May 28, 2020

Dear Standard Plan Book Holders:


The Michigan Department of Transportation has revised the subject standard plans as follows:

Standard Plan R-1-G
Added the term “minimum” to the wall thicknesses in the typical manhole detail on sheet one. On sheet two, eliminated the structure sizes on the details for the catch basin, inlet, and the two larger precast sumps and revised a note to reference the manhole details for size options. On sheet four, expanded the table of dimensions and revised the notes related to the details to cover the larger structure sizes added on sheets five through eight. Revised notes in the note section to allow the holes in a riser to be formed by scribing and specifying the maximum allowable pipe sizes entering or exiting drainage structures.

Standard Plan R-22-F
Added a detail for a ductile iron grate which is an alternative to the standard gray iron grate. Also, added a note, regarding optional bolting capability.

Standard Plan R-23-E

Standard Plan R-24-F

Standard Plan R-35-E
Revised section A-A on sheet two to show the curb ending a short distance down the slope, instead of extending the length of the spillway.

Standard Plan R-45-J
Revised the distance from the edge of slab farthest away from the bridge to the edge of longitudinal steel from 1' to 1’-6”. Reduced the distance from the edge of the slab nearest the bridge to the center line of the nearest reinforcing bar from 9” to 6”, which provides 3” of overhang, in addition to 3” of cover. Added “Detail B” for pavement/shoulder seats greater than 12” in depth.

Standard Plan R-84-A
New “detail” for mechanical joints for box culverts.

Standard Plan R-86-F
Revised notes on sheet two (joint & footing requirements) to address joint separation at culvert end sections. Also defined the meaning of the asterisks in the table of dimensions.

Standard Plan R-95-G
Revised a note on sheet three, regarding the required geotextile at the joint between the culvert and the sloped end section. Also revised a note on sheet six to call for a ¼” inscription depth (instead of ½”) for the outfall label for a concrete sloped end section.
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Standard Plan R-127-G  On sheets two and four, made minor modifications to the interchange
delineator detail and the delineator legend. On sheet five, revised the
curve spacing chart to address more curve radii, added a new curve
chart based on speed for layout when the curve radius is not known,
and revised the order of the “S” distances for delineator location. On
sheet eight, changed the post and reflector hole diameters to 3/4”,
revised the number of holes required on a post to a minimum number,
replaced references to a “normal” shoulder with an “aggregate
shoulder”, and made minor grammatical changes to clarify the
language. In the note section, provided an alternate method for
determining delineator offsets in the field.

Standard Plan B-26-F  Updated expansion splice details for HSS 2” x 2” x 1/8” tube on page
seven of eight. (This update has no structural bearing on the railing
system.)

Special Instructions:
For those choosing to maintain a loose leaf hard copy of the Standard Plans, the following assembly
instructions are provided. In addition to removing and replacing the appropriate standard plans with the
enclosed revisions remove standard plans R-15-F, R-27-E, R-32-E, R-33-F (a special detail has
superseded these plans) and R-51-E (obsolete plan).

*Note that in some cases it may be necessary to retain the outdated plans until all projects using these
superseded plans have been completed.*

Questions regarding revisions may be submitted by email to:

**MDOT-Road-Design-Standards@michigan.gov**

**MDOT-Bridge-Design-Standards@michigan.gov**

Sincerely,

Kristin Schuster  
Engineer of Design

Enclosures

BOD:DD:QA:WKP:raw

cc:  C. Libiran  W. Pikka  V. Zokvic  J. Hinkle  R. Welter