Oregon
John A. Kitzhaber, M.D., Governor

Department of Transportation
Technical Leadership Center
ODOT Bridge Section MS #4
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FILE CODE:

October 3, 2014

To: Users of Oregon DOT Bridge Design and Drafting Manual

Subject: Revisions to the ODOT Bridge Design and Drafting Manual

The ODOT Bridge Design and Drafting Manual (BDDM), 2013 has been updated with several revisions. The revised BDDM is being released in web-based Acrobat files, which can be accessed at the following web site:

http://www.oregon.gov/ODOT/HWY/BRIDGE/Pages/standards_manuals.aspx

The revised BDDM can be viewed from the site, or downloaded and printed. The revisions consist of 8 articles listed in the attachment.

These revisions apply to new design projects as of the effective date of October 6, 2014. 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 BDDM. Please send comments or suggestions to Emily Maurer at: Emily.Maurer@odot.state.or.us

B Johnson

Bruce V. Johnson
State Bridge Engineer

Attachment: BDDM Proposed Update Summary October 2014

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October 2014 Update
ODOT Bridge Design & Drafting Manual

Update Summary

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

Section 1 – Design and Detailing Practices

1.3.4 Loads and Distribution – Reformat section to be compatible with LRFD format.

1.5.6.2 Precast Prestressed Concrete Elements – Provide guidance on intermediate diaphragm placement.

1.9.1 Deck Design and Detailing – P/T anchorage exception to the #6 bar limit in deck reinforcement.

1.10.5.5(12) Drilled Shaft Reinforcement – Clarify drilled shaft reinforcing requirements.

1.10.5.5(14) Drilled Shaft Cover Requirements – Address shaft vs column size & spacing between rebar cages to be feasible with all shaft diameters.

1.13.1 Bridge Rail – Provide guidance on design deviations and exceptions, provide crash test data and clarify crash test requirements.

1.26.5 Pile Corrosion Protection – Provide pile corrosion rates for foundation design and guidance on methods of protecting piles.

1.30.2 Strengthening of Bridges – Specify FRP strengthening system material data in to assist future evaluation and load rating.

Section 2 – Drafting Practices

None.

Section 3 – Procedures and Layout

None.