

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION**  
**Encroachment Permit**

Permit No : 198771

Permit Decision Date :  
12/21/2016

Expiration Date : 12/21/2017

Type

Permit : MUNICIPALITY /  
LOCAL FUNDED  
PROJECT

Location:

<u>District</u>	<u>Work County</u>	<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>
6	Charleston, SC	S-	1190	None	0.134	0.148
6	Charleston, SC	S-	1189	None	0.263	0.281

Contact Information

Applicant: TownofMcClellanville

Phone:

Contact: Stuart F. Healy PE, Project  
Manager

Address: 405 Pinckney Street,

City: McClellanville

State: SC

Zip: 29458

Comments

New wood pedestrian bridge over Jeremy Creek connects Old Cemetery Road (S-1190) and Pickney Street (S-1189) in the Town of McClellanville. South bridge end touches down approximately 50ft east of intersection of Old Cemetery Road (S-1190) and Kit Hall Road (S-2414).

Special Provisions:

9999 - See Attached for Additional Special Provisions

0004 - SCDOT SHALL BE NOTIFIED WHEN WORK DEFINED IN THE PERMIT STARTS AS WELL AS WHEN THE WORK IS COMPLETED. REFERENCE SHALL BE MADE BY PERMIT NUMBER.

0005 - APPLICANT SHALL PROVIDE TO THE DEPARTMENT THE OPPORTUNITY OF ATTENDING ANY PRE-CONSTRUCTION MEETING PRIOR TO THE BEGINNING OF WORK.

## **9999 SPECIAL PROVISIONS**

- 1.) The permittee and/or contractor is to be fully aware of these provisions. Also see attached drawings, details, and location maps of proposed work to be done under this permit.
- 2.) Prior to the start of any work shown on this permit the permittee, the contractor, and SCDOT will meet on site to discuss proposed work, these provisions, and all required safety requirements and signage pertaining to this permit.
- 3.) **Prior to any work inside SCDOT right of way being started, the Permittee and or Contractor shall *COORDINATE WITH SCDOT CHARLESTON COUNTY PERMIT ENGINEER MR. CHIP CORRIGAN (843) 740-6732.***
- 4.) Approval of this permit is for the Town of McClellanville to construct a LPA approved project, a pedestrian bridge, "New wood pedestrian bridge over Jeremy Creek connects Old Cemetery Road (S-1190) and Pickney Street (S-1189)".
  - **All more fully shown on attached plans submitted in EPPS on 12/21/2016.**
  - The right-of-way and sight lines for pedestrian bridge where it connects in the SCDOT r/w at Old Cemetery Road (S-1190) and Pickney Street (S-1189) is to be maintained for the use of pedestrian bridge or until bridge is removed. Right of way is to be completely cleared and grubbed to insure all required sight distances are obtained and maintained along Old Cemetery Road (S-1190) and Pickney Street (S-1189). All sight lines and right of way clearing is the responsibility of the encroachment applicant.
  - a.) Prior to the start of construction a meeting of the owner, engineer, contractor and SCDOT will be held to go over the provisions, construction schedule, specifications, and requirements that will be required for this project.
  - b.) **The permittee is responsible to have all construction as per current SCDOT standards and specifications require, or as directed by the SCDOT representative on site.**
  - c.) **This project requires an onsite inspector certified in all required disciplines necessary to insure all construction meets SCDOT specifications and standards at all times work is be performed inside SCDOT rights-of-way. Disciplines will include but not be limited to concrete, asphalt paving, earthwork and grading, structural engineering, and drainage.**
  - d.) This project requires a person of authority on site at all times with the ability to direct all construction operations when SCDOT representatives address any issues pertaining to requirements associated with this permit or any SCDOT specifications.

- e.) Traffic is to be maintained on Palm Blvd and 20<sup>th</sup> Ave at all times. Access to all adjacent properties is to be kept open unless the owner is notified a minimum of 24 hours of the disruption and has alternate access if required.
  - f.) All temporary markings will be fast-dry traffic paint and all permanent markings will be thermoplastic with raised traffic markings as required. If any existing pavement markings are to be removed because of the new construction, and are located in a portion of roadway not being overlaid, the markings will be ground-off as per SCDOT specifications, latest edition.
  - g.) Any existing traffic signage or signal encounter along the work zone of the project is to be relocated as required by current SCDOT standards and specifications and the "Manual on Uniform Traffic Control Devices" if needed with the new construction configuration.
- 5.) All temporary markings will be fast-dry traffic paint and all permanent markings will be thermoplastic with raised traffic markings as required. If any existing pavement markings that are to be removed because of the new construction, and are located in a portion of roadway not being overlaid/milled, will be ground-off as per SCDOT specifications, latest edition.
  - 6.) The contractor will maintain all traffic markings and raised traffic markers during all phases of construction.
  - 7.) All required sight areas for all driveways and roadways are to be cleared and kept open by the permittee at all times work approved under this permit is being performed until final approval is granted by SCDOT. No construction placed under this permit is to obstruct sight areas required for any driveway or roadway. If an obstruction is found resulting from this construction, it is to be eliminated or the entrance is to be reconfigured to eliminate obstruction as soon as possible.
  - 8.) Contractor will maintain positive drainage at all times during construction, until final inspection and approval is obtained.
  - 9.) Any existing pavement markings or traffic signage altered during the installation of this permitted construction will be replaced by the permittee to their original condition as soon as possible. All existing and required construction signage will be maintained at all times during this permit. Some new construction will require new pavement markings and permanent signage (see plans).
  - 10.) All required traffic markings and signage associated with this project will be placed by the permittee and will match all existing traffic markings and signage. All pavement markings will be thermoplastic.

