

DATE: January 26, 2026
TO: Bridge Manual Users
FROM: DTSD – Bureau of Structures
SUBJECT: **January 2026 Bridge Manual Update**

The Bridge Manual revisions to text and standards are now complete and posted online for this six-month cycle. Please see the attached sheets for a list, with brief explanation, of the Text, Standards, Inserts and Blocks that were revised.

Of particular interest in this edition:

- **Chapters (numerous):** Updates based on the release of the AASHTO LRFD Bridge Design Specifications – 10th were included. Numerous LRFD references in the Bridge Manual were changed to reflect this.
- **New Insert Sheets - Prestressed Box Girders:** New inserts sheets to complement Standard Details 19.50 thru 19.56:
 - Prestressed Box Girder Sections (gpsbox.dwg)
 - Prestressed Box Girder Details 1 (gpsbox_det1.dwg)
 - Prestressed Box Girder Details 2 (gpsbox_det2.dwg)
 - Parapet Details for Prestressed Box Girder (gpsbox_PPT.dwg)

Additional Notes:

- Civil 3D Structure Blocks were updated 12/12/2025. For additional information, refer to C3DKB and the [January 2026 Block Details Update Summary](#).

Most other changes are fairly minor. Please use the example calculations with care (follow along in AASHTO).

A vertical black bar in the left margin notes all text changes.

The user's feedback regarding the Bridge Manual is important to us as that is where we get many ideas for corrections, clarification and new ideas for enhancement.

January 2026 Bridge Manual Text Update Summary

Chapter	Page Number(s)	Change
2	14	Added "Temporary Structure" bridge number guidance
	15	Clarified guidance between R-number and "minor retaining wall"
4	5,9,14,17	Added guidance to clarify parapets with rustications or recessed panels may be considered non-CSD.
8	10	Added note on falsework and reference to Chapter 18.1.2.
	14, 20, 27	Corrected typos (minor)
	21	Updated Table reference numbers and dune height ranges
	46	Added "y1" and updated "v1" for equation.
	50-51	Updated References
	54-58	Updated References and Links
9	27-31	Removed Section 9.12 Appendix - Draft Bar Tables (Informational only and based on 8th edition). For development and lap lengths, continue to follow Section 9.3 (based on 7th edition) until additional information is provided.
10	2,3	Replaced "WisDOT Geotech Bulletin No. 1" with "WisDOT Geotechnical Manual"
	2	Updated FHWA GEC5 reference to the most current version (2016)
14	41	Updated LRFD reference from [11.5.4] to [11.5.5]
	41	Updated LRFD reference from [11.11] to [11.12]
	42	Updated Table 14.4-2 (Source LRFD [Table 11.5.7-1])
	48,84,102, 107	Updated LRFD reference from [11.6.2.3] to [11.6.3.7]
	55	Corrected Nominal bearing resistance LRFD ref. to [10.6.3.1.2a-1]
	58	Minor LRFD reference correction
	62	Updated structural backfill limit to 3 feet offset to match Std. 9.02
	69	Added reference "FHWA-NHI-24-002"
	84	Updated LRFD reference from [11.10.4.3] to [11.10.5.6]
	88, 104	Corrected "degrees"
	90, 92	Updated reinforcement pullout equation with EV load factor
	91	Defined "Overall reinforcement surface area geometry factor"
	93	Clarified Tmax should be multiplied by the EV load factor
	93	Updated Table 14.6-3 - Resistance Factor for Tensile Resistance
18	4	Added context to concrete slab span limitations.
27	5,6,7,8,11	Added AASHTO References to point to where information within the Text came from
	6	Added Reference for new Table containing Constant Amplitude Fatigue Threshold which is now LRFD [Table 6.6.1.2.3-1]

