



BRIDGE TECHNICAL DIRECTION BTD2008/15

CONCRETE PARAPETS ON PEDESTRIAN OVERBRIDGES

Background

Due to incidents involving children, use of "U" shaped concrete girders where the sides form the bridge parapets was excluded near schools or in residential areas by Bridge Design Instruction No 86/6 (BDI 1986/06).

Information

Now that safety screens are provided on RTA pedestrian bridges, the use of this type of bridge has been reviewed. These bridges usually have smaller deflections and have good dynamic performance compared with other types of pedestrian bridges. This form of construction is relatively cheap. As the slab of the "U" shaped concrete girder is the walking surface, the height of the approach ramps can be kept lower than is possible with other bridge types.

Bridge Technical Direction

"U" shaped concrete girder bridges can be used for pedestrian bridges for RTA or for those bridges that will become the property of RTA if full length and height safety screens are installed.

This Bridge Technical Direction withdraws BDI 1986/06.

References: BDI 1986/06

Effective date: 6/06/2008

Approved: Wije Ariyaratne
Principal Bridge Engineer

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