

BEFORE THE BOARD OF COUNTY COMMISSIONERS OF LANE COUNTY, OREGON

ORDER NO. 12- 04- 4 - 6

IN THE MATTER OF AMENDING CHAPTER 15 OF  
THE LANE MANUAL REGARDING DESIGN  
STANDARDS AND RECONGNIZED ENGINEERING  
GUIDELINES (LM 15.450)

The Board of County Commissioners of Lane County orders as follows:

Lane Manual Chapter 15 is hereby amended by deleting and adding the following section:

**REMOVE THIS SECTION**

15.450  
as located on page 15-14  
(a total of 1 page)

**INSERT THIS SECTION**

15.450  
as located on page 15-14  
(a total of 1 page)

The affected section is attached to this order and incorporated by reference. The purpose of this deletion and addition is to update the design standards and recognized engineering guidelines set forth in Lane Manual section 15.450.

Adopted this 4<sup>th</sup> day of April, 2012.

  
Sid Leiken, Chair,  
Lane County Board of Commissioners

APPROVED AS TO FORM

Date 3-7 Lane County

OFFICE OF LEGAL COUNSEL

**15.450 Minimum Road Design Standards/Recognized Engineering Guidelines.**

(1) Roads within Lane County shall be designed and developed pursuant to the procedures and requirements of LC Chapter 15, with guidance from applicable policies set forth in LM Chapter 15.

(2) In the absence of a county-adopted standard for a particular design element, the following publications provide the basis for road design, construction, signing and marking decisions. While these documents are listed in the Transportation System Plan and in LC Chapter 15, Lane Manual includes the publication date of each document below, so the publication dates may be updated by Board Order as newer versions are published:

(a) The following documents published by the American Association of State Highway and Transportation Officials (AASHTO):

(i) A Policy on Geometric Design of Highways and Streets (2011);

(ii) Roadside Design Guide (4<sup>th</sup> Edition, 2011)

(iii) Guidelines for Geometric Design of Very Low Volume Local Roads (ADT < 400) (2001); and

(iv) Guide for Design of Pavement Structures (4<sup>th</sup> Edition, With 1998 Supplement).

(b) The *Manual On Uniform Traffic Control Devices* (MUTCD), (2009) published by the Federal Highway Administration. (It should be understood that this reference includes Oregon Supplement to the 2009 Edition adopted by the Oregon Transportation Commission pursuant to Oregon Revised Statutes 810.200 and the corresponding Oregon Vehicle Code 810.200(1));

(c) The following documents published by the Oregon Department of Transportation (ODOT) and the American Public Works Association (APWA), Oregon Chapter:

(i) Oregon Standard Specifications for Construction (ODOT & APWA, 2008);

(ii) Oregon Standard Drawings (ODOT & APWA, 2008);

(iii) *ODOT Highway Design Manual* (2003);

(iv) *ODOT Hydraulics Manual* (2011);

(v) *ODOT Erosion Control Manual* (2005);

(vi) *Oregon Bicycle and Pedestrian Plan* (ODOT, 1995);

(vii) *1999 Oregon Highway Plan* (ODOT).

(d) The *Highway Capacity Manual 2010* published by the Transportation Research Board.

(e) The *Trip Generation*, 8<sup>th</sup> Edition manual published by the Institute of Traffic Engineers. (Revised by Order No. 04-5-5-8, Effective 6.4.04)

At left margin indicates changes

**Bold** indicates material being added

~~Strikethrough~~ indicates material being deleted

15.450

Lane Manual

15.450

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(~~2001~~2011);

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APWA, ~~2002~~2008);

(ii) Oregon Standard Drawings (ODOT & APWA, ~~2002~~2008);

(iii) *ODOT Highway Design Manual* (~~2002~~2003);

(iv) *ODOT Hydraulics Manual* (~~1999~~2011);

(v) ~~ODOT Hydraulics Manual, Volume 2 (Erosion and Sediment Control) (1999);~~ **ODOT Erosion Control Manual (2005);**

(vi) *Oregon Bicycle and Pedestrian Plan* (ODOT, 1995);

(vii) *1999 Oregon Highway Plan* (ODOT).

(d) The *Highway Capacity Manual 2000-2010* published by the Transportation Research Board.

(e) The *Trip Generation*, 7<sup>th</sup>-8<sup>th</sup> Edition manual published by the Institute of Traffic Engineers. (*Revised by Order No. 04-5-5-8, Effective 6.4.04*)