



Connecticut DOT

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Office of Engineering

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ENGINEERING BULLETIN

Division Chief, Highway Design

Revised Highway Standard & Guide Sheets Issued

Revised Highway Standard Sheets Issued

The following Highway Standard Sheets have been revised and are now available online at [Highway Standard Drawings web page](#) and should be used for all projects, effective immediately:

HW-905_01, STONE WALL, FARM AND WIRE FENCES

- Eliminated “Farm Wall Fence” drawing
- Moved “Wire Fence” drawing to separate new standard sheet titled “ HW-906 WIRE FENCE”
- Added elevation drawing of Stone Wall Fence
- Revised sheet title to “ HW-905_01 STONE WALL”

HW-906_01, WIRE FENCE – NEW STANDARD SHEET

- Expanded number of drawings to include; wire fence with wood post or metal post, construction of a pivot point and the 10 foot Brace Attachment section for both post types
- Added “ 9 Gauge Woven Wire Fence Spacing” detail
- Added “Metal Post in Rock” detail

HW-910_07 R-B BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET

- Revised pay limit to include second full w-beam
- Modified rail height measurement lower reference point
- Increase vertical separation distance between w-beams
- Removed “Detail D Height Transition” detail
- Removed all metric dimensions
- Removed General Notes 1,2,3,6,7 from sheet

HW-910_21 METAL BEAM RAIL (R-B MASH) GUIDERAIL

- Eliminated 1 foot typical guiderail offset indicated on the “No Curb Application”

HW-911_01 R-B END ANCHORAGE TYPE I AND II

- Eliminated General Note #1

HW-1800_01 GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (FLARE)

- Removed “Typical Section” detail
- Modified grading boundary limits including rate of change approaching the system.
- Added grade drawing for Impact Attenuation System (Tangential)
- Revised pay item description to match the specification and Department’s New Qualified Products List
- Revised both drawings for MGS rail configuration [w-beam splice off post]
- Revised Standard Sheet title to “HW-1800_01 GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)”

HW-1800_02 GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)

- Removed all traffic pavement markings from the standard sheet
- Extended process aggregate to be placed 12 inches beyond the face of the rail
- Removed detail parts of the CAT system to provide a more generic system with an impact head
- Provided pay limits for the attenuation system
- Removed “Shoulder Application” detail from sheet
- Eliminated Section C and D detail drawings
- Revised Section A detail; new pavement structure, eliminated rail height, referenced general note 1 grading requirements.
- Modified Section B detail to represent ramp profile being lower than the mainline profile

HW-1800_03 GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL)

- Combined grading plan for impact attenuation system (tangential) with flared system HW-1800_01
- Eliminated standard sheet HW-1800_03 “GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL)”

Revised Highway Guide Sheets Issued

The following Highway Guide Sheets have been revised or added to the Department's Highway Design Guide Sheets and are now available online at [Highway Standard Drawings web page](#) :

CONCRETE PAVEMENT REPLACEMENT (FULL DEPTH)

- ELIMINATED SHEET FROM GUIDE SHEET(S) - TO BE PROVIDED BY DESIGN SERVICE'S PAVEMENT MANAGEMENT UNIT

CTDOT BOUNDARY MARKER

- Updated old drawing on file requested by CENTRAL SURVEYS

PAVEMENT REPAIR

- New guide sheet developed to address Pavement Management's pavement recommendations for common repairs –requested by PAVEMENT MANAGEMENT

SIDEWALK RAMPS SHEET(S) 1, 2, 3, 4

- Replaced the existing four guide sheets with ten new guide sheets.

REINFORCED CONCRETE PAVEMENT FOR PRESSURE RELIEF JOINT

- For Note 1, revised pavement structure composition placed on concrete approach slab.
- Eliminated general note #2.
- Revised Note #3 regarding traffic levels language for HMA (new note#2).
- Added General Note #3 regarding use of Polymer Modified Asphalt.
- Eliminated installation of joint seal cut location in the HMA surface indicated just above the HMA pressure relief interface with concrete approach slab.
- Eliminated transverse contraction joint spacing dimensions.
- Changed drawing title from "Reinforced Concrete Pavement for Pressure Relief Joint" to "Pressure Relief Joint".

DGS-04 TYPE "C" & "C-L" AND ROUND PRECAST CONCRETE CATCH BASIN

- Revised note no. 9 to include reference to Drawing Nos. 10a, 10b or 10c for circular openings.

DGS-07 TYPE "C" & "CL" CATCH BASIN TOPS AND CURBS

- Errata

DGS-10 MANHOLE – FRAME & COVER

- Replaced existing sheet with; DGS-10a MANHOLE FRAME AND COVER, DGS-10b MANHOLE FRAME AND GRATE, DGS-10c REINFORCED PRECAST CONCRETE MANHOLE, AND DGS-10d MANHOLE NON-PRECAST CONCRETE UNIT
- Eliminated DGS-10 Manhole – Frame & Cover from guide sheets

CONCRETE WASHOUT

- New drawing requested by ENVIRONMENTAL PERMIT COORDINATION Unit

WIRE FENCE WITH GATES

- New drawing developed to address revised specification Section 9.06 WIRE FENCE requested by the Standard Specification Committee