



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: 04-21-15

INSTRUCTIONS: The attached Standard Road Plans have received approval and may be referred to in the plans by number. 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 daniel.harness@dot.iowa.gov.

Item Description	Description of Revision
Note	The following revisions are effective with the April 21, 2015 letting. Projects let prior to this date may reference earlier versions of these Standard Road Plans.
BR INDEX BR-101 BR-102 BR-103 BR-104 BR-105 BR-106 BR-107 BR-111 BR-112 BR-121 BR-201 BR-202 BR-203 BR-204 BR-205 BR-211 BR-212 BR-213 BR-231	New. Replaces RK-19A. New. Replaces RK-19B. New. Replaces RK-19C. New. Replaces RK-19F. New. Replaces RK-19G. New. Replaces RK-19H. New. Replaces RK-19J. New. Replaces RK-17. New. Replaces RK-16. New. Replaces RK-18. New. Replaces RK-25. New. Replaces RK-26. New. Replaces RK-20. New. Replaces RK-27 New. New. Replaces RK-21. New. Replaces RK-22. New. Replaces RK-30. New. Replaces RK-23.
DR INDEX DR-101 DR-102 DR-103 DR-104 DR-111	New. Replaces RF-30A. Changed 18" min. dimension from outside of pipe to trench to 24" min. from inside of pipe to trench to match spec change in Article 2402.04. Modified circle note 9 to clarify intent of elongation. New. Replaces RF-30B. New. Replaces RF-30C. New. Replaces RF-31 and RF-32. New. Replaces RF-30D. Changed 12" min. dimension from outside of box to trench to 24" min. from inside of box to trench. Changed 12" min. dimension from outside of box to trench to 24" min. from inside of box to trench to match spec change in Article 2402.04.

DR Series cont.	
DR-121	New. Replaces RF-14.
DR-122	New. Replaces RF-2.
DR-141	New. Replaces RF-13.
DR-142	New. Replaces RF-21.
DR-201	New. Replaces RF-3.
DR-202	New. Replaces RF-42.
DR-203	New. Replaces RF-5.
DR-204	New. Replaces RF-43.
DR-205	New. Replaces Detail 1407. Replace wood planks with cast in end wall.
DR-211	New. Replaces RF-44.
DR-212	New. Replaces RF-27.
DR-213	New. Replaces RF-26.
DR-301	New. Replaces RF-19A.
DR-302	New. Replaces RF-19B.
DR-303	New. Replaces RF-19C. Removed reference to rodent guard. Rodent guards have shown to be more of a problem (tufa formation) than a help.
DR-304	New. Replaces RF-19E. Removed rodent guards. Rodent guards have shown to be more of a problem (tufa formation) than a help.
DR-305	New. Replaces RF-19F. Removed rodent guard. Rodent guards have shown to be more of a problem (tufa formation) than a help.
DR-401	New. Replaces RF-39.
DR-402	New. Replaces RF-40.
DR-501	New. Replaces RF-7.
DR-502	New. Replaces RF-45.
DR-503	New. Replaces RF-29.
DR-601	New. Replaces Detail 1101.
DR-602	New. Replaces Detail 1102.
DR-611	New. Replaces Detail 1201.
DR-612	New. Replaces Detail 1202.
DR-621	New. Replaces Detail 1301.
DR-622	New. Replaces Detail 1302.
DR-623	New. Replaces Detail 1303.
DR-624	New. Replaces Detail 1304.
DR-625	New. Replaces Detail 1305.
DR-626	New. Replaces Detail 1306.
DR-627	New. Replaces Detail 1307.
DR-628	New. Replaces Detail 1308.
DR-629	New. Replaces Detail 1309.
DR-631	New. Replaces Detail 1401.
DR-632	New. Replaces Detail 1403.
DR-641	New. Replaces Detail 1501.
DR-642	New. Replaces Detail 1502.
DR-643	New. Replaces Detail 1503.
DR-644	New. Replaces Detail 1504.

DR Series cont.	
DR-651	New. Replaces Detail 1601.
DR-652	New. Replaces Detail 1602.
DR-653	New. Replaces Detail 1603.
EC INDEX	
EC-101	Replaced Section A-A drawings with one Section A-A. Added circle notes 4 and 5. Added Possible Contract Items and Possible Tabulation.
EC-102	Replaced DOT logo with new version. Revised Section A-A and B-B drawings to show ditch bottoms being flat.
EC-103	Removed language from general notes already in the Specifications. Modified drawings. Added Possible Contract Item and Possible Tabulation. Removed Intercepting Ditch and associated drawings. Wood Excelsior Mat not used for that purpose. Added L and W to match tab.
EC-104	New.
EC-201	Clarified top of silt fence is to be minimum of 19 inches above ground line. Added labels to identify the bottom of the trench (manual installation).
EC-204	Modified circle notes 1, 2, 3, and 4. Changed stakes for filter socks <18" dia. to 1" X 2". Added in information to clarify measurement of overlaps and run ups.
EC-301	New. Replaces Design Details 4401, 4402, 4403, 4404, and 4405. Added general note that Class 10 excavation is incidental. Added flow line to Rock Ditch. Changed Rock Splash Basin for all culverts to be as it was for a single RCB (suggested by B&S).
EC-501	Replaced DOT logo with new version.
EC-502	New.
EW INDEX	
EW-105	New.
EW-203	Updated references to renamed standards.
EW-204	Updated references to renamed standards.
EW-211	Replaced the DOT logo in the title block with the new version and changed references to renamed standards.
LI INDEX	
LI-142	Changed reference from LS-401 to LI-141 in the general notes.
PM INDEX	
PM-111	Added transverse bars and modified dimensions to Railroad Crossing Symbol.
PM-240	Changed designation for two transverse bands from SLW2 to RRCW and removed associated dimensions.
PM-242	Changed designation for two transverse bands from SLW2 to RRCW and removed associated dimensions.
PR INDEX	
PR-101	Removed references to rodent guards. Rodent guards have shown to be more of a problem (tufa formation) than a help.

