

SCDOT Load Rating Process Training Course Outline

Columbia, SC

May 27, 2020

8:00-12:00

1. Introduction

- Instructors
- Overview of the Training
- Objectives
- Training Course Schedule

2. Introduction to Load Rating of Highway Bridges

- Understanding the FHWA Requirements for Load Rating
- Demonstrate the LRFR Process and the General Load Rating Equations

3. Load Rating Guidance Document (LRGD) Highlights

- Chapter 4 – Load Rating Process
- Chapter 6 – General Requirements
 - Loading Types
 - Standard Vehicles
 - Analysis Methods
- Chapter 9 – Reinforced Concrete Superstructures
- Chapter 10 – Prestressed Concrete Girder Superstructures
- Chapter 11 – Steel Superstructures
- Guidance for Other Superstructures (briefly cover)
- Guidance for Substructures (highlight instances when a substructure rating would be required)

4. Load Rating Documentation for SCDOT Bridge File

- Calculations and Supporting Data
- Standard Assumptions
- Load Rating Summary Form (LRSF)
- Data Correction Form
- File Naming Convention

5. Bridge Posting

- LRGD Guidelines
- Posting Vehicles
- Posting Avoidance Measures
- Bridge Signing/Posting Form

6. Help / Guidance Documents

- Help Desk
- Technical Notes
- Other Resources & Websites

7. Wrap-up - Questions and Answers

End of Day