



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

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

**TRANSMITTAL DATE:** 11-02-09  
**REVISION DATE:** 04-20-10

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 sent to the Methods Section at: [design.standards@dot.iowa.gov](mailto:design.standards@dot.iowa.gov).

Item	Description of Revision
*Note*	The following revisions are effective with the April 20, 2010 letting. Projects let prior to this date may reference earlier versions of these Standard Road Plans.
<b>BA INDEX</b>	
BA-100	New. Replaces RE-44A.
BA-101	New. Replaces RE-44B.
BA-102	New. Replaces RE-44C.
BA-103	New. Replaces RE-44E.
BA-104	New. Replaces RE-44F.
BA-105	New. Replaces RE-44G.
BA-106	New. Replaces RE-44J.
BA-107	New. Replaces RE-44H.
BA-108	New. Replaces RE-46.
BA-150	New. Replaces RE-74.
BA-200	New. Replaces RE-12A, RE-12B, RE-12C, and RE-100.
BA-201	New. Replaces RE-68.
BA-202	New. Replaces RE-69A, RE-69B, and RE-69C.
BA-203	New. Replaces RE-33A.
BA-204	New. Replaces RE-33B
BA-205	New. Replaces RE-76.
BA-206	New.
BA-210	New. Replaces RE-37.
BA-250	New. Replaces RE-64A, RE-64B and RE-65B.
BA-251	New. Replaces RE-54A.
BA-252	New. Replaces RE-55A.
BA-253	New. Replaces RE-63.
BA-351	New. Replaces RE-88.
BA-400	New. Replaces RE-89.
BA-401	New. Replaces RE-71.
BA-500	New. Replaces RE-85.

<b>EC INDEX</b>	
EC-101	New. Replaces RC-5. Removed general note and wire staple detail.
EC-102	New. Replaces RC-12. Changed widths to variable instead of fixed. Removed wire and wood stake details.
EC-103	New. Replaces RC-14. Removed general notes and wire staple detail.
EC-201	New. Replaces RC-17.
EC-202	New. Replaces RC-18. Added Section A-A to sheet 2.
EC-501	New. Replaces RC-6C.
<b>MI INDEX</b>	
MI-101	New. Replaces RC-7.
MI-102	New. Replaces RC-10 and RC-11.
MI-103	New. Replaces RC-8A, RC-8B, RC-9A, RC-9B.
MI-104	New. Replaces 510-4(1),(2),(3).
MI-210	New. Replaces RB-3 and Typical 6106. Added Possible Tabulation and Possible Contract Items.
MI-220	New. Replaces RB-6. Added Section C-C and general note.
<b>PV INDEX</b>	
PV-1	New. Replaces RH-50, RH-51, RH-52 and RH-55.
PV-2	New. Replaces curb and ramped median nose typicals.
PV-11	New. Replaces RH-60.
PV-12	New. Replaces RH-64.
PV-301	New. Replaces RP-1.
PV-302	New. Replaces RP-2.
PV-303	New. Replaces RP-3.
PV-410	New. Replaces RV-4 and RV-10. Modified length and pavement area.
PV-411	New. Replaces RV-5 and RV-10. Modified shading area.
PV-412	New. Replaces RV-8 and RV-11. Modified length and pavement area.
PV-414	New. Replaces RV-9 and RV-11. Modified length and pavement area.
PV-500	New. Replaces RV-12A. Revised table of offsets and drops
PV-501	New. Replaces RV-12B. Revised table of offsets and drops
PV-502	New. Replaces RV-12C. Revised table of offsets and drops
PV-503	New. Replaces RV-13A. Revised table of offsets and drops
PV-504	New. Replaces RV-13B. Revised table of offsets and drops
PV-505	New. Replaces RV-13C. Revised table of offsets and drops
PV-506	New. Replaces RV-14A. Revised table of offsets and drops
PV-507	New. Replaces RV-14B. Revised table of offsets and drops
PV-508	New. Replaces RV-14C. Revised table of offsets and drops
<b>RA INDEX</b>	
RA-40	VOID. Replaced By SW-508
RA-41	VOID. Replaced By SW-541
RA-42	VOID. Replaced By SW-542
RA-43	VOID. Replaced By SW-510

