



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

ROADWAY DESIGN DIVISION
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COMMISSIONER

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INSTRUCTIONAL BULLETIN NO. 20-21

Regarding Various Revised and New Standard Drawings

Effective May 7, 2021 letting (February 24, 2021 Turn-in), the following Standard Drawings have been revised and are new. The revised and new standard drawings have been revised in the Roadway Design Guidelines, Chapter 10, Index of Standard Drawings and are available online.

New Standard Drawings:

10-105.00 MULTIMODAL

10-105.03 SAFETY RAIL

DRAWING NUMBER	REVISION DATE	DESCRIPTION
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MM-VPR-1		VEHICLE AND PEDESTRIAN SAFETY RAIL
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10-106.00 SAFETY DESIGN AND GUARDRAILS

10-106.06 GUARDRAIL (SPECIAL CASES)

DRAWING NUMBER	REVISION DATE	DESCRIPTION
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S-GRS-5		SPECIAL CASE WEAK-POST GUARDRAIL ATTACHMENT TO CULVERT
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S-GRS-5A		WEAK-POST GUARDRAIL ASSEMBLY DETAILS FOR TYPE 1 & 2
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S-GRS-5B		WEAK-POST GUARDRAIL ASSEMBLY DETAILS FOR TYPE 3 & 4
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10-107.00 DESIGN – TRAFFIC CONTROL**10-107.02 WORK ZONES**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
T-WZ-PCB1		10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2		20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2A		20 FOOT PORTABLE CONCRETE BARRIER RAIL STIFFENER TUBE
T-WZ-PCB3		PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4		PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

Revised Standard Drawings:**10-101.00 PIPE CULVERTS AND ENDWALLS****10-101.03 SAFETY SIDE DRAIN ENDWALLS**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
D-SEW-1A	10-16-20	TYPE "SAFETY" SIDE DRAIN ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-SEW-12D	10-16-20	TYPE "SAFETY" SIDE DRAIN ENDWALL WITH STEEL PIPE GRATE, FOR 18" PIPE, 12:1 SLOPE

10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES**10-104.02 INTERSECTIONS**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
RP-D-15	10-16-20	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	10-16-20	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-R-1	10-16-20	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS

10-105.00 MULTIMODAL**10-105.03 SAFETY RAIL**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
MM-BPR-1	10-16-20	BIKE AND PEDESTRIAN SAFETY RAIL
MM-BPR-2	10-16-20	BIKE AND PEDESTRIAN MEDIAN BARRIER RAIL

10-106.00 SAFETY DESIGN AND GUARDRAILS**10-106.05 GUARDRAIL CONNECTIONS**

DRAWING NUMBER	REVISION DATE	DESCRIPTION
S-GRC-4	10-16-20	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
S-GRC-6	10-16-20	GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOW SPEED ROADWAYS

10-106.07 GUARDRAIL TERMINALS

S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND 21 TERMINAL
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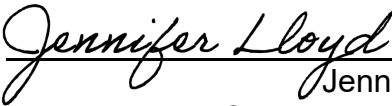
These standard drawings are located on the web site and in Chapter 10 of the Design Guidelines and can be found in the following links.

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, PE
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 Roadway Design Division