

SECTION 4: STRUCTURAL ANALYSIS AND EVALUATION

TABLE OF CONTENTS

| | |
|---|----------|
| 4.1 Scope | 2 |
| 4.6 Static Analysis | 2 |
| 4.6.2.2.2 Distribution Factor Method for Moment and Shear | 2 |

4.1 SCOPE

This Section contains guidelines to supplement provisions of Section 4, Structural Analysis and Evaluation, of the AASHTO LRFD Bridge Design Specifications. These provisions apply to the design and evaluation of bridges.

4.6 STATIC ANALYSIS

4.6.2.2.2 Distribution Factor Method for Moment and Shear

When calculating live Load Distribution Factors (LLDF), a refined analysis may be required whenever a variable falls outside the “range of applicability” as provided in the AASHTO LRFD Bridge Design Specifications. Approval from Bridge Group may be obtained to waive the need for refined analysis if the value of the parameter is close to the limit provided in the LLDF table or other supporting documentation is provided. The Level Rule may be used as a conservative alternative.