



**Iowa Department of Transportation**  
*Highway Division*

**TO:** Holders of Standard Road Plans  
**FROM:** Office of Design  
**SUBJECT:** Revision of Manual (English)

**TRANSMITTAL DATE:**  
**REVISION DATE:** 10-21-14

INSTRUCTIONS: The attached Standard Road Plans have received approval and may be referred to in the plans by number. Questions concerning the distribution of revisions to the manual should be directed to the Office of Document Services, telephone (515) 239-1940. Questions concerning information contained on the Standard Road Plans should be directed to the Methods Section, Office of Design, telephone (515) 239-1727 or email amy.tinken@dot.iowa.gov.

Item Description	Description of Revision
*Note*	The following revisions are effective with the October 21, 2014 letting. Projects let prior to this date may reference earlier versions of these Standard Road Plans.
<b>BA INDEX</b> BA-101 BA-102 BA-106 BA-202 BA-211 BA-250 BA-253	Added CONCRETE QUANTITIES Per Section. Changed Possible Tabulation. Changed Possible Contract Item. Changed label from Bridge End Post to Bridge Rail End Section. New. Previously used non-published detail. Modified note 2 and changed title. Added End Terminal to Lapping Procedure detail. Added Incidental Items.
<b>EC INDEX</b> EC-202	Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and circle note 1.
<b>EW INDEX</b> EW-102 EW-201 EW-202 EW-203 EW-204	Added HEIGHT OF EMBANKMENT > 20 FEET drawing and circle note 1. Changed label from Bridge Endpost to Bridge Rail End Section. Changed label from Bridge Endpost to Bridge Rail End Section. Changed label from Bridge End Post to Bridge Rail End Section. Corrected spelling of "removal" on page 1 and changed label from Bridge Endpost to Bridge Rail End Section.
<b>LI INDEX</b> LI-101 LI-103 LI-104 LI-110 LI-120	New. Replaces RM-31 and RM-32. Revised luminaire, changed the label "Footing" to "Foundation", and added the word "Light" to the pole label. Changed "Traffic Lane" to "Traveled Way". New. Replaces RM-38 and RM-42. New. Replaces RM-37. Added circle note 1 and updated general notes. New. Replaces RM-44. Modified circle notes. Changed the label "Footing" to "Foundation". New. Replaces RM-41. Added labels to SECTION A-A and changed "Meyers Hub" to "Threaded Hub" in CASE A.

<b>LI Series cont.</b>	
LI-130	New. Replaces RM-48. Added the word "LUMINAIRES" to the title.
LI-141	New. Replaces RM-33. Deleted general notes already in the Specs and placed information on sealing of duct terminals in 2525.03, N, 2 of the specs. Changed the word "footing" to "foundation" in circle note 1 and added the word "Light" to the pole label.
LI-142	New. Replaces RM-34A and RM-34B. Added the word "Light" to the pole label.
LI-151	New. Replaces RM-35. Changed "Suppressors" to "Protection Devices" and "Station" to "Cabinet". Changed title.
LI-152	New. Replaces RM-36. Changed "Suppressors" to "Protection Devices" and "Station" to "Cabinet". Changed title.
LI-201	New. Replaces RM-39 and RM-47. Changed the label "Footing" to "Foundation" and changed title.
LI-210	New. Replaces RM-43. Changed the label "Footing" to "Foundation". Removed leveling nuts and wire fabric. Lighting consultant advised transformer bases shouldn't be placed on leveling nuts.
LI-211	New. Replaces RM-46. Changed the label "Footing" to "Foundation".
<b>PM INDEX</b>	
PM-120	Added CHW8 to Case 'B' and 'C'.
<b>PR INDEX</b>	
PR-101	New. Replaces RR-1. Added "Patches, Full-Depth Finish, by Area (50 feet or greater in length)" as a Possible Contract Item.
PR-102	New. Replaces RR-2. Added "Patches, Full-Depth Finish, by Area (50 feet or greater in length)" as a Possible Contract Item.
PR-103	New. Replaces RR-4. Added "Patches, Full-Depth Finish, by Area (50 feet or greater in length)" as a Possible Contract Item.
PR-104	New. Replaces RR-18. Added "Patches, Full-Depth Finish, by Area (50 feet or greater in length)" as a Possible Contract Item. Changed title.
PR-105	New.
PR-110	New. Replaces RR-21. Changed the word "SEALING" to "FILLING" in the title.
PR-120	New. Replaces RR-23.
PR-121	New. Replaces RR-24.
PR-140	New. Replaces RR-26. Deleted label for Possible HMA Resurfacing so that the focus is the Subbase Patch.
PR-201	New. Replaces 7301, 7302, 7303, 7304, 7310 and 7311.
PR-202	New. Replaces 7305, 7306, 7307, 7308 and 7309.
<b>PV INDEX</b>	
PV-020	Changed reference from tabulation 101-13 to 112-4 in circle note 2 and changed title as Painted Islands are being introduced.
PV-101	Changed the 'DW-CG' Joint on sheet 1 to reference the Bar Size Table rather than a #5 bar.
PV-105	Changed the P dimension to W in each of the drawings.

