

Plastic plug at the bridge girder head

The bridge deck is a vital link in the transfer of load from the fractured girder to the intact girder. In lieu of using the provisions of $6.16.4.3$ to design the shear connectors, the method suggested in Barnard ...

The Northeast States PCI Bridge Technical Committee has developed standard details for this connection that use grouted reinforcing splice couplers. These connections are based on ...

This includes the use of either galvanized steel plates or other, approved, intrusion barrier designed to prevent the plug material and other non-compressible debris from entering the joint opening.

The minimum concrete cover over the tops of the stud connectors on composite girders (2 inch) and the minimum penetration depth into the concrete deck of the stud connectors (3 inch minimum) must be ...

The pile head should be chipped off to natural horizontal plane till sound concrete is met. The projecting reinforcement should be cut off or bent suitably and the top surface finished and ...

With installations on more than 3,000 bridges--including landmark structures like the Golden Gate Bridge and Sunshine Skyway Bridge--Condux systems have a long track record in critical ...

ASPHALTIC PLUG EXPANSION JOINT (DECK PANEL STEEL GIRDER - EXPANSION END) NOT TO SCALE D D/3 (CENTERED)

Curved girders in Wisconsin generally do not have extremely long span lengths, and the curvature of the girders forms an arch which is usually capable of resisting the wind forces prior to placing the slab.

Find design information for bridge superstructures, including reinforced and prestressed cast-in-place concrete, reinforced and prestressed precast concrete and steel plate and box girder bridges.

Begin by cleaning the top of the bridge unit and the bottom of the headwall. A threaded insert is cast into the top of the bridge unit for an alignment cone. A PVC sleeve is cast into the first headwall ...

Based on the repair approaches for fire-critical bridge girders found in the literature, a repair flowchart with three possible repair scenarios is provided in Figure 13.

20.34.4 PRECAST CONNECTION CATEGORIES AND TYPES In general, PC connections for bridge applications may be classified as: 1) PC girder-to-bent cap connections; 2) moment connections ...

Shear connectors on the top flanges of the steel girders provide the means to achieve composite action

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between the slab and the girders, thus increasing both stiffness and strength.

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