

SUMMARY OF REVISIONS TO THE 2019 ROADWAY STANDARDS

The 2019 Standard Specifications for Highway Construction is the current specification for Oklahoma highway construction and Roadway Design is submitting the following summary of changes for the revised 2019 Roadway Standard Drawing, for your information and review.

Revised Standards Effective October 01, 2025			
Sheet Number	Standard	Revision	Status
R-10	TSB-	1	Revised
R-16	CSCD-6-	3	Revised
R-17	LECS-5-	3	Revised
R-25	PSMD-2-	3	Revised
R-26	SMD-4-	3	Revised
R-28	CET3S-1-	0	New Sheet
R-29	CET4S-4-	3	Revised
R-30	CET6S-4-	3	Revised
R-31	CET3D-1-	0	New Sheet
R-32	CET4D-4-	3	Revised
R-33	CET6D-4-	3	Revised
R-34	PCES-5-	2	Revised
R-36	CDIB-2-	3	Revised
R-37	CDIB30-2-	3	Revised
R-38	CDIP-2-	3	Revised
R-39	CDIP30-2-	3	Revised
R-40	GPI-5-	3	Revised
R-41	SSCD-4-	2	Revised
R-42	PCI-1-	2	Revised
R-43	PJB-	0	New Sheet
R-44	PGPI-	0	New Sheet
R-45	CI-2-	3	Revised
R-48	MFC-5-	2	Revised
R-53	PCDIB-	0	New Sheet
R-54	PCDIB30-	0	New Sheet
R-55	PCDIP-	0	New Sheet
R-56	PCDIP30-	0	New Sheet
R-69	DC-4-	2	Revised
R-78	WCR-4	3	Revised
R-79	TWD-2	3	Revised

Sheet Number: R-10**Temporary Sediment Basin**

Old Designation: TSB-0

New Designation: TSB-1

- Description:
- Changed second sentence in General Note #3 to: "Basin selection based on ODEQ high priority sites, as determined in OKR10 OPDES Permit. If the site is a high priority site, install basin downstream of disturbed drainage areas of 5 acres or more. Otherwise, install basin downstream of disturbed drainage areas of 10 acres or more."
 - Added Cross sectional D-D in Type I Basin plan detail.
 - Added Section D-D detail.
-

Sheet Number: R-16**Concrete Surfacing Construction Details**

Old Designation: CSCD-6-2

New Designation: CSCD-6-3

- Description:
- Removed "Notched 6" & 8" Barrier" integral curb typical section at bottom of standard
 - Removed the last note marked with a half filled-in circle next to the Integral Curb Typical Sections at the bottom of standard
 - In the plan detail of the concrete sidewalk, the note is revised to state "Dummy Joints 1/3 sidewalk depth, 1/8" wide, spaced @ 6' c/c. No sealant required."
-

Sheet Number: R-17**Joints and Sealers - Longitudinal, Expansion /Isolation and Contract**

Old Designation: LECS-5-2

New Designation: LECS-5-3

- Description:
- Under the five joint detail drawings in the upper right corner of the sheet, the second line that reads "Unless otherwise specified in the plans, only the silicone sealant options will be allowed." has been separated from the first line and a box has been drawn around it. This request was from Materials Division.
-

Sheet Number: R-25**Precast Standard Median Drain**

Old Designation: PSMD-2-2

New Designation: PSMD-2-3

- Description:
- Used to be R-28
 - Added Median Drain Concrete Apron Detail and Reinforcing Steel Location and Lengths Table, and Section F-F Drawing
 - Added General Note 15: "Cost of Apron materials (including reinforcing steel), labor, and installation shall be included in the price bid for precast smd inlet. For details of apron see roadway standard SMD-4."
 - Added General Note 16: "For grate dimensions and other details, refer to Roadway Standard SMD-4."
 - Added note "Cost of inlet grate shall be included in the price bid for the precast inlet. Cost of all Class A Concrete and reinforcing steel necessary for additional depth shall be included in the price bid for the precast smd inlet. SMD inlet additional depth data shall be noted in the plans." under the Basis of Payment Table.
-

Sheet Number: R-26**Cast-in-Place Standard Median Drains (18" to 36" Pipes)**

Old Designation: SMD-4-2

New Designation: SMD-4-3

Description: • Used to be R-29. All other information remains the same.

Sheet Number: R-28**Culvert End Treatment Single Pipe Installation 1 to 3 Safety Slope**

Old Designation: CET3S-1-

New Designation: CET3S-1-0

Description: • New Sheet

Sheet Number: R-29**Culvert End Treatment Single Pipe Installation 1 to 4 Safety Slope**

Old Designation: CET4S-4-2

New Designation: CET4S-4-3

Description: • Used to be R-30. All other information remains the same.