	7	Added Creep and Shrinkage coefficient and pointed to where it appears as a WisDOT policy item
	8	Updated the requirements for the Elastomer Cover Layer Thickness per LRFD [14.7.6.1]
	8	Added reminder to check $S_i^2 / n < 20$ per LRFD [C14.7.6.1] as shown in the Example Problem
	9	Added reminder that the Compressive Deflection check per LRFD [14.7.6.3.3] must include the Dynamic Load Allowance per WisDOT policy item
	10	Added new Minimum Reinforcement thickness requirement per LRFD [14.7.5.3.5]
	11	Modified Reference to show new location of the Constant Amplitude Fatigue Threshold which is now LRFD [Table 6.6.1.2.3-1]
27E-1	2	Modified statement to say "Example is current through LRFD Tenth Edition - 2024"
	4,8	Added AASHTO References to point to where information within the Example came from
	3	Highlighted that Installation Temperature and Coefficient of Creep and Shrinkage are from a WisDOT Policy item
	3	Added <u>new</u> Table location for the Load Factor for Deformation caused by a Uniform Temperature which is now LRFD [Table 3.4.1-6]
	3	Added <u>new</u> relationship between internal and cover layer elastomer thicknesses
	5	Added calculation to check $S_i^2 / n < 20$ per LRFD [C14.7.6.1]
	6	Removed Compressive Stress check for Cover Layer because it only applies to Internal Layers for this calculation per LRFD [14.7.6.3.2]
	6	Calculated the Shape Factor for Cover Layer in order to use LRFD [Figure C14.7.6.3.3-1] to find strain and then Compressive Deflection values in this layer
	7	Added Reference to WisDOT Policy item to show where 1/8" Creep and Live Load Deflection Limit is stated
	8	Added Reference to show where WisDOT Exception to AASHTO for Anchorage Requirement is stated
	8	Added <u>new</u> Minimum Req'd. Reinforcement Thickness per LRFD [14.7.5.3.5]
	9	Modified Reference to show new location of the Constant Amplitude Fatigue Threshold which is now LRFD [Table 6.6.1.2.3-1]
	9	Added Reference to show where WisDOT Exception to AASHTO for Rotation Requirement is stated
	10	Added note clarifying slope of girder is "positive".
	11	Added note clarifying "positive" or "negative residual camber value.
	11	Highlighted an Additional Inclination check due to Grade line and Camber as required per a WisDOT Policy item
32	9	Added Section 32.7-High Mast Lighting
36	17	Corrected LRFD reference (Table 3.11.6.4.1-1)
	17	Corrected WBM reference (36.4.3)

	22	Added hyperlink to WBM reference (36.4.8)
	36	Corrected WBM reference (36.4.3)
	36	Corrected LRFD reference (Table 3.11.6.4.1-2)
40	45-59	Updated guidance based on the ACI 318-22 manual and AASHTO LRFD 10th Ed.

January 2026 Standard Details Update Summary

Chapter 4

- Std 4.01 ■ No revisions.
- Std 4.02 ■ No revisions.
- Std 4.03 ■ No revisions.
- Std 4.04 ■ Added Parapet Option "R5" showing a recessed panel
- Std 4.05 ■ No revisions.

Chapter 7

- Std 7.01 ■ No revisions.
- Std 7.02 ■ No revisions.
- Std 7.03 ■ No revisions.
- Std 7.04 ■ No revisions.
- Std 7.05 ■ No revisions.
- Std 7.06 ■ No revisions.
- Std 7.07 ■ No revisions.

Chapter 9

- Std 9.01 ■ No revisions.
- Std 9.02 ■ No revisions.
- Std 9.03 ■ No revisions.

Chapter 11

- Std 11.01 ■ Corrected CIP pile weld notes to include "B-U4a-GF"

Chapter 12

- Std 12.01 ■ No revisions.
- Std 12.02 ■ No revisions.
- Std 12.03 ■ No revisions.
- Std 12.04 ■ No revisions.
- Std 12.07 ■ No revisions.
- Std 12.08 ■ Added "Designer Note": Horizontal bars shall be "Class C" tension lap splice
- Std 12.09 ■ No revisions.
- Std 12.10 ■ No revisions.
- Std 12.11 ■ No revisions.
- Std 12.12 ■ No revisions.
- Std 12.13 ■ No revisions.

