

**New Jersey Turnpike Authority**

PO Box 5042, Woodbridge, NJ 07095



***Document Change Announcement***

***Standard Drawings***

**DCA2014-SD-04**

**DATE: June 13, 2014**

**Subject: New Standard Drawings and various Revisions to Existing Standard Drawings**

**Description of Change**

New Standard Drawings for mobile lane closings TP-28 to TP-34 and minor revisions to the existing Standard Drawings BF-1, BF-2, BF-3, BF-4, BR-7, BR-16, ITS-2, ITS-10, ITS-13, ITS-17, ITS-22, ITS-23, ITS-24, ITS-33, ITS-34, ITS-38, ITS-40A, ITS-41, ITS-42, ITS-42A, ITS-43, ITS-44, ITS-45 & SI-18B.

**Instructions to Designers and Consultants**

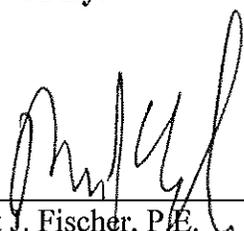
Effective immediately, the revisions contained in this announcement shall be applied to all projects in every phase of design. For advertised contracts awaiting the opening bids, this revision shall be incorporated via addendum, if applicable. Contact your NJTA Project Manager for instructions. Attached revision is noted in italics.

Designers may access these revisions in the NJTA Standard Drawings, which is available on the Authority's Web Page: <http://www.state.nj.us/turnpike/standard-drawings.html>.

**Information for In-House Staff**

The revisions have been incorporated into the Standard Drawings, which is available on the Authority's Web Page: <http://www.state.nj.us/turnpike/standard-drawings.html>. Please distribute the information to your respective Project Managers and have them direct their consultants appropriately.

**Approved By:**

  
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Robert J. Fischer, P.E.  
Chief Engineer

*cc: Senior Staff Engineering, Operations & Maintenance Departments, All Prequalified Consultant Firms, File*

# New Jersey Turnpike Authority

## DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	Gregory Ricks	Submittal Date	5/28/14
Firm	HNTB	Telephone	973-434-3100

### Document (check one)

- Procedures Manual
- Design Manual
- Sample Plans
- Standard Drawings
- Standard Specifications

### Description of Change

*Add the following note to Standard Drawings BF-1 to BF-4:*

#### **THIS DRAWING IS FOR REFERENCE ONLY**

THIS DRAWING MAY ONLY BE USED FOR REPAIR OF EXISTING AUTHORITY BRIDGE FENCING. NEW OR COMPLETE REPLACEMENT BRIDGE FENCING SHALL CONFORM TO THE REQUIREMENTS OF THE OWNER / OPERATOR OF THE ROADWAY CARRIED BY THE BRIDGE, PER DIVISION 500 OF THE SPECIFICATIONS.

### Reason for Change

As a general policy, NJTA owned bridges do not carry pedestrian traffic and therefore do not require fencing. In exceptional cases where bridges carrying Authority vehicular traffic also carry pedestrian traffic, required fencing shall be specified and/or designed on a project by project basis. Where new, replaced, or rehabilitated Authority-owned bridges that carry private-, local-, or state-owned roadways include sidewalks for Authority facilities, the fencing provided shall match the requirements of the above roadway owner. The standard drawings are therefore only of use to document past details and shall be made "for reference only." Their use shall only be for reference detailing where and if existing bridge-mounted fencing is to be repaired.

# New Jersey Turnpike Authority

## DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	Greg Ricks	Submittal Date	4/23/14
Firm	HNTB	Telephone	(973) 434-3100

### Document (check one)

- Procedures Manual
- Design Manual
- Sample Plans
- Standard Drawings
- Standard Specifications

### Description of Change

Clarification of material properties for box girder drain hole cover on Standard Drawing BR-16:

In DRAIN HOLE ISOMETRIC VIEW, change callout from "0.063" DIA. PERFORATED SHEET S.S. WITH 1/8" OPENING WIDTH (ON INSIDE OF BOX GIRDER)" to "16 GAGE PERFORATED SHEET S.S. TYPE 316L WITH 1/8" DIA. OPENINGS ON 3/16" CENTERS (ON INSIDE OF BOX GIRDER)".