Sheet Number: R-30**Culvert End Treatment Single Pipe Installation 1 to 6 Safety Slope**

Old Designation: CET6S-4-2

New Designation: CET6S-4-3

Description: • Added another column under "Steel Length" in Table B. New column heading is Z-Bars and the values indicate the length of the z-bars needed for the CET. The z-bar is shown in the footing detail and in the plan detail (side drain).

• Used to be R-31

Sheet Number: R-31**Culvert End Treatment Double Pipe Installation 1 to 3 Safety Slope**

Old Designation: CET3D-1-

New Designation: CET3D-1-0

Description: New Sheet

Sheet Number: R-32**Culvert End Treatment Double Pipe Installation 1 to 4 Safety Slope**

Old Designation: CET4D-4-2

New Designation: CET4D-4-3

Description: • Added another column under *Steel Length* in Table B. The new column heading is "Z-bars" and the values indicate the length of the z-bars needed for the CET. The z-bar is shown in the footing detail and in the plan detail (side drain).

Sheet Number: R-33**Culvert End Treatment Double Pipe Installation 1 to 6 Safety Slope**

Old Designation: CET6D-4-2

New Designation: CET6D-4-3

- Description:
- Added another column under *Steel Length* in Table B. The new column heading is "Z-bars" and the values indicate the length of the z-bars needed for the CET. The z-bar is shown in the footing detail and in the plan detail (side drain).
 - Removed the last few words (for CET types) of the Table B title, so that the title should read *Table B- Schedule of Dimensions*. This matches with the other Table B titles on the other CET standards.
-

Sheet Number: R-34**Prefabricated Culvert End Sections**

Old Designation: PCES-5-1

New Designation: PCES-5-2

- Description:
- Revised several body types and 'H' dimensions in both the 'Dimensions of End Sections for Round Metal Pipe' table and 'Dimensions of End Sections for Metal Pipe - Arch' table, according to industry standard.
 - Added "Reinforced Edge" note and leader with arrow to both Round and Arch Metal Pipe End Section End Views.
 - Revised Type 2 Connection to say "For 30" to 84" Round and All Pipe Arch Sizes", per industry standard.
 - Revised Type 3 Connection note to include the words "For use with" at the beginning. Added another line to Type 3 Connection, stating: "Alternative to Type 2."
-

Sheet Number: R-36**Cast-In-Place Concrete Drop Inlets For R. C. Boxes (3' x 2' to 6' x 6')**

Old Designation: CDIB-2-2

New Designation: CDIB-2-3

- Description:
- One of the reinforcing steel bars was mis-labeled in Section C-C "Thru Inlet and Culvert" detail at the top of the sheet.
 - The symbol of inches (") was replaced with the word "inches" in General Notes 3, 4, and 5.
-

Sheet Number: R-37**Cast-In-Place Concrete Drop Inlets for 30 Deg. Skew R. C. Boxes (3'**

Old Designation: CDIB30-2-2

New Designation: CDIB30-2-3

- Description:
- In the top left detail drawing, the DL1 reinforcing steel bar (shown in the drawing on the bottom left) should have been extended out in the base of the inlet, as it's shown in the detail drawing to the right.
 - The symbol of inches (") was replaced with the word "inches" in General Notes 3,4, and 5.
 - The symbol of inches (") was replaced with the word "inches" in the top two bullet points in the box note of "Reinforcing for Additional Depth."
-

Sheet Number: R-38**Cast-In-Place Concrete Drop Inlet For 18" To 72" R. C. Pipes**

Old Designation: CDIP-2-2

New Designation: CDIP-2-3

- Description:
- The word "Traffic" along with a horizontal line with arrows at both ends was added above both plan drawings.
 - In the detail drawing of Section A-A of the inlet for smaller pipes, at the top of it, the designation of "H" reinforcing steel was changed to "H1".
 - In the large table at the bottom of the sheet, in the column heading "Standard Depth", the symbol of a filled-in circle inside a square was added. This refers the reader to the note above the table that says "Dimension for Standard Depth Drop Inlet to be (D+T+3)".
-

Sheet Number: R-39**Cast-In-Place Concrete Drop Inlet For 30 Deg. Skew 18" To 72" R.**

Old Designation: CDIP30-2-2

New Designation: CDIP30-2-3

- Description:
- The symbol for inches was replaced with the word "inches" in General Notes 2, 3, 4, and 5.
-

Sheet Number: R-40**Cast-In-Place Grated Pipe Drop Inlet (18" To 42" Pipes)**

Old Designation: GPI-5-2

New Designation: GPI-5-3

- Description:
- Added Apron Detail drawing and Apron Reinforcing Steel Location and Lengths table
 - Added General Note 4: "The concrete apron shall be constructed with Class C concrete and either 6x6 X W6.5 wire mesh or #4 bars at 18" spacing. Details of #4 bar steel placement can be found on the Roadway Standard SMD-4. Cost of apron shall be included in the cost of the structure."
-