Chapter 13

- Std 13.01 ■ No revisions.
- Std 13.02 ■ No revisions.
- Std 13.03 ■ No revisions.
- Std 13.04 ■ No revisions.
- Std 13.05 ■ No revisions.
- Std 13.06 ■ No revisions.
- Std 13.07 ■ No revisions.
- Std 13.08 ■ No revisions.
- Std 13.09 ■ No revisions.
- Std 13.10 ■ No revisions.
- Std 13.11 ■ No revisions.

Chapter 14

- Std 14.02 ■ No revisions.
- Std 14.03 ■ No revisions.
- Std 14.04 ■ No revisions.
- Std 14.05 ■ No revisions.
- Std 14.11 ■ No revisions.
- Std 14.12 ■ No revisions.
- Std 14.13 ■ No revisions.
- Std 14.14 ■ No revisions.

Chapter 15

- Std 15.01 ■ No revisions.
- Std 15.02 ■ No revisions.
- Std 15.03 ■ No revisions.

Chapter 17

- Std 17.01 ■ No revisions.
- Std 17.02 ■ No revisions.
- Std 17.03 ■ No revisions.

Chapter 18

- Std 18.01 ■ No revisions.
- Std 18.02 ■ No revisions.
- Std 18.03 ■ No revisions.

Chapter 19

- Std 19.01 ■ No revisions.
- Std 19.02 ■ No revisions.
- Std 19.11 ■ No revisions.
- Std 19.12 ■ No revisions.
- Std 19.13 ■ No revisions.
- Std 19.14 ■ No revisions.
- Std 19.15 ■ Corrected bottom flange CLR from 1 7/8" to 7/8" (1/24 C3D conversion error)
- Std 19.16 ■ No revisions.
- Std 19.17 ■ No revisions.
- Std 19.18 ■ No revisions.
- Std 19.19 ■ No revisions.
- Std 19.20 ■ No revisions.
- Std 19.31 ■ No revisions.
- Std 19.32 ■ No revisions.
- Std 19.33 ■ No revisions.
- Std 19.34 ■ No revisions.
- Std 19.35 ■ No revisions.
- Std 19.36 ■ No revisions.
- Std 19.37 ■ No revisions.
- Std 19.38 ■ No revisions.
- Std 19.50 ■ No revisions.
- Std 19.51 ■ No revisions.
- Std 19.52 ■ No revisions.
- Std 19.53 ■ No revisions.
- Std 19.54 ■ No revisions.
- Std 19.55 ■ No revisions.

Std 19.56 ■ No revisions.

Chapter 23

Std 23.01 ■ No revisions.

Std 23.02 ■ No revisions.

Std 23.03 ■ No revisions.

Chapter 24

Std 24.02 ■ No revisions.

Std 24.03 ■ No revisions.

Std 24.04 ■ No revisions.

Std 24.06 ■ No revisions.

Std 24.08 ■ No revisions.

Std 24.09 ■ No revisions.

Std 24.10 ■ No revisions.

Std 24.11 ■ Added "Designer Note" to consider modified requirements when using HPC.
Duration may be reduced to 48 hrs when 0.75f'c is achieved.

Std 24.12 ■ No revisions.

Chapter 27

Std 27.02 ■ No revisions.

Std 27.05 ■ No revisions.

Std 27.06 ■ No revisions.

Std 27.07 ■ Updated "Designer Note" guidance for tapered top plates.

Std 27.08 ■ No revisions.

Std 27.09 ■ No revisions.

Std 27.10 ■ Added 'X'/2 dimensions to "Expansion Bearing Assembly" detail for brg. stiffener.

Chapter 28

Std 28.01 ■ No revisions.

Std 28.02 ■ No revisions.

Std 28.03 ■ No revisions.

