

**WELCOME TO
THE SCDOT**



BRIDGE DESIGN MANUAL

<u>Chapter 1 – Bridge Design Section Organization</u>
<u>Chapter 2 – Bridge Replacement Project Development</u>
<u>Chapter 3 – Procedures for Plan Preparation</u>
<u>Chapter 4 – Coordination of Bridge Replacement Projects</u>
<u>Chapter 5 – Administrative Policies and Procedures</u>
<u>Chapter 6 – Plan Preparation</u>
<u>Chapter 7 – Quantity Estimates</u>
<u>Chapter 8 – Construction Cost Estimates</u>
<u>Chapter 9 – Bid Documents</u>
<u>Chapter 10 – [Reserved]</u>
<u>Chapter 11 – General Requirements</u>
<u>Chapter 12 – Structural Systems and Dimensions</u>
<u>Chapter 13 – Loads and Load Factors</u>
<u>Chapter 14 – Structural Analysis and Evaluation</u>
<u>Chapter 15 – Structural Concrete</u>
<u>Chapter 16 – Structural Steel Structures</u>
<u>Chapter 17 – Bridge Decks</u>
<u>Chapter 18 – Bridge Deck Drainage</u>
<u>Chapter 19 – Foundations</u>
<u>Chapter 20 – Substructures</u>
<u>Chapter 21 – Joints and Bearings</u>
<u>Chapter 22 – Highway Bridges Over Railroads</u>
<u>Chapter 23 – Bridge Widening and Rehabilitation</u>
<u>Chapter 24 – Construction Operations</u>
<u>Chapter 25 – Computer Programs</u>