RA-46	VOID. Replaced By SW-546
RA-47A	VOID. Replaced By SW-547
RA-47B	VOID. Replaced By SW-547
RA-48A	VOID. Replaced By SW-549
RA-48B	VOID. Replaced By SW-548
RA-49	VOID. Replaced By SW-402
RA-50	VOID. Replaced By SW-401
RA-51	VOID. Replaced By SW-301
RA-52	VOID. Replaced By SW-307
RA-53	VOID
RA-54	VOID. Replaced By SW-602
RA-55	VOID.
RA-56	VOID.
RA-59	VOID. Replaced By SW-350
RA-60	VOID.
RA-61	Void
RA-62	VOID. Replaced By SW-562
RA-63	VOID. Replaced By SW-512
RA-64	VOID. Replaced By SW-512
RA-66A	VOID. Replaced By SW-604
RA-66B	VOID.
RA-66C	VOID. Replaced By SW-604
RA-66D	VOID. Replaced By SW-603
RA-67A	VOID. Replaced By RF-38
RA-67B	VOID. Replaced By RF-38
RA-67C	VOID. Replaced By RF-38
RA-69	Void. Moved to RM-42 sheet 2.
RA-70	VOID. Replaced By SW-545
RA-71	Void. Replaced by SW-550
<b>RB INDEX</b>	
RB-3	Void. Replaced by MI-210.
RB-6	Void. Replaced by MI-220.
<b>RC INDEX</b>	
RC-5	Void. Replaced by EC-101.
RC-6C	Void. Replaced by EC-501.
RC-7	Void. Replaced by MI-101.
RC-8A	Void. Replaced by MI-103.
RC-8B	Void. Replaced by MI-103.
RC-9A	Void. Replaced by MI-103.
RC-9B	Void. Replaced by MI-103.
RC-10	Void. Replaced by MI-102.
RC-11	Void. Replaced by MI-102.
RC-12	Void. Replaced by EC-102.

RC-13	Void.
RC-14	Void. Replaced by EC-103.
RC-17	Void. Replaced by EC-201.
RC-18	Void. Replaced by EC-202.
<b>RD INDEX</b>	
RD-63	Void. Replaced by SI-882.
RD-64	Void. Replaced by SI-882.
RD-65	Void. Replaced by SI-881.
<b>RE INDEX</b>	
RE-2A	Void.
RE-2B	Void.
RE-3A	Void. Replaced by SI-181.
RE-3B	Void. Replaced by SI-181.
RE-7	Void. Replaced by SI-172 and SI-173.
RE-12A	Void. Replaced by BA-200.
RE-12B	Void. Replaced by BA-200.
RE-12C	Void. Replaced by BA-200.
RE-27B	Void.
RE-29A	Void.
RE-29C	Void.
RE-33A	Void. Replaced by BA-203.
RE-33B	Void. Replaced by BA-204.
RE-37	Void. Replaced by BA-206.
RE-44A	Void. Replaced by BA-100.
RE-44B	Void. Replaced by BA-101.
RE-44C	Void. Replaced by BA-102.
RE-44E	Void. Replaced by BA-103.
RE-44F	Void. Replaced by BA-104.
RE-44G	Void. Replaced by BA-105.
RE-44H	Void. Replaced by BA-107.
RE-44J	Void. Replaced by BA-106.
RE-46	Void. Replaced by BA-108.
RE-47	Void. Replaced by SI-173.
RE-48A	Void. Replaced by SI-211.
RE-48B	Void. Replaced by SI-211.
RE-54A	Void. Replaced by BA-251.
RE-54B	Void.
RE-55A	Void. Replaced by BA-252.
RE-55B	Void.
RE-63	Void. Replaced by BA-253.
RE-64A	Void. Replaced by BA-250.
RE-64B	Void. Replaced by BA-250.
RE-65B	Void. Replaced by BA-250.
RE-66C	Void.

