



# Oregon

Theodore R. Kulongoski, Governor

**Department of Transportation**

Transportation Building  
355 Capitol St. NE, Rm. 301  
Salem, OR 97301-3871

FILE CODE:

June 5, 2006

To: Users of Oregon DOT Bridge Design and Drafting Manual  
Users of Oregon DOT Foundation Design Practices and Procedures  
Users of Oregon DOT Seismic Foundation Design Practice

**Subject: Changes to the ODOT Bridge Design and Drafting Manual and Foundation Design Practices**

The ODOT Bridge Design and Drafting Manual, 2004, has been updated with several changes and additions. The new changes include revisions to 27 sections and 2 new sections of the Manual. The revised Manual is being released in web-based Acrobat files, which can be accessed at the following web site:

[http://www.oregon.gov/ODOT/HWY/BRIDGE/standards\\_manuals.shtml](http://www.oregon.gov/ODOT/HWY/BRIDGE/standards_manuals.shtml).

The Manual and changes can be viewed from the site, or downloaded and printed. The changes are listed in the attachment.

ODOT has adopted the use of the new 2006 AASHTO LRFD interim revisions for use in the design of foundations. The existing ODOT Foundation Design Practices and Procedures document may still be used for allowable stress design of foundations until April, 2007. After April, 2007, the LRFD design code shall be used for all foundation designs. ODOT will be publishing a Geotechnical Design Manual later this year which will contain additional LRFD policies and provisions related to the design of foundations. A link to this manual will be provided on this web site when this manual becomes available.

The BDDM changes and the new AASHTO 2006 interim revisions for design of foundations will apply to new design projects as June 5, 2006. However, some of the changes may benefit and improve on-going projects. Existing projects may make use of the new changes, at the discretion of the CPM or Project Team Leader, and negotiated as a change to the WOC, design-build contract, or project design criteria.

For questions and comments about the changes or the change process, please contact Kevin Davidson, or Bruce Johnson.

Links to the November 2005 BDDM, April 2005 BDDM, October 2004 BDDM, and the September 2003 Office Practice Manual will remain on the web site for projects already underway. New projects that have not started design work or are not yet under design contract are expected to be done in accordance with the new April 2006 BDDM, where feasible.

**DEVIATIONS:** When different standards or methods than those allowed in the BDDM or Foundation Practice are desired or needed, a deviation must be requested by E-mail to Kevin Davidson, BDDM coordinator, or to Bruce Johnson, State Bridge Engineer. The Deviation Request should be sent from the project leader or Consultant Project Manager through the responsible Tech Center or BDU. An E-mail approval will then be sent to the requesting project leader or CPM, and the Tech Center Manager or BDU Manager.

The BDDM and Foundation Design Practice will be reviewed again within one year to assess any needed changes. Please forward any comments for clarifications and proposed revisions to either Kevin Davidson (design), Jeff Silbernagel (drafting) or Jan Six (foundations). Suggestions for changes will be reviewed by Bridge Engineering Section, the Bridge Leadership Team and will be posted on the Web Site for comment by users of the Manual before being incorporated into the Manual.

For questions and comments about the Manual, please contact either of the following individuals at: Kevin Davidson 503.986.3342 [Kevin.F.DAVIDSON@odot.state.or.us](mailto:Kevin.F.DAVIDSON@odot.state.or.us) for design related issues, Jeff Silbernagel 503.986.3362 [Jeffrey.SILBERNAGEL@odot.state.or.us](mailto:Jeffrey.SILBERNAGEL@odot.state.or.us) for drafting practice related issues, or Jan Six 503.986.3377 [Jan.L.Six@odot.state.or.us](mailto:Jan.L.Six@odot.state.or.us).



Bruce Johnson  
State Bridge Engineer

BVJ/jdj

Attachment: BDDM Updates Summary.doc