Std 28.04 ■ No revisions.

Std 28.05 ■ No revisions.

Std 28.06 ■ No revisions.

Std 28.07 ■ No revisions.

Std 28.08 ■ No revisions.

Chapter 29

Std 29.01 ■ No revisions.

Std 29.02 ■ No revisions.

Std 29.03 ■ No revisions.

Chapter 30

Std 30.02 ■ No revisions.

Std 30.04 ■ No revisions.

Std 30.05 ■ No revisions.

Std 30.07 ■ No revisions.

Std 30.08 ■ No revisions.

Std 30.09 ■ No revisions.

Std 30.10 ■ Corrected spelling "Polyethylene"

Std 30.11 ■ No revisions.

- Std 30.12 ■ No revisions.
- Std 30.14 ■ No revisions.
- Std 30.15 ■ Updated Notes and added Designer Notes on post orientation. The designer to determine if the post shall be set vertical or normal to grade in the longitudinal direction.
- Std 30.16 ■ Added Designer Note "Plans shall specify anchor bolt lengths at each location."
 ■ Changed keyed note "3" to "3A", "3B", and "3C" for the respective bolt length.
- Std 30.17 ■ No revisions.
- Std 30.18 ■ No revisions.
- Std 30.19 ■ No revisions.
- Std 30.20 ■ No revisions.
- Std 30.21 ■ Section E-E and Section B-B (Sections with junction box with no light standard):
 Replaced vertical bar behind junction box with typical vertical parapet bar field cut at junction box.
- Std 30.22 ■ No revisions.
- Std 30.24 ■ No revisions.
- Std 30.25 ■ No revisions.
- Std 30.26 ■ No revisions.
- Std 30.27 ■ No revisions.
- Std 30.28 ■ No revisions.
- Std 30.29 ■ No revisions.
- Std 30.30 ■ No revisions.
- Std 30.31 ■ No revisions.
- Std 30.32 ■ No revisions.
- Std 30.33 ■ No revisions.
- Std 30.34 ■ No revisions.
- Std 30.35 ■ No revisions.
- Std 30.36 ■ No revisions.
- Std 30.37 ■ No revisions.
- Std 30.40 ■ No revisions.
- Std 30.41 ■ Added 1'-1" LEVEL dimension, updated parapet and sidewalk limits in "Detail D"

Chapter 36

- Std 36.01 ■ No revisions.
- Std 36.02 ■ No revisions.
- Std 36.03 ■ No revisions.
- Std 36.04 ■ No revisions.
- Std 36.05 ■ No revisions.
- Std 36.06 ■ No revisions.
- Std 36.07 ■ No revisions.
- Std 36.08 ■ No revisions.
- Std 36.10 ■ No revisions.
- Std 36.11 ■ No revisions.
- Std 36.12 ■ No revisions.
- Std 36.13 ■ No revisions.
- Std 36.14 ■ No revisions.
- Std 36.15 ■ No revisions.
- Std 36.16 ■ No revisions.

Chapter 37

- Std 37.01 ■ No revisions.
- Std 37.02 ■ No revisions.

Chapter 38

Std 38.01 ■ No revisions.

Chapter 39

Std 39.02 ■ No revisions.

Std 39.03 ■ No revisions.

Std 39.09 ■ No revisions.

Std 39.10 ■ No revisions.

Std 39.11 ■ No revisions.

Std 39.12 ■ No revisions.

Std 39.13 ■ No revisions.

Std 39.14 ■ No revisions.

Std 39.21 ■ No revisions.

Std 39.22 ■ No revisions.

Std 39.23 ■ No revisions.

Std 39.24 ■ No revisions.

Std 39.25 ■ No revisions.

Std 39.26 ■ No revisions.

Std 39.27 ■ No revisions.

Std 39.31 ■ No revisions.

Std 39.32 ■ No revisions.

Std 39.33 ■ No revisions.

Std 39.34 ■ No revisions.

Std 39.35 ■ No revisions.

