



Iowa Department of Transportation
Highway Division

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

TRANSMITTAL DATE: 05-26-06
REVISION DATE: 10-17-06

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.

Item	Description of Revision
NOTE	The following revisions are effective with the October 17, 2006 letting. Projects let prior to this date may reference earlier versions of these Standard Road Plans.
INDEX	Revised.
RA INDEX	Revised pages 1 and 2.
RA-42	New multi-page standard. Replaces RA-42(1), RA-42(2) and RA-42(3).
RA-42(1)	VOID. Replaced by RA-42.
RA-42(2)	VOID. Replaced by RA-42.
RA-42(3)	VOID. Replaced by RA-42.
RA-47A	New multi-page standard. Replaces RA-47A(1), RA-47A(2), RA-47A(3) and RA-47A(4). Changed "Headed Anchors" to "Shear Connector Studs".
RA-47A(1)	VOID. Replaced by RA-47A.
RA-47A(2)	VOID. Replaced by RA-47A.
RA-47A(3)	VOID. Replaced by RA-47A.
RA-47A(4)	VOID. Replaced by RA-47A.
RA-47B	New multi-page standard. Replaces RA-47B(1), RA-47B(2) and RA-47B(3). Changed "Headed Anchors" to "Shear Connector Studs".
RA-47B(1)	VOID. Replaced by RA-47B.
RA-47B(2)	VOID. Replaced by RA-47B.
RA-47B(3)	VOID. Replaced by RA-47B.
RA-48A	New multi-page standard. Replaces RA-48A(1), RA-48A(2), RA-48A(3) and RA-48A(4). Changed "Headed Anchors" to "Shear Connector Studs".
RA-48A(1)	VOID. Replaced by RA-48A.
RA-48A(2)	VOID. Replaced by RA-48A.
RA-48A(3)	VOID. Replaced by RA-48A.
RA-48A(4)	VOID. Replaced by RA-48A.
RA-48B	New multi-page standard. Replaces RA-48B(1), RA-48B(2), RA-48B(3), RA-48B(4) and RA-48B(5). Changed "Headed Anchors" to "Shear Connector Studs".
RA-48B(1)	VOID. Replaced by RA-48B.
RA-48B(2)	VOID. Replaced by RA-48B.

RA-48B(3)	VOID. Replaced by RA-48B.
RA-48B(4)	VOID. Replaced by RA-48B.
RA-48B(5)	VOID. Replaced by RA-48B.
RA-63	Added contract item information and removed unnecessary notes.
RA-70	New multi-page standard. Replaces RA-70(1), RA-70(2) and RA-70(3).
RA-70(1)	VOID. Replaced by RA-70.
RA-70(2)	VOID. Replaced by RA-70.
RA-70(3)	VOID. Replaced by RA-70.
RB INDEX	Revised page 1.
RB-6	Added sheets 2 and 3.
RB-6(1)	VOID. Replaced by RB-6.
RB-6(2)	VOID. Replaced by RB-6.
RB-6(3)	VOID. Replaced by RB-6.
RC INDEX	Revised page 1.
RC-8B	New multi-page standard. Replaces RC-8B(1) and RC-8B(2).
RC-8B(1)	VOID. Replaced by RC-8B.
RC-8B(2)	VOID. Replaced by RC-8B.
RC-9B	Updated reference.
RD INDEX	Revised pages 1 and 2.
RD-23	Changed thickness of panels.
RD-28	Added lane edge line and eliminated several views.
RD-34	Added backside chevron at P.C. and P.T. of curve.
RD-43	Removed rivet hole information.
RD-45	Removed rivet hole information.
RD-49	New multi-page standard. Replaces RD-49(1) and RD-49(2). Removed detachable copy information.
RD-49(1)	VOID. Replaced by RD-49.
RD-49(2)	VOID. Replaced by RD-49.
RD-50	New multi-page standard. Replaces RD-50(1), RD-50(2), RD-50(3), RD-50(4) and RD-50(5). Removed detachable copy information.
RD-50(1)	VOID. Replaced by RD-50.
RD-50(2)	VOID. Replaced by RD-50.
RD-50(3)	VOID. Replaced by RD-50.
RD-50(4)	VOID. Replaced by RD-50.
RD-50(5)	VOID. Replaced by RD-50.
RD-51	Removed detachable copy information.
RD-52	Removed detachable copy information.
RD-53	Removed detachable copy information.
RD-54	Removed detachable copy information.