RE-68	Void. Replaced by BA-201.
RE-69A	Void. Replaced by BA-202.
RE-69B	Void. Replaced by BA-202.
RE-69C	Void. Replaced by BA-202.
RE-71	Void. Replaced by BA-401.
RE-74	Void. Replaced by BA-150.
RE-76	Void. Replaced by BA-205.
RE-84	Void. Contact Methods Section if Required
RE-85	Void. Replaced by BA-500.
RE-88	Void. Replaced by BA-351.
RE-89	Void. Replaced by BA-400.
RE-100	Void. Replaced by BA-200.
RE-101	Void. Replaced by BA-201.
RE-102	Void. Replaced by BA-205.
<b>RF INDEX</b>	
RF-14	Updated Materials I.M. reference in general notes. Added sheet 2.
RF-27	Updated references to renamed standards. Updated notes.
RF-29	New. Replaces 540-4A,B,C,D.
RF-30B	Removed Polymer Grid and reformatted.
RF-38	Added possible tabulation. Updated materials reference in circle note 7. Changed reference by bolt pattern on sheet 1. Added grate and collar info.
RF-39	Modified notes and dimensions. Added shading. Updated guardrail cells. Updated language.
RF-40	Modified notes and dimensions. Updated language and Guardrail cells.
RF-45	Changed 30" slotted drain to 36". Revised pipe lengths in table of quantities.
<b>RG INDEX</b>	
RG-1	Updated references to renamed standards.
<b>RH INDEX</b>	
RH-6	Updated references to renamed standards.
RH-19	Void.
RH-22	Void.
RH-37D	Void. Information added to paving typicals
RH-39	Void.
RH-41A	Void. Information added to paving typicals
RH-41B	Void. Information added to paving typicals
RH-41C	Void. Information added to paving typicals
RH-41E	Void.
RH-42	Void. Information added to paving typicals
RH-43	Void.
RH-45B	Void.
RH-45C	Void.
RH-45D	Void.
RH-45E	Void.

RH-47B	Void.
RH-47C	Void.
RH-48	Void.
RH-49	Void.
RH-50	Void. Replaced by PV-1.
RH-51	Void. Replaced by PV-1.
RH-52	Void. Replaced by PV-1.
RH-53	Void.
RH-54	Void.
RH-55	Void. Replaced by PV-1.
RH-60	Void. Replaced by PV-11.
RH-64	Void. Replaced by PV-12.
<b>RJ INDEX</b>	
RJ-26D	Void. Information added to paving typical.
RJ-33	Void. Information added to paving typical.
RJ-34	Void. Information added to paving typical.
<b>RK INDEX</b>	
RK-16	Updated references to renamed standards. Revised Reinforcement.
RK-17	Changed notes. Retitled Details. Removed PCC from joint in Detail 'E.'
RK-18	Updated references to renamed standards. Revised reinforcement and minimum pavement distance.
RK-19A	Updated references to renamed standards. Revised reinforcement and minimum pavement distance. Removed curb placement top view detail.
RK-19B	Updated references to renamed standards.
RK-19C	Updated references to renamed standards.
RK-19F	Updated references to renamed standards. Revised reinforcement.
RK-19G	Updated references to renamed standards.
RK-19H	Updated references to renamed standards.
RK-19J	Updated references to renamed standards. Revised reinforcement.
RK-20	Updated references to renamed standards.
RK-21	Updated references to renamed standards.
RK-22	Updated references to renamed standards.
RK-23	Updated references to renamed standards.
RK-25	Updated references to renamed standards.
RK-26	Updated references to renamed standards.
RK-30	Updated references to renamed standards.
<b>RL INDEX</b>	
RL-9	Change reference from Tab 100-19 to 100-13, 100-14 and 100-15.
RL-12	Updated references to renamed standards.
RL-14A	Added third plan view and circle notes 2 and 3.
RL-15	Updated references to renamed standards.
RL-16	Updated references to renamed standards.