Std 39.36 ■ No revisions.

Std 39.37 ■ No revisions.

Std 39.38 ■ No revisions.

Chapter 40

Std 40.01 ■ No revisions.

Std 40.02 ■ No revisions.

Std 40.03 ■ No revisions.

Std 40.04 ■ No revisions.

Std 40.05 ■ No revisions.

Std 40.06 ■ No revisions.

Std 40.07 ■ No revisions.

Std 40.08 ■ No revisions.

Std 40.09 ■ No revisions.

Std 40.10 ■ No revisions.

Std 40.11 ■ No revisions.

Std 40.12 ■ No revisions.

Std 40.13 ■ No revisions.

Std 40.14 ■ No revisions.

Std 40.15 ■ No revisions.

Std 40.16 ■ No revisions.

Std 40.17 ■ No revisions.

Std 40.18 ■ No revisions.

Std 40.19 ■ No revisions.

Std 40.20 ■ No revisions.

Std 40.21 ■ No revisions.

Std 40.22 ■ No revisions.

Std 40.23 ■ No revisions.
Std 40.24 ■ No revisions.
Std 40.25 ■ No revisions.
Std 40.26 ■ No revisions.
Std 40.27 ■ No revisions.
Std 40.28 ■ No revisions.
Std 40.31 ■ No revisions.
Std 40.32 ■ No revisions.
Std 40.33 ■ No revisions.
Std 40.34 ■ No revisions.
Std 40.40 ■ No revisions.
Std 40.41 ■ No revisions.
Std 40.42 ■ No revisions.
Std 40.43 ■ No revisions.

January 2026 Insert Sheet Update Summary

Chapter 19 - Prestressed Concrete

g28.dwg	Adjusted boarder sheet (out of alignment with other blocks) and notes (appeared off the sheet)
g36det.dwg	Updated Expansion Abutment (A3) backwall details
g36Wdet.dwg	Updated Expansion Abutment (A3) backwall details
g45det.dwg	Updated Expansion Abutment (A3) backwall details
g45Wdet.dwg	Updated Expansion Abutment (A3) backwall details
g54det.dwg	Updated Expansion Abutment (A3) backwall details
g54Wdet.dwg	Updated Expansion Abutment (A3) backwall details
g70det.dwg	Updated Expansion Abutment (A3) backwall details
g72Wdet.dwg	Updated Expansion Abutment (A3) backwall details
g82Wdet.dwg	Updated Expansion Abutment (A3) backwall details
gpsbox.dwg	New - Prestressed Box Girder Sections
gpsbox_det1.dwg	New - Prestressed Box Girder Details1
gpsbox_det2.dwg	New - Prestressed Box Girder Details 2
gpsbox_ppt.dwg	New - Parapet Details for Prestressed Box Girder

Chapter 30 - Railings

pptaelec.dwg	Changed S505 bar length from 6'-8" to 6'-3"
ss32.dwg	Made back of the parapet flush with the edge of approach slab
ss36.dwg	Made back of the parapet flush with the edge of approach slab
ss42.dwg	Made back of the parapet flush with the edge of approach slab
ss56app.dwg	Added edge of deck label
ss56elec.dwg	Changed anchorage embedment from 3'-11" to 4'-1". Changed C/L Bolt Circle dimension from 1'-2" to 1'-1". Changes now agree with Std. 30.21.

January 2026 Block Details Update Summary

Updated: 2025-12-12

<https://c3dkb.dot.wi.gov/>

Templates

Start-Up Template

- LAYOUT & GEO (decimal-ft) ■ No revisions.
- DETAILS (architectural-in) ■ No revisions.

Sheet Layouts - BOS

- SHEET 1 ■ No revisions.
- SHEET 2 ■ No revisions.
- SHEET 4 (GEOTECH) ■ No revisions.

