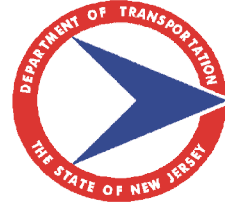


New Jersey Department of Transportation
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

Sign Support Structure Drawings

BDC07D-02

October 12, 2007

**Subject: Release of NJDOT General Design Criteria and Standard Drawings for Overhead and Cantilever Sign Support Structures, 2007, in U.S. Customary English Units
BDC07D-02**

The General Design Criteria and Standard Drawings for Overhead and Cantilever Sign Support Structures, 2007, in U.S. Customary English Units is hereby released by the Department and shall be used for the design, fabrication and respective Working Drawing of projects involving construction of sign support structures that are issued.

This BDC announcement supersedes BDC02D-03, dated July 23, 2002 and BDC02D-04, dated July 24, 2002.

This edition of the Sign Support Structure Standard Drawings includes the following updates/modifications:

1. The design specifications are noted to be the 2001 Edition of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals with current interims.
2. The overhead and cantilever support structures have been analyzed against Fatigue Category II importance factor values as specified in the noted AASHTO Specifications.
3. Detailing for provision of maintenance walkways has been eliminated. With the current use of a track lighting system, provision of a maintenance walkway is not warranted. The track lighting system supplier, support structure fabricator and Designer must coordinate the track lighting system installation detailing.
4. Material strength parameters criteria for the use of steel pipe are given.
5. Criteria for steel anchor bolt material are specified and required anchor bolt tension values have been verified and modified.
6. Designated camber values have been verified for each type support structure.
7. Market availability for designated members; such as, tower members has been verified.
8. Concrete pedestal dimensions have been verified.
9. Designation of sign panel hanger post bolts usage has been modified and the method for installing sign panels with respect to number and sequence of bolts has been designated.
10. Use of friction type clips for sign panel installation is prohibited.

11. Chord gusset plate details, cope hole details, chord flange stiffener details, column base plate stiffener details have all been verified and accordingly modified.

Implementation Code R (ROUTINE)

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

Recommended By:

Original signed by Walt McGrosky

Walt McGrosky, Director
Capital Program Support

Approved By:

*Original signed by Brian Strizki
for Richard Hammer*

Richard Hammer
Assistant Commissioner,
Capital Program Management

SL:YB:FA

Attachment: General Design Criteria and Standard Drawings for Overhead and Cantilever Sign Support Structures, 2007-English Units