

# ODOT Traffic-Roadway Section | Highway Design Manual

## Preface

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# 2024 HIGHWAY DESIGN MANUAL

## PREFACE

The Highway Design Manual provides uniform standards and procedures for the Oregon Department of Transportation (ODOT). It is intended to provide the standards and guidance for the design of all projects, and is used in conjunction with Technical Bulletins, Technical Directives, Technical Advisories, and relevant guidance documents. It is generally in agreement with the American Association of State Highway and Transportation Officials (AASHTO) document “A Policy on Geometric Design of Highways and Streets – 2018”. However, sound engineering judgment must continue to be a vital part in the process of applying the design criteria to individual projects. The flexibility contained in the Highway Design Manual supports the use of Performance-Based Practical Design concepts and Context Sensitive Design practices.

The Highway Design Manual is to be used for all projects that are located on the State highways. National Highway System or Federal-aid projects on roadways that are under the jurisdiction of cities or counties will typically use the 2018 AASHTO design standards or ODOT 3R design standards. State and local planners will also use the manual in determining design requirements as they relate to the state highways in Transportation System Plans, Corridor Plans, and Refinement Plans.

Use of the 2024 Highway Design Manual is required on all projects with the Plans, Specifications, and Estimates (PS&E) milestone on and after March 1, 2024. Projects that reach the PS&E milestone before March 1, 2024 may implement the 2023 or 2024 Highway Design Manual. The 2024 Highway Design Manual will replace previous versions of the Highway Design Manual. It is not a legal document.



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Chief Engineer

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### ACKNOWLEDGEMENTS

Many teams and individuals contributed to this body of work in writing and reviewing. This effort was completed in addition to the existing workload those people have and that is very much appreciated by the users of this manual.

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Federal Highway Administration, Oregon Division reviewed and approved the use of this manual.

The Roadway Engineering Unit in the Engineering and Technical Services Branch led the effort in writing, editing, and formatting the text of this document. Specifically, these dedicated individuals:

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