PR Series cont.	Removed reference to circle note 3 from 'BT-3' and 'RT' joints in the PARTIAL LANE WIDTH PATCH drawing.
PR-102	Removed references to rodent guards. Rodent guards have shown to be more of a problem (tufa formation) than a help.
PR-140	
PV INDEX	
PV-13	Modified side road detail and added circle note 1 on page 2.
PV-101	Added Detail D-3 and removed language on Detail D-1 on page 4. Added Detail D-3 as an option for 'K' and 'L' joints on page 3.
PV-106	Changed subdrain for skewed crossings to match skew. Replaced the DOT logo in the title block with the new version. These are already being built with the subdrain parallel to the tracks.
PV-121	Added circle note 2 and replaced the DOT logo in the title block with the new version.
PV-204	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
PV-500	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
PV-503	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
PV-506	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
PV-509	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
PV-512	Updated references to renamed standards and replaced the DOT logo in the title block with the new version.
RF INDEX	
RF-2	Void. Replaced by DR-122.
RF-3	Void. Replaced by DR-201.
RF-5	Void. Replaced by DR-203.
RF-7	Void. Replaced by DR-501.
RF-8	Void. Replaced by 510-04.
RF-13	Void. Replaced by DR-141.
RF-14	Void. Replaced by DR-121.
RF-19A	Void. Replaced by DR-301.
RF-19B	Void. Replaced by DR-302.
RF-19C	Void. Replaced by DR-303.
RF-19E	Void. Replaced by DR-304.
RF-19F	Void. Replaced by DR-305.
RF-21	Void. Replaced by DR-142.
RF-26	Void. Replaced by DR-213.
RF-27	Void. Replaced by DR-212.
RF-29	Void. Replaced by DR-503.
RF-30A	Void. Replaced by DR-101.

RF Series cont.	Void. Replaced by DR-102.
RF-30B	Void. Replaced by DR-102.
RF-30C	Void. Replaced by DR-103.
RF-30D	Void. Replaced by DR-111.
RF-31	Void. Replaced by DR-104.
RF-32	Void. Replaced by DR-104.
RF-38	Void. Replaced by SW-538.
RF-39	Void. Replaced by DR-401.
RF-40	Void. Replaced by DR-402.
RF-42	Void. Replaced by DR-202.
RF-43	Void. Replaced by DR-204.
RF-44	Void. Replaced by DR-211.
RF-45	Void. Replaced by DR-502.
RK INDEX	
RK-16	Void. Replaced by BR-112.
RK-17	Void. Replaced by BR-111.
RK-18	Void. Replaced by BR-121.
RK-19A	Void. Replaced by BR-101.
RK-19B	Void. Replaced by BR-102.
RK-19C	Void. Replaced by BR-103.
RK-19F	Void. Replaced by BR-104.
RK-19G	Void. Replaced by BR-105.
RK-19H	Void. Replaced by BR-106.
RK-19J	Void. Replaced by BR-107.
RK-20	Void. Replaced by BR-203.
RK-21	Void. Replaced by BR-211.
RK-22	Void. Replaced by BR-212.
RK-23	Void. Replaced by BR-231.
RK-25	Void. Replaced by BR-201.
RK-26	Void. Replaced by BR-202.
RK-27	Void. Replaced by BR-204.
RK-30	Void. Replaced by BR-213.
SW INDEX	
SW-306	Revised 3-piece casting configuration.
SW-538	New. Replaces RF-38. Changed 36" 1500D (Class II) pipe to Precast Riser Section to match other SWs. Changed base to match other SWs. Added new note 12 and renumbered remaining notes. Added in information that Apron and Corrugated Metal Pipe are incidental.
SW-547	Matched slope of grate to adjacent pavement. Replaced DOT logo with new version.
SW-548	Matched slope of grate to adjacent pavement. Replaced DOT logo with new version
SW-549	Matched slope of grate to adjacent pavement. Modified the circle notes in the table on sheet 5 and changed to color. Replaced the DOT logo with the new version.

SW Series cont.	
SW-601	Minor revision to depict adjustability of TYPE B and TYPE D casting. Modified circle note 3.
SW-602	Revised 3-piece casting configuration. Modified circle note 2.
TC INDEX	
TC-61	Removed 20' C/C spacing of TLSS on page 2.
TC-202	Modified general notes, changed title and replaced the DOT logo in the title block with the new version.
TC-252	Replaced R11-4 sign with R11-3A in Situation 1. Removed R11-4 signs in Situation 3. Changed circle note 2 to apply based on distance to road.
TC-402	Modified general notes, changed title and replaced the DOT logo in the title block with the new version.
TC-420	Added 500' dimensions and corrected Auxiliary spelling on page 3. Replaced the DOT logo in the title block with the new version.
TC-451	Corrected typo in title.