Sheet Layouts - Consultant

- SHEET 1 ■ Updated sheet border to link sheet set (design ID and date)
- SHEET 2 ■ Updated sheet border to link sheet set (design ID and date)
- SHEET 4 (GEOTECH) ■ Updated sheet border to link sheet set (design ID and date)

Custom Tools

- Purge Non-Structures Styles ■ No revisions.
- Import Structures Layers ■ No revisions.
- Fix Annotation Scales ■ No revisions.
- Convert DGN Drawing ■ No revisions.
- Check Drawing Type ■ No revisions.
- Paste Table ■ No revisions.

Anno

Quick Annotations

- Dimension ■ No revisions.
- Decimal Dimension ■ No revisions.
- General Text ■ No revisions.
- Subtitle Text ■ No revisions.
- Title Text ■ No revisions.
- Multileader ■ No revisions.

Tables

- Table Template ■ No revisions.
- Paste Table ■ No revisions.

Standard Notes

- Keynote Multileader ■ No revisions.
- Note Callout ■ No revisions.
- Standard Bubble Notes ■ No revisions.

Symbols

- Symbols ■ No revisions.
- Numbered Symbols ■ Switched the layer of the wipeout behind the number from "B_ANNO_SYMB" to "B_ANNO_MASK"
- Revision Symbols ■ No revisions.
- Swirl ■ No revisions.
- Breakline ■ No revisions.
- Masked Arrow ■ No revisions.
- Section Mark ■ No revisions.
- Station Mark ■ No revisions.
- Weld Symbol ■ No revisions.
- Caution Symbol ■ No revisions.

Gen Plans

Sheet Layout

- Design Data ■ No revisions.
- Design Contacts ■ No revisions.
- Sheet List ■ No revisions.

Plan

- North Arrow ■ No revisions.
- Waterway Flow ■ No revisions.
- Lane Arrows ■ No revisions.
- Wing Note ■ No revisions.
- Station Mark ■ No revisions.
- Riprap ■ No revisions.
- Bench Mark ■ No revisions.

Elevation

- Cross Slope ■ No revisions.
- Waterline Symbol ■ No revisions.
- Fill Detail at Wings ■ No revisions.
- Riprap Toe Detail ■ No revisions.
- Elevation Scale ■ No revisions.

CS & Quan

Cross Section

- Cross Slope ■ No revisions.

Bid Items and Quantities

- Bid Items and Quantities Table ■ No revisions.

General Notes

- New Bridges ■ Updated removing structure bid item
- Overlays ■ No revisions.

Typical Details

- Abutment Backfill Diagram ■ No revisions.
- Abutment Backfill Details ■ No revisions.
- Rodent Screen Details ■ No revisions.

NEW *Profile Grade Line*

- Crest PGL ■ New - separated PGL types into different options
- Sag PGL ■ New
- Tangent PGL ■ New
- Bench Mark ■ No revisions.

Substr.

All Bridge Structures

- Standard Bubble Notes ■ No revisions.
- Rocker Bearing ■ No revisions.
- Beam Seat ■ No revisions.
- Beveled Keyway ■ No revisions.
- Pile Details ■ No revisions.
- Pile Elevations ■ No revisions.
- Batter Arrow ■ No revisions.

Abutments

- A1 Abutment Section ■ No revisions.
- Slope Paving ■ No revisions.
- Rodent Screen Detail ■ No revisions.

6 in Drain	■ No revisions.
Eyebolt	■ No revisions.
<i>Piers</i>	
Pier Column	■ No revisions.
Rustication Detail	■ No revisions.
Bevel	■ No revisions.
Precast Option	■ No revisions.

Rebar

Bar Detailing

Rebar Section	■ No revisions.
Deck Bar Callout	■ No revisions.
Stirrup	■ No revisions.
U-Bar	■ No revisions.
Rotated Stirrup & U-Bar	■ No revisions.
L-Bar	■ No revisions.
Development Lap	■ No revisions.
Hooked Bar	■ No revisions.
Parapet Bars	■ No revisions.
Rebar Sketch	■ No revisions.

