

New Jersey Turnpike Authority

PO Box 5042, Woodbridge, NJ 07095



Document Change Announcement

Standard Drawings

DCA2014-SD-03

DATE: April 15, 2014

Subject: Revisions to Electrical Standard Drawings, VM, CM and SI Standard Drawings

Description of Change

The following Standard Drawings have been revised and updated: E-02, E-03, E-03A, E-09, E-28, E-29, VM-1, VM-2, VM-4, VM-5, VM-6, VM-8, VM-9, VM-10, VM-11, VM-12, VM-13, VM-17, VM-20, VM-21, CM-2, CM-3, CM-6, CM-7, CM-8, CM-9, CM-10, SI-22, and SI-42,

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:

A handwritten signature in black ink, appearing to read 'R. Fischer', is written over a horizontal line.

Robert J. Fischer, P.E.
Chief Engineer

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

Letter of Transmittal

HNTB Job # 49929
VIA Hand Delivery
Date: 03-11-14



To: Nisha Patel **Regarding:** NJTA Standard Drawings
Highway Engineer Revisions to E, VM, CM, and SI
New Jersey Turnpike Authority Standard Drawings
581 Main St.
Woodbridge, NJ 07095-5042

We are forwarding to you:

- | | | |
|---------------------------------------|---|--|
| <input type="checkbox"/> Estimates | <input type="checkbox"/> Plans | <input checked="" type="checkbox"/> Prints |
| <input type="checkbox"/> Reports | <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Change Order | <input checked="" type="checkbox"/> Disk | <input type="checkbox"/> Copy of Letter |
| <input type="checkbox"/> Book | <input checked="" type="checkbox"/> Other | |

# of Copies	Drawing #	Last Dated	Code	Description
1		03-14	7, 8	Half-size prints of Standard Drawings E-02, E-03, E-03A, E-09, E-28, and E-29
1		03-14	7, 8	Half-size prints of Standard Drawings VM-1, VM-2, VM-4, VM-5, VM-6, VM-8, VM-9, VM-10, VM-11, VM-12, VM-13, VM-17, VM-20, VM-21, CM-2, CM-3, CM-6, CM-7, CM-8, CM-9, CM-10, SI-22, and SI-42
1		03-14	7,8	Half-size prints of updated Index of Standard Drawings 1 and 2
1		03-11-14	7,8	Document Update Request form for E drawings
		03-11-14	7,8	Document Update Request form for VM, CM, & SI drawings
1		03-11-14	7,8	Electronic files of the included prints (.pdf, .tiff, & .dgn formats) and electronic copy of the Document Update Request forms (.doc & .pdf format) on disk

These are transmittal Codes:

1	No exceptions taken	4	Rejected	7	As per your request
2	Make corrections noted	5	For your approval	8	For distribution
3	Amend and resubmit	6	For your information	9	For review and comments

Please note: Mylar drawings have not been provided in accordance with direction provided by Mr. Valte on 3/6/14.

By: Jean-Pierre Ravetier, P.E.

Copy to: Tony Valte - NJTA (w/o enclosures)

James J. Beattie, P.E. - HNTB Corporation

David H. Marihugh - HNTB Corporation

New Jersey Turnpike Authority

DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	Mashhood Siddiqui	Submittal Date	03/11/2014
Firm	HNTB Corporation	Telephone	973-434-3100

Document (check one)

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

Description of Change

Index: Revised to reflect sheet titles and revision dates

Electrical Standard Drawing Revisions:

E-02: Bracket arms no longer required, replaced with steel pole details.

E-03: Title changed and bracket arm removed.

E-03A: Tenon details updated.

E-09: Schedule 8.1 updated.

E-28: Criteria tables updated.

E-29: Additional luminaires approved for use on Authority roadways.

Reason for Change

Index: Revised to reflect sheet titles and revision dates

Electrical Standard Drawing Revisions:

E-02: Steel poles now required where lighting standards installed on structures.

