

PREFACE

The Arizona Department of Transportation (ADOT) Bridge Design Guidelines are intended to supplement and provide interpretation of the AASHTO LRFD Bridge Design Specifications 8th Edition, 2017. These guidelines provide for consistency of bridge design throughout Arizona. Any deviation of these guidelines requires approval of the ADOT Bridge Group.

Adhering to these guidelines does not relieve the design engineer from the responsibility of applying sound engineering principles throughout the design of a bridge or any structural component. While the guidelines apply to the majority of bridge design issues in Arizona, they are not intended to be exhaustive. Structure Detail Drawings shall be used whenever applicable. They may be downloaded from ADOT Bridge Group website. Design engineers should follow the instructions, which are included on the website, regarding the proper usage of these drawings.

The numbering of the Sections in this document is intended to match the numbering of the Sections in the AASHTO LRFD Bridge Design Specifications. Sub-Section numbers will be skipped whenever additional guidance to the AASHTO specifications is not required. In some instances, the same or similar language from the AASHTO specifications will be repeated in this document for emphasis or for ease of reference and clarification. Topics that are not covered by the AASHTO Specifications are included at the end of corresponding Sections without numbering references. Definitions and notations are only included if not covered by the AASHTO Specifications.