



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

ROADWAY DESIGN DIVISION
SUITE 1200 JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-3848
(615) 741-2221

CLAY BRIGHT
COMMISSIONER

BILL LEE
GOVERNOR

INSTRUCTIONAL BULLETIN NO. 20-12

Regarding Revised Natural Stream Design and Concrete Median Barrier Standard Drawings.

Effective December 11, 2020 letting (September 30, 2020 Turn-in), the following Standard Drawings have been revised. The standard drawings have been added to the Roadway Design Guidelines, Chapter 10, Index of Standard Drawings and are available online.

Revised Standard Drawings:

10-103.00 NATURAL STREAM DESIGN

10-103.01 DEFLECTORS, VANES, AND ENERGY DISSIPATORS

DRAWING NUMBER	REVISION DATE	DESCRIPTION
D-NSD-13	05-01-20	LONGITUDINAL STONE TOE
D-NSD-21	05-01-20	BOULDER CLUSTERS
D-NSD-22	05-01-20	BOULDER CROSS VANE
D-NSD-23	05-01-20	BOULDER CROSS VANE WITH STEP
D-NSD-24	05-01-20	BOULDER W-WEIR
D-NSD-25	05-01-20	BOULDER VANES AND J-HOOK
D-NSD-26	05-01-20	LOG VANES, ROOT WADS, AND BOULDER J-HOOK
D-NSD-27	05-01-20	LOG AND BOULDER STEP POOLS
D-NSD-28	05-01-20	BOULDER RIFFLES
D-NSD-28A	05-01-20	LOG RIFFLES

D-NSD-29	05-01-20	CONSTRUCTED ALLUVIAL RIFFLE
D-NSD-30	05-01-20	SUBSTRATE RESTORATION
D-NSD-31	05-01-20	CLAY CHANNEL PLUG
D-NSD-32	05-01-20	WOOD TOE WITH GEO-LIFTS
D-NSD-32A	05-01-20	BOULDER TOE WITH GEO-LIFTS
D-NSD-33	05-01-20	COIR FIBER EROSION CONTROL BLANKET AND COIR FIBER ROLLS
D-NSD-34	05-01-20	LIVE STAKES AND LIVE SILTATION
D-NSD-35	05-01-20	LIVE FASCINES
D-NSD-36	05-01-20	BRUSH MATTRESS
D-NSD-37	05-01-20	SPECIAL NOTES FOR NATURAL STREAM DESIGN

10-106.00 SAFETY DESIGN AND GUARDRAILS

10-106.09 CONCRETE MEDIAN BARRIERS

S-SSMB-1	05-01-20	32" SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-2	05-01-20	51" SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-3	05-01-20	51" HALF SIZE SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-4	05-01-20	FLARED SINGLE SLOPE CONCRETE MEDIAN BARRIER WALL (VERTICAL BACK)
S-SSMB-5	05-01-20	SINGLE SLOPE MEDIAN BARRIER WALL CATCH BASIN DETAIL
S-SSMB-7	05-01-20	FOOTING DETAILS FOR OVERHEAD SIGN STRUCTURE 32" MEDIAN BARRIER WALL
S-SSMB-8	05-01-20	FOOTING DETAILS FOR OVERHEAD SIGN STRUCTURE 51" MEDIAN BARRIER WALL
S-SSMB-9	05-01-20	SINGLE SLOPE BARRIER WALL FOR GRADE SEPARATED MEDIAN

These standard drawings are located on the web site and in Chapter 10 of the Design Guidelines and can be found in the following links.

Standard Drawings:

<https://www.tn.gov/content/tn/tdot/roadway-design/standard-drawings-library/standard-roadway-drawings.html>

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

https://www.tn.gov/content/dam/tn/tdot/roadway-design/documents/design_guidelines/DG-C10.pdf

Jennifer Lloyd

Jennifer Lloyd, PE
Civil Engineering Director
Roadway Design Division

KJL:ARH:RBB:KD
May 7, 2020