Sheet Number: R-41**Storm Sewer Construction Details**

Old Designation: SSCD-4-1

New Designation: SSCD-4-2

- Description:
- Under the width dimension of both design plan views, removed the words "..minimum. See plans."
 - Added 30 degrees from perpendicular to the roadway to show the angle of the curb opening, in Plan Design 1 detail.
 - Moved "4 valley" note near the top of the Plan Design 1 detail, to the largest depth of the opening.
 - Replaced the last word in the note in the box at the top of the sheet from "valley" to "flume".
 - In the table of "Curb Opening - Class C Concrete Quantities", added another column under both designs with heading of "One 9" Long Curtain Wall", with their respective amounts of concrete in cubic yards.
 - Revised note under this table to state: "All quantities shown in this table are based on widths shown for each design and are for one 12" long curtain wall, one 9" long curtain wall and per foot of flume length."
-

Sheet Number: R-42**Precast Curb Inlet (Designs 1,2 and 3)**

Old Designation: PCI-1-1

New Designation: PCI-1-2

- Description:
- In the table "Schedules of dimensions and reinforcing steel", another column heading was added named "Curb Inlet" above all AH, AS, and AV bars, to denote where these rebars are located. Another column heading of "throat" was added above BV bars, to denote where the BV bars are
 - Added General Note #14: "Standard Depth for each pipe size is shown in Table 1. All costs for these standard depth inlets shall be included in the price bid of the inlet. For depths greater than standard depth, the pay item for "Additional Depth in Inlet", paid as vertical feet, shall be used.
 - The symbol for inches was replaced with the word "inches" in General Notes 3, 6, 9, 11, 12, and 13.
-

Sheet Number: R-43**Precast Junction Box (Keyed with Precast Curb Inlets)**

Old Designation: PJB-

New Designation: PJB-0

- Description:
- New Sheet
-

Sheet Number: R-44**Precast Grated Pipe Drop Inlet**

Old Designation: PGPI-

New Designation: PGPI-0

- Description:
- New Sheet
-

Sheet Number: R-45**Cast-In-Place Curb Inlets**

Old Designation: CI-2-2

New Designation: CI-2-3

- Description:
- Fixed tables and Section B-B detail drawing (lines not connecting with other lines).
 - The symbol after "depth" in the large table was moved slightly to the right, so as not to get mixed up with the words.
 - The note for all small "A" dimensions in Design 1 and 2 drawings, as well as Section A-A drawing, was moved out of the drawing, in order to see that dimension better.
 - The second symbol inside the word of "minimum" in the upper right table was removed.
-

Sheet Number: R-48**Manhole Frame And Cover**

Old Designation: MFC-5-1

New Designation: MFC-5-2

- Description:
- Added a note in a box with asterick at beginning to read: "Frame to be turned over when installed inside of paving."
 - The title of the cross-sectional view of the frame was changed from "Reversible Frame" to "Section through Frame, when installed out of paving." Both these changes, hopefully, will better help the reader to know that the same frame can be used, whether the manhole will be installed under paving or not.
-

Sheet Number: R-53**Precast Concrete Drop Inlets for R.C. Boxes (4'x2' to 5'x5')**

Old Designation: PCDIB-

New Designation: PCDIB-0

Description: • New Sheet

Sheet Number: R-54**Precast Concrete Drop Inlets for 30 Deg. Skew R.C. Boxes (4'x2' to 5**

Old Designation: PCDIB30-

New Designation: PCDIB30-0

Description: • New Sheet

Sheet Number: R-55**Precast Concrete Drop Inlets for 18" to 36" R.C. Pipes**

Old Designation: PCDIP-

New Designation: PCDIP-0

Description: • New Sheet

Sheet Number: R-56**Precast Concrete Drop Inlets for 30 Deg. Skew 18" to 36" R.C. Pipes**

Old Designation: PCDIP30-

New Designation: PCDIP30-0

Description: • New Sheet

Sheet Number: R-69**Paved Ditches and Flumes**

Old Designation: DC-4-1

New Designation: DC-4-2

Description: • Added 1:4 and 1:6 side slopes to Design No. 2 table, by naming them "Design 2D" and "Design 2E, respectively. Their associative K1 and K2 quantities were also added.

- Added General Note #14: "Standard depth for each pipe size is shown in Table 1. All costs for these standard depth inlets shall be included in the price bid of the inlet. For depths greater than standard depth, the pay item for "Additional depth in inlet", paid as vertical feet, shall be used.
- Replaced the symbol of inches with the word "inches" in General Notes 3, 6, 9, 11, 12 and 13.

Sheet Number: R-78**Wheelchair Ramps**

Old Designation: WCR-42

New Designation: WCR-43

Description: • Used to be R-25. All other information remains the same.

Sheet Number: R-79**Tactile Warning Devices**

Old Designation: TWD-22

New Designation: TWD-23

Description: • Used to be R-26. All other information remains the same.
