



South Carolina  
Department of Transportation

Office of Engineering Support  
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## **BRIDGE DESIGN MEMORANDUM – DM0124**

**TO:** RPG Structural Engineers  
Alternative Delivery Structural Design Engineer  
Design Consultants

**DATE:** July 11, 2024

**RE:** *Release of SCDOT Structural Drawings & Details*

New **SCDOT Structural Drawings and Details** have been released and are located on the SCDOT website and are ready for use. These drawings will replace the **SCDOT Bridge Drawings and Details** previously used in the production of bridge plans. The new drawings include:

- Bridge Title Sheet
- Bridge Plan & Profile
- General Notes & General Details for Beam/Girder Superstructures
- General Notes & General Details for Flat Slabs
- General Notes & General Details for Cored Slabs & Box Beams
- Reinforcing Steel Bending Details
- Reinforced Concrete Flat Slabs
- Prestressed Concrete Piles
- Prestressed Concrete Cored Slabs
- Prestressed Concrete Box Beams
- Prestressed Concrete AASHTO Beams
- Prestressed Concrete Modified Bulb Tee Beams
- Prestressed Concrete Florida I Beams (FIBS)
- Steel Intermediate Diaphragm Details for Prestressed Concrete Beams
- Approach Slabs & Sleeper Slabs
- Compression Seal & Strip Seal Expansion Joint Details
- Slope Protection Paving
- Completion Date Numbers

In addition to the drawings, Instructional Memoranda have been prepared for each drawing or series of drawings. These memoranda provide guidance for the user to complete the drawings, provide design assumptions made in the preparation of the drawings, and provide some design aides.

There are numerous places within the **Bridge Design Manual** that reference the **SCDOT Bridge Drawings and Details**. Where these references exist, substitute **SCDOT Structural Drawings and Details** for the references.



**Incorporate the SCDOT Structural Drawings and Details into all project plans where the design has not advanced beyond preliminary plans submittal.**

**Please note the changes above in your copy of the SCDOT Bridge Design Manual.**

Terry B. Koon, P.E.  
Structural Design Support Engineer

TBK:hl

ec:

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