



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION**

PRODUCTION SUPPORT
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INSTRUCTIONAL BULLETIN NO. 26-06

New and Revised Standard Drawings

Part 1:

Effective Immediately, all new starts shall use the RD18 series. For active projects already in the line-and-grade phase, evaluate whether transitioning to RD18 would provide meaningful benefits while ensuring no adverse impacts to scope, schedule, or budget.

The existing Roadway Design Standard Drawings—RD11-SE, S, LR, and SD series—have been revised and reissued as the RD18-SE series (Typical Sections and Design Criteria), RD18-S series (Slope Development), RD18-LR series (Runoff Lengths), and RD18-SD series (Intersection Sight Distance) to ensure consistency with AASHTO's Policy on Geometric Design of Highways and Streets, 7th Edition (2018).

All TDOT references to RD11 have been updated to RD18 across Standard Roadway Drawings, the Roadway Design Guidelines (PDN), and the associated ORD cell. The New Standard Drawings are as follows:

New Standard Drawings:

10-101.00 STANDARD ROADWAY DRAWINGS

10-101.04 RD18 TYPICAL SECTIONS AND DESIGN CRITERIA

DRAWING NUMBER	REVISION DATE	DESCRIPTION
RD18-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD18-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD18-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD18-SE-3		SUPERELEVATION TRANSITION DETAILS FOR DIVIDED ROADWAYS

RD18-SE-3A

SUPERELEVATION TRANSITION SECTIONS FOR DIVIDED
ROADWAYS**10-101.05 RD18 SLOPE DEVELOPMENT AND RUNOFF LENGTHS**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
RD18-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS
RD18-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD18-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD18-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD18-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD11-SA-1		SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION

10-101.06 RD18 INTERSECTION SIGHT DISTANCE

DRAWING NUMBER	REVISION DATE	DESCRIPTION
RD18-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD18-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD18-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD18-SD-4		INTERSECTION SIGHT DISTANCE 4-LANE AND 5-LANE UNDIVIDED ROADWAYS
RD11-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD18-SD-6		INTERSECTION SIGHT DISTANCE 6-LANE DIVIDED HIGHWAYS

RD18-SD-7

INTERSECTION SIGHT DISTANCE FOR PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS

Part 2:

Effective with the September 23, 2026 Turn-In (December 4, 2026 Letting), the following Standard Drawings have been revised and released for use:

10-105.00 STORMWATER CONTROL MEASURES

10.105.01 VEGETATED FILTER STRIP, SWALE, BIO-SWALE, PERIMETER SAND FILTER, AND HYDRODYNAMIC SEPARATOR

DRAWING NUMBER	REVISION DATE	DESCRIPTION
D-SCM-5		SCM PERIMETER SAND FILTER
D-SCM-5A		SCM PERIMETER SAND FILTER TABLE
D-SCM-6		SCM HYDRODYNAMIC SEPARATOR

Revised Standard Drawings:

10-105.00 STORMWATER CONTROL MEASURES

10.105.01 VEGETATED FILTER STRIP, SWALE, BIO-SWALE, PERIMETER SAND FILTER, AND HYDRODYNAMIC SEPARATOR

DRAWING NUMBER	REVISION DATE	DESCRIPTION
D-SCM-1	07-31-26	SCM VEGETATED FILTER STRIP
D-SCM-1A	07-31-26	SCM VEGETATED FILTER STRIP TABLE
D-SCM-2	07-31-26	SCM GRASS SWALE
D-SCM-3	07-31-26	SCM BIO-SWALE (WITHOUT SCM UNDERDRAIN)
D-SCM-4	07-31-26	SCM BIO-SWALE (WITH SCM UNDERDRAIN)

10-106.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

10.106.05 FENCES AND RIGHT-OF-WAY MARKERS

DRAWING NUMBER	REVISION DATE	DESCRIPTION
S-RP-2	07-31-26	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

10-108.00 SAFETY DESIGN AND GUARDRAILS**10-108.06 GUARDRAIL (SPECIAL CASES)**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
S-GRS-4	07-31-26	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL

10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL**10-109.02 SLOPE DEVICES**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
EC-STR-34	07-31-26	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION

These Standard Drawings are listed in Chapter 10 of the Design Guidelines and are available on the website.

Links:

Standard Drawings:

<https://www.tn.gov/content/tn/tdot/state-engineering-technical-training/production-support/standard-drawings-library/standard-roadway-drawings.html>

Roadway Design Guidelines – PDN:

Chapter 10 Index of Standard Drawings is available online at this location:

<https://www.tn.gov/content/tn/tdot/state-engineering-technical-training/production-support/design-standards/design-guidelines2.html>

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September 14, 2026