

## Appendix 5. List of Useful References

1. **Oregon Forest Practices Rules and Statutes.** Oregon Department of Forestry, Forest Practices Program. January 2000 (or later version if available).

This is a complete listing of the forest practices rules and statutes that apply to state owned forestland. It provides the regulatory requirements for all forest operations including regulation for road construction, road improvement, road maintenance, and the vacating of forest roads. These regulatory requirements are the minimum standard for forest roads on state-owned forestland.

2. **Forest Practices Field Guide.** Oregon Department of Forestry. 1999

This notebook provides guidance on complying with the regulatory requirements of the Oregon Forest Practices Rules and Statutes. It is a useful field reference.

3. **Forest Road Management Guidebook.** Oregon Department of Forestry, Forest Practices Program. January 2000

This guidebook provides helpful checklists, ideas and suggestions, related to road improvement, road maintenance, and vacation of forest roads. It is useful reference when planning the repair and maintenance of forest roads.

4. **Oregon Road/Stream Crossing Restoration Guide:** Advanced Fish Passage Training Version. Oregon Department of Forestry, Spring 1999 (or later version if available)

The primary purpose of this document is to provide guidelines to managers that are assessing, planning, designing, or installing repairs or replacements for road/stream crossings that will provide for optimum fish passage. It provides useful information on the biological elements of fish passage, fish passage hydrology and hydraulics, steps in restoring fish passage, and background on culvert/bridge sizing methods. This is an important reference when repairing or replacing stream crossing that are partially or totally blocking fish passage or when installing stream crossings on new road construction.

5. **Handbook of Steel Drainage & Highway Construction Products:** Prepared under direction of the HIGHWAY TASK FORCE for Committee of Galvanized Sheet Producers Committee of Hot Rolled and Cold Rolled Sheet and Strip Producers.

This reference book provides design information on steel culverts and other drainage products as well as some other construction products. There is useful information on fill heights, pipe gages, arch pipes, structural plate culverts, coupling bands, and hydraulic formulas.

6. **Standard Specifications for Highway Construction:** ODOT State Highway Division 1996 or newer.

This reference contains useful specifications for various types of crushed rock, rip rap, drain rock, rock tests, Bridge specifications, various drainage structures, concrete specification, geotextiles and slope protection. Be careful in the use of highway specifications used for forest roads, many of these need to be altered slightly to fit forest road uses.

7. **AASHTO/ASTM testing methods:** Available from Oregon State Highway Division testing lab.

Test methods are described for various crushed rock products to test for durability, unit weight, and specific gravity, sieve analysis of fine and coarse aggregates and many other tests. These may be useful in analyzing rock sources and rock products to produce from quarries.

8. **Road Design Handbook:** A handbook prepared principally for the design of secondary roads. This 1971 book was sponsored by federal agencies such as the USFS and BLM.

This book provides instruction on some of the road design procedures and calculations. Although the book is several decades old it still contains good information on the basics of designing a forest road. Many of the hand calculations can now be done by computer, but by knowing how the hand calculations are done the reader will get a better appreciation for what goes on inside the computer program.

9. **A Road Design Process for Low Volume Recreation and Resource Development Roads:** Written by Brian Kramer an Oregon State University Forest Engineering Instructor. Available from the OSU book store.

This is much like the 1971 **Road Design Handbook** only much newer material is presented.