

# Chapter 1

## Introduction & General Information

### Introduction

The Bridge Applications Manual is intended to be the primary source of information on detailing and management practices of the Wyoming Department of Transportation's Bridge Program. Other sources of information may need to be consulted. For uniformity and consistency of the final product, the methods and practices stated in this manual should be followed, unless special conditions warrant otherwise.

This manual is a guide for the preparation of common structural projects and because of the many variations possible in plan preparation, literal conformation may not be feasible. In these applications, sound engineering judgment must be used.

The use of this manual does not relieve the designer or detailer of his or her responsibility, nor should it act as a restriction or inhibitor of imagination and new ideas.

### General Information

This manual is divided into several chapters outlining various parts of the detailing and management processes. Throughout this manual, words in the text are capitalized and in bold to indicate that the following text pertains to that subject.

All **PROJECT DOCUMENTATION** shall be in an accurate, clear, and reproducible form. The project title, station(s), reference marker(s), road, design project number, account number, initials of the person performing the work, sheet number and number of total sheets, and date shall be shown at the top of each sheet within a design or set of quantity calculations.

Each design and detail shall be **CHECKED** by marking the correct work with a yellow marker and the incorrect work circled with corrections noted in red. The designer or detailer shall make the corrections he or she agrees with and note in a different colored marker that these corrections were made. This process is repeated until the design or detail is satisfactory. Upon completion, the detail shall be "**FINAL CHECKED**" by the Squad Team Leader or another designated individual. It is the responsibility of the

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designer, detailer, and detail checker to produce designs and drawings that are complete, readable, and free of errors. The final design and set of plans shall be stamped with a licensed Professional Engineer's stamp. The design shall be stamped by a licensed Professional Engineer who worked on the project; the plans shall be stamped by the Squad Team Leader.

The order of a set of Bridge Program detail sheets for new structures shall follow the same order as the Sections of Chapter 4 - Bridge Program Drawings. For rehabilitations, the order of sheets should follow the sequence of construction or the preference of the Squad Team Leader.