Type: Arch-Box



A deteriorating 100' span box beam bridge built in 1980 over an abandoned railroad right of way was replaced to make way for a new bus way road between New Britain and Hartford, CT. A three-stage phase demolition plan was developed to allow Route 175 to remain open during construction. Precast arch units were installed under the existing bridge using a self-propelled modular transport (SPMT) vehicle with a special lifting frame. The new 48' span accommodates two traffic lanes, a shoulder, and a bike/pedestrian path.



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