



Oregon

Kate Brown, Governor

Department of Transportation

Technical Leadership Center
ODOT Bridge Section MS #4
4040 Fairview Industrial Dr. SE
Salem, OR 97302

November 22, 2019

To: Users of Oregon DOT Bridge Design Manual and Bridge CAD Manual

Subject: Revisions to the ODOT Bridge Design Manual and Bridge CAD Manual

The ODOT Bridge Design Manual (BDM), 2019 has been updated with several revisions. The revised BDM is being released in web-based Acrobat files, which can be accessed at the following web site:

<http://www.oregon.gov/ODOT/Bridge/Pages/Bridge-Design-Manual.aspx>

The revised BDM can be viewed from the site, or downloaded and printed. See the attachment for update summary.

These revisions apply to new design projects as of the effective date of December 1, 2019. New projects for ODOT designed projects are those that do not have an approved DAP by the effective date. New projects for outsourced projects are those that do not have an executed work order contract for PE. However, existing projects may make use of these revisions, if agreed to by the Agency Project Manager or Project Team Leader.

We are always interested in comments or suggestions on any of the provisions in the BDM. Please send comments or suggestions to Rebecca Burrow at:
Rebecca.BURROW@odot.state.or.us

Raymond Mabey
State Bridge Engineer

Attachment: BDM Update Summary October 2019

2019 October Update
ODOT Bridge Design Manual & Bridge CAD Manual

Update Summary

The following revisions are in reference to current BDM section numbers:

Section 1 – Design and Detailing Practices

- 1.2.2 Design Deviations and Design Exceptions – Add information about process for Design Exceptions and correct contact information.
- 1.9.4 Deck Overlays – Update to match revised specifications.
- 1.12.1 Culvert Design – Add guidance for precast box culvert construction and for railings on culverts.
- 1.13.1.3 Vehicular Railing – Update Rail Standards table.
- 1.13.1.4 Railing Loads – Update guidance for overhang design.
- 1.23.1 Bridge End Panels – Update guidance for end panels on existing bridges. Also update guidance for skewed end panels.
- 1.26.4 Waterproofing Membranes – Updates to match 1.9.4.

Section 2 –

- 2.8.2 Bridge ID Markers - Provide additional guidance for information source.

Section 3 – Procedures and Layout

- 3.10.7 Calculation & Calculation Books – Add guidance for when to produce a calculation book and when to get a number.
- 3.12.5.2 Final Calculation Books – Add guidance for when to update calculation books.