Bill of Bars

Bill of Bars	■ No revisions.
Bundling Detail	■ No revisions.
All Bar Bends	■ No revisions.
L Bar	■ No revisions.
Stirrups	■ No revisions.
U Bar	■ No revisions.
Spiral	■ No revisions.
Z Bar	■ No revisions.
Hook	■ No revisions.
Double Hook	■ No revisions.
Hairpin	■ No revisions.
Hooked Hairpin	■ No revisions.
135 Bend	■ No revisions.
Hat	■ No revisions.
Abut Diaphragm	■ No revisions.
32SS Bars	■ No revisions.
36SS Bars	■ No revisions.
42SS Bars	■ No revisions.
56SS Bars	■ No revisions.

Super

Girder

Prestressed Shapes	■ No revisions.
Prestressed Girder Plan	■ No revisions.
Haunch Details	■ No revisions.
Shear Connection Details	■ No revisions.
Transportation Note	■ No revisions.

Concrete Slab

Section Thru Slab	■ No revisions.
Section Thru Slab with Paving Notch	■ No revisions.

Deck

Deck Section	■ No revisions.
Joint Details	■ No revisions.
Median Details	■ No revisions.
Polymer Overlay Transition	■ No revisions.
Floor Drain	■ No revisions.
Strip Seal Elevation	■ No revisions.
<i>Annotation</i>	
V Groove Note	■ No revisions.
Deck Bar Callout	■ No revisions.
TOD Elevation Table	■ No revisions.
Deflection Diagram	■ No revisions.
Tangent Offset Table	■ No revisions.

Barriers

Parapets and Barriers

Barriers	■ No revisions.
Parapet Transition	■ No revisions.
NEW SP Thrie Beam Structure Approach	■ New
Beamguard Anchor Assembly Detail	■ No revisions.
Section Thru Parapet on Super.	■ No revisions.

Fence and Railings

Fence and Railing	■ No revisions.
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Lights

Light	■ No revisions.
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Steel

Piles

CIP Piles	■ No revisions.
HP Piles	■ No revisions.
Sheet Pile	■ No revisions.
Elevations	■ No revisions.

Steel Shapes

Angle	■ No revisions.
Channel	■ No revisions.
HSS	■ No revisions.
MC Channel	■ No revisions.
Pipe	■ No revisions.
WF Beam	■ No revisions.

Bolts

Bolt Plan	■ No revisions.
Bolt Elevation	■ No revisions.
Anchor Rod	■ No revisions.
Washer	■ No revisions.

Other

Girder Stud	■ No revisions.
Rocker Bearing	■ No revisions.
Strip Seal Joint	■ No revisions.
Weld Symbol	■ No revisions.

Culvert

General Plan

Design Data and General Notes

- Fixed scale of "General Notes" title text, updated subtext for Q, V, Hw under 2-year frequency to say "2" instead of "100", updated general notes to reflect precast note changes

Backfill Note

- No revisions.

Backfill Details

- No revisions.

Misc. Notes

- No revisions.

Box Details

Header Bars

- No revisions.

Header Detail

- No revisions.

Joint Detail

- No revisions.

Apron Details

Cut Off Wall Detail

- No revisions.

Inlet Nose Details

- No revisions.

Joint Detail

- No revisions.

Name Plate Detail

- No revisions.

Precast Culvert

Precast Box Culvert

- No revisions.

Wall

Notes and Typical Section

Design Data

- No revisions.

General Notes & Data Tables

- No revisions.

MSE Wall Typical Section

- No revisions.

Elevation Detail

- No revisions.

Joint Detail

- No revisions.

Name Plate

- No revisions.

Details

Coping Section

- No revisions.

Anchor Slab Section

- No revisions.

Misc.

Structural Approach Slab

Typical Section

- No revisions.

Section Thru Corner

- No revisions.

Subsurface Exploration

Grid

- No revisions.

Boring Table

- No revisions.

Viewport

Outline

- No revisions.