RD-55	New multi-page standard. Replaces RD-55(1) and RD-55(2). Removed detachable copy information.
RD-55(1)	VOID. Replaced by RD-55.
RD-55(2)	VOID. Replaced by RD-55.
RD-56	Removed detachable copy information.
RD-65	New. Special signs for traffic control.
RE INDEX	Revised pages 1 and 2.
RE-37	Showed correct mounting height for thrie beam and reorganized dimensioning.
RE-44C	Removed Materials I.M. reference and modified dimensions on Section A-A.
RE-44E	Removed Materials I.M. reference, modified dimensions on Section A-A, and added a bar transition region for tying into other concrete barrier types.
RE-44F(1)	VOID. A Detail Sheet will be issued in its place.
RE-44F(2)	VOID. A Detail Sheet will be issued in its place.
RE-44G	Complete redesign.
RE-44H	VOID. A Detail Sheet will be issued in its place.
RE-65B	Removed extraneous linework and notes.
RE-71	Replaces RE-71(1), RE-71(2), RE-71(3) and RE-71(4). Changed location of concrete barrier markers and added notes regarding use of tapered end section.
RE-71(1)	VOID. Replaced by RE-71.
RE-71(2)	VOID. Replaced by RE-71.
RE-71(3)	VOID. Replaced by RE-71.
RE-71(4)	VOID. Replaced by RE-71.
RE-74	New. Replaces RE-74A and RE-74B.
RE-74A	VOID. Replaced by RE-74.
RE-74B	VOID. Replaced by RE-74.
RE-84	New multi-page standard. Replaces RE-84(1) and RE-84(2).
RF INDEX	Revised page 1 and deleted page 2.
RF-19E	Clarified that recycled subbase means recycled PCC subbase.
RF-30A	Changed Class 'B' bedding and backfill requirements.
RF-30B	Changed requirements for polymer grid and modified its dimensions.
RF-38	Replaces RF-38(1) and RF-38(2).
RF-38(1)	VOID. Replaced by RF-38.
RF-38(2)	VOID. Replaced by RF-38.
RF-39	Updated references.
RF-40	Updated references.
RG INDEX	Revised page 1.
RG-8	Deleted shoulder details and added design quantities.

RH INDEX	Revised page 1.
RH-45E	Gutter joint required on curbed typical.
RH-50	Added tolerances for sawcut depths and increased range of sawcut widths on Detail 'B'.
RH-51	Added tolerances for sawcut depths.
RH-52	Added CF-4 joint type and changed width of EF joint.
RH-55	Replaces RH-55(1) and RH-55(2).
RH-55(1)	VOID. Replaced by RH-55.
RH-55(2)	VOID. Replaced by RH-55.
RK INDEX	Revised page 1.
RK-17	Updated reference for joint details.
RK-20	New multi-page standard. Replaces RK-20(1), RK-20(2) and RK-20(3). Changed reinforcing bar configuration and bent bar dimensions.
RK-20(1)	VOID. Replaced by RK-20.
RK-20(2)	VOID. Replaced by RK-20.
RK-20(3)	VOID. Replaced by RK-20.
RK-21	Updated references.
RK-22	Updated references.
RK-23	Updated references.
RK-25	New multi-page standard. Replaces RK-25(1), RK-25(2) and RK-25(3). Changed reinforcing bar configuration and bent bar dimensions.
RK-25(1)	VOID. Replaced by RK-25.
RK-25(2)	VOID. Replaced by RK-25.
RK-25(3)	VOID. Replaced by RK-25.
RK-26	New multi-page standard. Replaces RK-26(1), RK-26(2) and RK-26(3). Changed reinforcing bar configuration and bent bar dimensions.
RK-26(1)	VOID. Replaced by RK-26.
RK-26(2)	VOID. Replaced by RK-26.
RK-26(3)	VOID. Replaced by RK-26.
RL INDEX	Revised page 1.
RL-1B	Modified Type "C" Placement detail.
RL-6	Complete redesign.
RL-14A	New multi-page standard. Replaces RL-14A(1) and RL-14A(2).
RL-14A(1)	VOID. Replaced by RL-14A.
RL-14A(2)	VOID. Replaced by RL-14A.
RM INDEX	Revised page 1.
RM-48	Showed that guardrail is optional for conventional floodlighting.
RM-49	VOID. Replaced by RM-48.

RR INDEX	Revised page 1.
RR-1	Added BT-3 joint to full-roadway-width patching and changed typical bar offsets.
RR-2	Added BT-3 joint to full-roadway-width patching.
RR-3	Added BT-3 joint to full-roadway-width patching.
RR-4	Added BT-3 joint to full-roadway-width patching and changed typical bar offsets. Added a new detail.
RR-5	Added BT-3 joint to full-roadway-width patching and changed typical bar offsets. Added a new detail.
RR-6	VOID.
RR-7	Modified pavement removal details and revised notes.
RR-10	Modified pavement removal details.
RR-13	Added BT-3 joint to full-roadway-width patching.
RR-14	Added BT-3 joint to full-roadway-width patching.
RR-17	Added BT-3 joint to full-roadway-width patching and corrected note 2.
RR-18	Added BT-3 joint to full-roadway-width patching and added option for full-depth PCC patch.
RR-19	VOID.
RR-21	Modified note for surface patch.
RS TAB	VOID. Replaced by TC Tab.
RS INDEX	VOID. Replaced by TC Index.
RS-1	VOID. Replaced by TC-1
RS-2	VOID. Replaced by TC-202
RS-3	VOID. Replaced by TC-213
RS-4	VOID. Replaced by TC-214
RS-5A	VOID. Replaced by TC-217
RS-5B	VOID. Replaced by TC-217
RS-5C	VOID. Replaced by TC-217
RS-5D	VOID. Replaced by TC-217
RS-5E	VOID. Replaced by TC-217
RS-6	VOID. Replaced by TC-216
RS-7	VOID. Replaced by TC-211
RS-8	VOID. Replaced by TC-253
RS-9	VOID. Replaced by Detail Sheet 520-55.
RS-10	VOID. Replaced by TC-253
RS-11	VOID. Replaced by Detail Sheet 520-54.
RS-12	VOID.
RS-13	VOID.
RS-14	VOID. Replaced by TC-203
RS-15	VOID. Replaced by TC-271
RS-16	VOID. Replaced by TC-272
RS-17A	VOID. Replaced by TC-282