E-03: New lighting standards shall not include bracket arms.

E-03A: Both vertical and horizontal tenon types have been updated.

E-09: Updated Item E Dimensions for pole with 13"-15" bolt circle.

E-28: Criteria for luminaire applications have been revised.

E-29: Additional luminaires have been reviewed and approved for use on Authority roadways.

New Jersey Turnpike Authority

DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	Richard Schaefer	Submittal Date	03/11/2014
Firm	HNTB Corporation	Telephone	973-434-3100

Document (check one)

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

Description of Change

Index: Revised to reflect sheet titles and revision dates

VM Standard Drawing Revisions:

- VM-1:** Removed fall arrest system from view
- VM-2:** Revised foundation loads
- VM-4:** Added note
- VM-5:** Added ladder details
- VM-6:** Revised ladder details
- VM-8:** Removed ladder rungs from pedestal and added an eyenut
- VM-9:** Removed ladder rungs from pedestal and added an eyenut
- VM-10:** Revised and added items to the Bill of Materials
- VM-11:** Revised cantilever dimensions
- VM-12:** Added alternate details for a bolted splice option (Option 2) for the connection of the truss chord members to the column. (removed some details from sheet)
- VM-13:** Reorganized details and included details from VM-12
- VM-17:** Removed fall arrest system from view
- VM-20:** Added ladder details and revised foundation loads
- VM-21:** Revised ladder details

CM Standard Drawing Revisions:

- CM-2:** Removed fall arrest system from view
- CM-3:** Removed fall arrest system from view
- CM-6:** Added note
- CM-7:** Added ladder details and revised foundation loads
- CM-8:** Revised ladder details
- CM-9:** Revised HCMS mounting details
- CM-10:** Revised and added items to the Bill of Materials

SI Standard Drawing Revisions:

SI-22: Revised grout height

SI-42: Revised post clip bolt hole diameter

Reason for Change

Index: Revised to reflect sheet titles and revision dates

VM Standard Drawing Revisions:

VM-1: Fall arrest system has been removed from structures and replaced with new fall protection system

VM-2: Loading revised to reflect adjusted wind loading

VM-4: Requirement to grease fitting specified

VM-5: Ladder details revised to reflect access enhancements as directed by the Authority

VM-6: Ladder details revised to reflect access enhancements as directed by the Authority

VM-8: Ladder details revised to reflect access enhancements as directed by the Authority

VM-9: Ladder details revised to reflect access enhancements as directed by the Authority

VM-10: Material revised to reflect changes required for updated ladder assembly

VM-11: Details revised as directed by the Authority based on feedback received from the steel fabricators of the Cantilever VMS/VSLs structures.

VM-12: Details revised as directed by the Authority based on feedback received from the steel fabricators of the Cantilever VMS/VSLs structures.

VM-13: Details revised as directed by the Authority based on feedback received from the steel fabricators of the Cantilever VMS/VSLs structures.

VM-17: Fall arrest system has been removed from structures and replaced with new fall protection system

VM-20: Ladder details revised to reflect access enhancements as directed by the Authority, Loading revised to reflect adjusted wind loading

VM-21: Ladder details revised to reflect access enhancements as directed by the Authority

CM Standard Drawing Revisions:

CM-2: Fall arrest system has been removed from structures and replaced with new fall protection system

CM-3: Fall arrest system has been removed from structures and replaced with new fall protection system

CM-6: Requirement to grease fitting specified

CM-7: Ladder details revised to reflect access enhancements as directed by the Authority, Loading revised to reflect adjusted wind loading

CM-8: Ladder details revised to reflect access enhancements as directed by the Authority

CM-9: Mounting details updated based on requirements from HCMS manufacturer
CM-10: Material revised to reflect changes required for updated ladder assembly

SI Standard Drawing Revisions:

SI-22: Revised to correspond with dimension shown on SI-13

SI-42: Revised hole to fit bolt size