

- I. Introduction and Learning Objectives**
- II. Why Protect Rebar**
- III. Hot-Dip Galvanizing Process**
- IV. Why Hot-Dip Galvanized Rebar is the Solution**
 - a. Corrosion Protection
 - i. Durability
 - ii. Chloride Threshold
 - iii. Corrosion Product Migration
 - b. Bond Strength
 - c. Longevity
 - i. Initial Reaction
 - ii. Coating Degradation
 - d. Availability
 - i. Abundant Materials
 - ii. Efficiency & Safety
- V. Sustainability**
 - a. Environmental Advantages
 - b. Economic Advantages
- VI. Design & Specification**
 - a. Specifying HDG Reinforcing Steel
 - b. Mechanical Properties
 - c. Steel Selection & Dissimilar Metals
 - d. Coating Thickness
 - e. Bending
 - f. In the Field
 - g. Touch-Up and Repair
- VII. Summary**