RS-17B	VOID. Replaced by TC-282
RS-17C	VOID. Replaced by TC-282
RS-18	VOID. Replaced by TC-215
RS-19	VOID. Replaced by TC-273
RS-20	VOID. Replaced by TC-212
RS-26A	VOID. Replaced by TC-252
RS-26B	VOID. Replaced by TC-252
RS-27	VOID.
RS-29	VOID. Replaced by TC-251
RS-40	VOID. Replaced by TC-232
RS-41	VOID. Replaced by TC-432
RS-50A	VOID. Replaced by TC-62
RS-50B	VOID. Replaced by TC-62
RS-61	VOID. Replaced by TC-1
RS-62	VOID. Replaced by TC-402
RS-63A	VOID. Replaced by TC-418
RS-63B	VOID. Replaced by TC-418
RS-64A	VOID. Replaced by TC-419
RS-64B	VOID. Replaced by TC-419
RS-65A	VOID. Replaced by TC-420
RS-65B	VOID. Replaced by TC-420
RS-66(1)	VOID. Replaced by TC-61
RS-66(2)	VOID. Replaced by TC-61
RS-67A	VOID. Replaced by TC-61
RS-67B	VOID. Replaced by TC-61
RS-68A	VOID. Replaced by TC-61
RS-68B	VOID. Replaced by TC-61
RS-69	VOID. Replaced by TC-451
RS-72	VOID.
RS-73	VOID.
RS-74	VOID. Replaced by TC-403
RS-80	VOID. Replaced by TC-421
RS-81	VOID. Replaced by TC-423
RS-82	VOID. Replaced by TC-422
TC TAB	New.
TC INDEX	New.
TC MATRIX	New.
TC-1	New. Replaces RS-1, RS-61, and Detail Sheets 520-50 and 521-50.
TC-30	New.
TC-61	New. Replaces RS-66(1), RS-66(2), RS-67A, RS-67B, RS-68A and RS-68B.

TC-62	New multi-page standard. Replaces RS-50A and RS-50B.
TC-81	New. Replaces Detail Sheets 520-53, 521-53 and 521-54.
TC-202	New. Replaces RS-2.
TC-203	New. Replaces RS-14.
TC-211	New. Replaces RS-7.
TC-212	New. Replaces RS-20.
TC-213	New. Replaces RS-3.
TC-214	New. Replaces RS-4.
TC-215	New. Replaces RS-18.
TC-216	New. Replaces RS-6.
TC-217	New. Replaces RS-5A, RS-5B, RS-5C, RS-5D and RS-5E.
TC-228	New.
TC-231	New. Replaces Detail Sheet 520-51B.
TC-232	New. Replaces RS-40.
TC-233	New. Replaces Detail Sheet 520-41.
TC-251	New. Replaces RS-29.
TC-252	New multi-page standard. Replaces RS-26A and RS-26B.
TC-253	New multi-page standard. Replaces RS-8 and RS-10.
TC-271	New. Replaces RS-15.
TC-272	New. Replaces RS-16.
TC-273	New. Replaces RS-19.
TC-282	New multi-page standard. Replaces RS-17A, RS-17B and RS-17C.
TC-283	New. Replaces Detail Sheets 520-48 and 520-49.
TC-402	New. Replaces RS-62.
TC-403	New. Replaces RS-74.
TC-418	New. Replaces RS-63A and RS-63B.
TC-419	New. Replaces RS-64A and RS-64B.
TC-420	New multi-page standard. Replaces RS-65A and RS-65B.
TC-421	New. Replaces RS-80.
TC-422	New. Replaces RS-82.
TC-423	New. Replaces RS-81.
TC-429	New.
TC-431	New. Replaces Detail Sheet 521-51.
TC-432	New. Replaces RS-41.
TC-433	New. Replaces Detail Sheet 521-41.
TC-434	New. Replaces Detail Sheet 521-52.
TC-451	New. Replaces RS-69.
TC-454	New. Replaces Detail Sheet 521-15B.