<b>PV Series cont.</b>	
PV-418	Changed "ramp entrance" to "detour connection" and "mainline" to "detour". Removed circle notes. Added 50' header and Detail 'A'.
PV-428	Changed "ramp entrance" to "detour connection" and "mainline" to "detour". Removed circle notes.
<b>RF INDEX</b>	
RF-19E	Revised circle notes 7 and 9. Added circle notes 11 and 12. Changes made to include material from Materials I.M. 443.01.
RF-29	Modified notes. Add information that approval of drawing isn't required for fabrication process. This coincides with a change B&S is making to remove RF-29 from the specs as required shop drawings to be submitted.
RF-30D	Removed 104-3 from the list of Possible Tabulations.
RF-38	Changed label from Bridge End Post to Bridge Rail End Section.
RF-39	Changed all references from "Scourstop" to "Outlet or Channel Scour Protection". Added new Possible Contract Item for Bridge End Drain. Rearranged Incidental Items and added Section D-D.
<b>RK INDEX</b>	
RK-19A	Changed label from Bridge End Post to Bridge Rail End Section.
RK-20	Moved Double Reinforced Section dimension to the outside of the joint. Changed label from Bridge End Post to Bridge Rail End Section.
RK-25	Moved Double Reinforced Section dimension to the outside of the joint. Changed label from Bridge End Post to Bridge Rail End Section.
RK-26	Moved Double Reinforced Section dimension to the outside of the joint. Changed label from Bridge End Post to Bridge Rail End Section.
RK-27	Moved Double Reinforced Section dimension to the outside of the joint. Changed label from Bridge End Post to Bridge Rail End Section.
<b>RM INDEX</b>	
RM-31	Void. Replaced by LI-101.
RM-32	Void. Replaced by LI-101.
RM-33	Void. Replaced by LI-141.
RM-34A	Void. Replaced by LI-142.
RM-34B	Void. Replaced by LI-142.
RM-35	Void. Replaced by LI-151.
RM-36	Void. Replaced by LI-152.
RM-37	Void. Replaced by LI-104.
RM-38	Void. Replaced by LI-103.
RM-39	Void. Replaced by LI-201.
RM-40	Void.
RM-41	Void. Replaced by LI-120.
RM-42	Void. Replaced by LI-103.
RM-43	Void. Replaced by LI-210.
RM-44	Void. Replaced by LI-110.

<b>RM Series cont.</b>	Void. Replaced by LI-211
RM-46	Void. Replaced by LI-211
RM-47	Void. Replaced by LI-201.
RM-48	Void. Replaced by LI-130.
<b>RR INDEX</b>	
RR-01	Void. Replaced by PR-101.
RR-02	Void. Replaced by PR-102.
RR-04	Void. Replaced by PR-103.
RR-18	Void. Replaced by PR-104.
RR-21	Void. Replaced by PR-110.
RR-23	Void. Replaced by PR-120.
RR-24	Void. Replaced by PR-121.
RR-25	Void. Replaced by 560-04.
RR-26	Void. Replaced by PR-140.
<b>SW INDEX</b>	
SW-301	Changed "Chimney Seal" to "Infiltration Barrier".
SW-303	Changed "Chimney Seal" to "Infiltration Barrier".
SW-305	Changed "Chimney Seal" to "Infiltration Barrier". Removed flow arrow.
SW-405	Removed flow arrow.
SW-504	Added circle note 4.
SW-507	Added circle note 4. "Slope of 1.5% or as specified in the contract documents".
SW-508	Added circle note 4. "Slope of 1.5% or as specified in the contract documents".
SW-509	Added circle note 4. "Slope of 1.5% or as specified in the contract documents".
SW-510	Added circle note 4. "Slope of 1.5% or as specified in the contract documents".
SW-512	Deleted the flow arrow on sheet 2.
SW-550	Added circle note 4. "Slope of 1.5% or as specified in the contract documents".
<b>TC INDEX</b>	
TC-061	Added TLSS to Legend on sheet 4. Added exit ramp transition information on sheet 5 and 150' TLSS extension on sheet 2.
TC-215	Moved second standard note into circle note 1. Moved END ROAD WORK to match other standards.
TC-216	Replaced 70' dimension with circle note 1.
TC-217	Replaced 70' dimension with circle note 1. Changed 520' dimension to 550'. Split 230' dimension into 85' tangent and 165' taper.
TC-218	Modified circle note 1. Replaced 70' dimension with circle note 2. Added Possible Contract Item and Possible Tabulations.
TC-232	Changed "changeable message sign" to "portable dynamic message sign".
TC-233	Changed "Changeable Message Sign (CMS)" to "Portable Dynamic Message Sign (PDMS)" in circle note 5.
TC-234	Changed "Changeable Message Sign (CMS)" to "Portable Dynamic Message Sign (PDMS)" in circle note 4.

<b>TC Series cont.</b>	
TC-253	Added Possible Contract Item and Possible Tabulations. Replaced 70' dimension with circle note 2.
TC-271	Changed "Traffic Signal" to "Temporary Traffic Signal" in the LEGEND.
TC-421	Added 85' tangent section at beginning of TBR flare and added Detail 'A'.
TC-433	Changed "Changeable Message Sign (CMS)" to "Portable Dynamic Message Sign (PDMS)" in circle note 3.
TC-451	Added general note to clarify preplanned closure time. Renamed "Changeable Message Sign" to "Portable Dynamic Message Sign".