# Reinforcement beams for distribution boxes

In this example, the equivalent strip method will be used. For the equivalent strip method analysis, the girders act as supports, and the deck acts as a simple or continuous beam spanning ...

The following tables provide information to be used in developing Box Beam bridge plans. DC and DW loads are provided to aid in determining the bearing load of each beam.

This experimental study investigates the shear behavior of prestressed box beams reinforced with high-strength shear reinforcement (yield strength exceeding 689 MPa) through eight ...

For a box girder bridge, where the girders are framing into the integral bent cap, the amount of longitudinal reinforcement in the girder needs to be checked using the shear-flexure interaction ...

For box beams with a composite concrete slab overlay, compute deflections due to slab weight and composite dead loads assuming the beam and slab to have the same modulus of elasticity.

The items discussed in this lecture included the analysis and design of singly reinforced rectangular sections, design assumptions, general requirements, variation of strength reduction factor, ...

In accordance with LRFD Article 5.9.4.4.2 confinement reinforcement is not required for box beams and voided and solid slab beams. Rather the provided top and bottom transverse ...

Non-epoxy reinforcement may be used for fabrication purposes, only, provided that the steel is not used in the top 5" of the beam and the location of the steel is indicated on the shop drawings.

Distribution factor for moment in interior beam, DFMIB = (DFMI) (RM) = 0.581 lanes/beam Distribution factor for moment in exterior beam, DFMEB = (DFME) (RM) = 0.714 lanes/beam Distribution factor ...

LIVE LOAD DISTRIBUTION FACTORS USED FOR THE FLEXURAL DESIGN OF THE BEAMS WAS BASED ON PAST STUDIES CONDUCTED BY IADOT. HOWEVER, AASHTO EQUATIONS ...

SHOWN AS INTERFACE SHEAR REINFORCEMENT. IF THE DESIGN REQUIRES A GREATER SHEAR REINFORCEMENT, #16 ( #5) WITH A 530 ( 21") MAXIMUM SPACING BARS MAY BE ...

This document is a technical summary of the Federal Highway Administration (FHWA) report, Box Beam Bridges: Testing of Conventional Grout and Ultra-High Performance Concrete Connection Details ...

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