#### Add Note:

12. DRAIN HOLE COVER SHALL BE 16 GAGE PERFORATED SHEET STAINLESS STEEL TYPE 316L WITH 1/8" DIA. OPENINGS ON 3/16" CENTERS. CONTRACTOR SHALL SUBMIT PRODUCT LITERATURE WITH THE SHOP DRAWINGS.

### Reason for Change

Callout for box girder drain hole cover was causing confusion during material procurement, and needed clarification.

# New Jersey Turnpike Authority

## DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	John Orman	Submittal Date	05/28/2014
Firm	HNTB Corporation	Telephone	973-434-3100

### Document (check one)

- Procedures Manual
- Design Manual
- Sample Plans
- Standard Drawings
- Standard Specifications

### Description of Change

<u>Drawing</u>	<u>Rev#</u>	<u>Date</u>	<u>Description of Revision</u>
ITS-2	1	5/14	Wiring and Conduit revisions
ITS-10	1	5/14	Relocated callout leader
ITS-13	1	5/14	Revised callout
ITS-17	C	4/14	Conformed Drawing. Revise median end wall, guide rail connections, stairwell walls, Type D junction box locations, and miscellaneous fence dimensioning to match previous revisions performed under Revision No. 2 to ITS-17, dated 02/2013.
ITS-22	1	5/14	Clarification of anchor bolts, conduits and skirt attachment
ITS-23	1	5/14	Hardware quantity revision cable revision
ITS-24	1	5/14	Added clamshell enclosure
ITS-33	1	5/14	Added anchor bolt size and note reference
ITS-34	1	5/14	Revised for digital CCTV
ITS-38	1	5/14	Wire modifications
ITS-40A	1	5/14	Wire modifications
ITS-41	1	5/14	Updated Note references
ITS-42	1	5/14	Moved arrow to indicate correct reference
ITS-42A	1	5/14	Wire Modifications + Add revision indicator in one location
ITS-43	1	5/14	Revised work pad
ITS-44	1	5/14	Revised work pad
ITS-45	1	5/14	Clarification of anchor bolts and skirt attachment

## **Reason for Change**

<u>Drawing</u>	<u>Reason for Change</u>
ITS-2	Upgrade to digital CCTV.
ITS-10	Clarified callout leader to point to access ladder.
ITS-13	Clarified callout to indicate SCC base plate holes are intended for attachment of Myers hubs.
ITS-17	Previous version did not contain all required updates.
ITS-22	Same as above and clarified anchor bolt thread size.
ITS-23	Removed analog CCTV cable and updated mounting bolt hardware quantity
ITS-24	Installation of wireless traffic sensor now illustrates clamshell enclosure.
ITS-33	Previous drawing versions did not show diameter of anchor bolts.
ITS-34	Upgrade to digital CCTV.
ITS-38	Revisions in design.
ITS-40A	Revisions in design.
ITS-41	Note references became incorrect upon earlier changes in Notes.
ITS-42	Clarified callout leader to point to conduit.
ITS-42A	Revisions in design.
ITS-43	Removed gap at work pad to avoid growth of vegetation.
ITS-44	Removed gap at work pad to avoid growth of vegetation.
ITS-45	Same as ITS-22.

# *New Jersey Turnpike Authority*

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Firm	HNTB	Telephone	973-434-3100

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### Description of Change

On Standard Drawing BR-7 (Barrier Parapet Details), the girder haunch detail in Typical Section was revised to reflect standard construction practice for haunches, consistent with the use of permanent stay-in-place deck forms. The haunch detail was revised to be in agreement with the standard stay-in-place deck form detail shown in NJTA Design Manual Exhibit 2-303.

### Reason for Change

The haunch shown on standard drawing BR-7 does not reflect current standard construction practice.

# *New Jersey Turnpike Authority*

## DOCUMENT UPDATE REQUEST

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Firm	HNTB	Telephone	973-434-3100

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### Description of Change

Revised Standard Drawing SI-18B, Erection Detail – Butterfly Structure. Eliminated S8x18.4 blockout members. Revised aluminum sign hangers from W4 to W6 members.

### Reason for Change

Given that the old flange splice details have been eliminated for butterfly sign structures, the blockout members may be removed provided that the sign hanger member depths are increased.