<b>RM INDEX</b>	
RM-42	Updated references to renamed standards. Added RA-69 to sheet 2. Added Materials I.M. reference to circle note 3.
<b>RP INDEX</b>	
RP-1	Void. Replaced by PV-301.
RP-2	Void. Replaced by PV-302.
RP-3	Void. Replaced by PV-303.
<b>RR INDEX</b>	
RR-1	Updated references to renamed standards.
RR-2	Modified general notes.
RR-3	Updated references to renamed standards. Removed circle notes 2, 6, & 7.
RR-4	Updated references to renamed standards. Adjusted joint spacing length for one lane width patch.
RR-5	Updated references to renamed standards. Adjusted joint spacing length for one lane width patch. Updated circle note 4.
RR-7	Corrected 'CD' joint location. Changed Full-Depth Patches to Full-Depth Finish.
RR-13	Void
RR-14	Void
RR-17	Updated references to renamed standards.
RR-18	Updated references to renamed standards.
RR-23	Updated references to renamed standards.
RR-24	Updated references to renamed standards. Modified reinforcement and pavement minimum.
<b>RV INDEX</b>	
RV-4	Void. Replaced by PV-410
RV-5	Void. Replaced by PV-411.
RV-8	Void. Replaced by PV-412.
RV-9	Void. Replaced by PV-414.
RV-10	Void. Replaced by PV-410 and PV-411
RV-11	Void. Replaced by PV-412 and PV-414
RV-12A	Void. Replaced by PV-500.
RV-12B	Void. Replaced by PV-501
RV-12C	Void. Replaced by PV-502
RV-13A	Void. Replaced by PV-503
RV-13B	Void. Replaced by PV-504
RV-13C	Void. Replaced by PV-505
RV-14A	Void. Replaced by PV-506
RV-14B	Void. Replaced by PV-507
RV-14C	Void. Replaced by PV-508
<b>SI INDEX</b>	
SI-113	Updated references to renamed standards. Updated notes.
SI-121	Corrected background plaque dimensions on county route marker.
SI-132	Removed general note already covered in spec.

SI-172	New. Replaces RE-7.
SI-173	New.
SI-181	New. Replaces RE-3A.
SI-182	New. Replaces RE-3B.
SI-211	New. Replaces RE-48A and RE-48B.
SI-881	New. Replaces RD-65.
SI-882	New. Replaces RD-63 and RD-64.
<b>SW INDEX</b>	
SW-541	Updated references to renamed standards. Changed wall thickness from 6" to 8".
SW-545	Updated references to renamed standards.
SW-546	Updated references to renamed standards. Changed wall thickness from 6" to 8".
SW-547	Updated references to renamed standards.
SW-548	Updated references to renamed standards.
SW-549	Updated references to renamed standards.
SW-550	New. Replaces RA-71. Changed intake wall thickness dimensions.
<b>TC INDEX</b>	
TC-61	Updated references to renamed standards.
TC-62	Updated references to renamed standards.
TC-81	Updated references to renamed standards. Updated signs. Added circle note 4.
TC-202	Changed shoulder signs, general note, and title. Updated signs.
TC-253	Updated references to renamed standards.
TC-273	Updated references to renamed standards.
TC-402	Changed shoulder signs, general note, and title. Updated signs.
TC-416	New.
TC-417	New.
TC-418	Updated references to renamed standards.
TC-420	Added sheets 3, 4, and 5. Updated references to renamed standards.
TC-421	Updated references to renamed standards.
TC-422	Updated references to renamed standards.