

SECTION 6

STANDARD SPECIFICATIONS

6.0 General: The latest edition of the South Carolina Department of Transportation's Standard Specifications for Highway Construction will be applicable to all elements of roadway and drainage construction under Richland County jurisdiction. Except as noted in the Special Provisions, all construction will comply with the applicable sections as follows:

6.1 Earthwork: All earthwork will comply with the applicable sections of the latest edition of the South Carolina Department of Transportation's Standard Specifications for Highway Construction.

6.1.1 Clearing and Grubbing shall be performed as specified in Section 201.

6.1.2 Removal of Structures and Obstructions shall be performed as specified in Section 202.

6.1.3 Roadway and Drainage Excavation shall be performed as specified in Section 203.

6.1.4 Embankment Construction shall be performed as specified in Section 205.

6.1.5 Overhaul shall be performed as specified in Section 207.

6.1.6 Subgrades shall be constructed as specified in Section 208.

6.1.7 Shoulders and Slopes shall be constructed as specified in Section 209.

6.2 Sub-base Course: All sub-base courses will comply with the applicable sections of the latest edition of the South Carolina Department of Transportation's Standard Specifications for Highway Construction as follows:

6.2.1 Cement Modified Sub-Base Course shall be constructed as specified in Section 301.

6.2.2 Soil Aggregate Sub-Base Course shall be constructed as specified in Section 302.

6.3 Base Course: All base courses will comply with the applicable sections of the South Carolina Department of Transportation's Standard Specifications for Highway Construction as follows:

6.3.1 Sand Clay Base Course shall be constructed as specified in Section 303.

6.3.2 Graded Aggregate Base Course (Macadam Base Course) shall be constructed as specified in Section 305.

6.3.3 Reserved

6.3.4 Cement Stabilized Earth Base Course shall be constructed as specified in Section 307.

6.3.5 Cement Stabilized Aggregate Base Course shall be constructed as specified in Section 308.

6.3.6 Hot Laid Sand Asphalt Base Course shall be constructed as specified in Section 309.

6.3.7 Hot Laid Asphalt Aggregate Base Course shall be constructed as specified in Section 310.

6.4 Pavements: All pavements will comply with the applicable sections of the South Carolina Department of Transportation's Standard Specifications for Highway Construction as follows:

6.4.1 Hot Mixed Asphalt Pavements shall be constructed as specified in Section 401.

6.4.2 Hot Laid Asphalt Concrete Binder Course shall be constructed as specified in Section 402.

6.4.3 Hot Laid Asphalt Concrete Surface Course shall be constructed as specified in Section 403.

6.4.4 Cold Laid Asphalt Concrete Binder Course shall be constructed as specified in Section 404.

6.4.5 Cold Laid Asphalt Concrete Surface Course shall be constructed as specified in Section 405.

6.4.6 Bituminous Surfacing shall be constructed as specified in Sections 406, 407, or 408.

6.4.7 Concrete Pavement shall be constructed as specified in Section 501.

6.5 Structures: All structures will comply with the applicable sections of the South Carolina Department of Transportation's Standard Specifications for Highway Construction as follows:

6.5.1 Portland Cement Concrete for structures shall comply with Section 701.

6.5.2 Concrete structures shall be constructed in accordance with Section 702.

6.5.3 Reinforcing Steel shall comply with Section 703.

6.5.4 Prestressed Concrete shall comply with Section 704.

6.5.5 Bridge Railing shall comply with Section 705.

6.5.6 Wood Products shall comply with Section 706.

6.5.7 Preservation Treatments for wood products shall comply with Section 707.

6.5.8 Hardware shall comply with Section 708.

6.5.9 Structural steel shall comply with Section 709.

6.5.10 Paint shall comply with Section 710.

6.5.11 Timber Piling shall comply with Section 711.

6.5.12 Prestressed Concrete Piling shall comply with Section 712.

6.5.13 Steel “H” Bearing Piling shall comply with Section 713.

6.6 Storm Drainage Construction: All storm drainage construction will comply with the applicable sections of the South Carolina Department of Transportation’s Standard Specifications for Highway Construction as follows:

6.6.1 Pipe Culverts will comply with Section 714.

6.6.2 Structural Plate Pipe, Pipe-Arch Culverts will comply with Section 715.

6.6.3 Catch Basins, Drop Inlets, Manholes, Junction Boxes and Spring Boxes will comply with Section 719.

6.6.4 Pre-cast Concrete Box Culverts shall comply with Section 722.

6.7 Curb and Gutter, Sidewalks, Medians, Etc.: All concrete curb, gutter, curb and gutter, sidewalks, driveways and medians will comply with Section 720 of the South Carolina Department of Transportation’s Standards Specifications for Highway Construction as follows:

6.8 Incidental Construction: All incidental construction not specified elsewhere will comply with the applicable sections of the South Carolina Department of Transportation's Standards Specifications for Highway Construction as follows:

6.8.1 Aggregate Underdrains will comply with Section 801.

6.8.2 Pipe Underdrains will comply with Section 802.

6.8.3 Rip Rap and Slope Protection will comply with Section 804.

6.8.4 Guard Rail will comply with Section 805.

6.8.5 Fencing will comply with Sections 806 and 807.

6.8.6 Seeding will comply with Section 810.

6.8.7 Sprigging will comply with Section 812.

6.8.8 Sodding will comply with Section 813.

6.8.9 Erosion Control will comply with Section 815.

6.9 Permanent Pavement Markings: All permanent pavement marking will be thermoplastic pavement marking in accordance with Section 604.07.