- 11.) Road Construction signing shall be placed accordingly: SCDOT Standard Drawing 605-010-02, Scheme C, for Old Cemetery Road (S-1190) and Pickney Street (S-1189) and modified to only use the 500ft sign and End Construction sign, both directions.
- 12.) **Any work requiring a shoulder closure is to be done using SCDOT Standard Dwg 610-205-00 for shoulder closure. All shoulder closure work is to be done during daylight hours between 9:00 am to 2:00 pm.**
- 13.) **Any work requiring a traffic disruption or lane closure on Old Cemetery Road (S-1190) and Pickney Street (S-1189) will be performed between 9:00 AM and 2:00 PM with all traffic control removed from the roadway at that time. Any closure will require notifying SCDOT and all required media outlets and emergency agencies a minimum of one week prior to the implementation of the closure.” SCDOT Standard Dwg 610-005-00 for Old Cemetery Road (S-1190) and Pickney Street (S-1189) for all work requiring a traffic disruption or lane closure.**
- 14.) All traffic control will be the responsibility of the permittee and/or the contractor doing the work. All work will be done during daylight hours.
- 15.) All construction signage is to be placed and maintained during the construction of this project until SCDOT final approval of work is given for all work shown on this permit. All signage is the responsibility of the permittee.
- 16.) Traffic control, lights, signs, and flagmen will be furnished by the permittee and/or contractor and will conform to “Manual on Uniform Traffic Control Devices”, latest edition. All devices and signs will be maintained during all phases of construction. Signs not in use will be removed or coved as required.
- 17.) **The South Carolina Department of Transportation reserves the right to impose additional conditions, provisions, and/or requirements on this permit to respond to any unforeseen, specific problems that might arise during the life of this permit, and to take any enforcement action necessary to ensure compliance with SCDOT specifications, standards, or policies.**
- 18.) No excavated material is to be placed or let accumulate on roadway surface during the construction of this project. All material is to be removed from roadway as soon as possible.
- 19.) Any construction materials or equipment to be stored or parked along side of roadway or in the right-of-way will be placed a minimum of 30’ from the edge of pavement, or have warning devices as required and approved by this office.
- 20.) All areas disturbed inside SCDOT rights-of-way are to be compacted, graded and grassed as soon as possible to prevent any erosion or sedimentation in the drainage system.
- 21.) All required sight areas for entrances will be kept clean and clear for the life of these entrances by the permittee and/or contractor until the entrances are removed.

- 22.) This permit has been issued with an expiration date of one year from the approval and all work shown or detailed on this permit must be completely finished and approved by that date.

#### PAVEMENT PROVISIONS

- 23.) Any pavement to be used in the construction shown on this permit is to be placed as specified and in accordance with the South Carolina Department of Transportation standard specifications for highway construction (latest edition), whichever is greater. The pavement structure listed or shown will be used in all areas where asphalt is to be placed inside SCDOT right-of-way unless indicated differently on the permit.
- 24.) Any existing roadway pavement damaged or removed in connection with this work will be replaced, using the same thickness and type of material destroyed, or according to specifications called for in the South Carolina Department of Transportation construction manual (latest edition), whichever is greater.
- 25.) Where pavement is cut and replaced, the contractor shall cut the edges to a straight and even line before removing the pavement. No ragged edges will be allowed or accepted. All patches and repairs will have squared corners. Prior to placing new asphalt all existing edges are to be tacked as per current SCDOT specifications. In some cases an asphalt surface overlay may be required to smooth riding surface of roadway at patch, see permit for details.
- 26.) If the roadway pavement is cut and base material other than asphalt is replaced, the entire area is to be primed with asphalt prime coat, acceptable to the South Carolina Department of Transportation specifications, prior to the placement of asphalt surface course. All new construction having rock type base is to be primed as required.

#### STORM DRAIN PROVISIONS

- 27.) Where pipe is installed in an open cut across a road or portion of a highway, the cut shall be immediately backfilled, and all work of repairing the pavement completed immediately. Any subsequent settlement in the patch shall be immediately corrected and repaired. One lane of traffic will be kept open to traffic at all times, with flagmen employed as necessary. Warning lights and necessary signs will be utilized where required to protect the public, and/or maintain proper traffic flow. No trenches are to be left open overnight.
- 28.) All existing storm drainage pipes disturbed during construction are to be inspected by a SCDOT representative for any signs of cracking or breakage prior to being re-laid. After the relaying of the drainage pipe it will then again be inspected for grade, alignment, and joint sealing prior to be backfilled and compaction. If a pipe is determined to have been damaged in construction to a condition where it cannot be reused, it will then be replaced with an equivalent or better grade pipe as required meeting all current SCDOT specifications. If the contractor finds an existing pipe

is damaged prior to any construction in that area, he is to notify the SCDOT inspector prior to any construction.

- 29.) Upon placement or replacement of any storm drainage pipe or structure indicated on this permit, and prior to beginning the backfilling operation, the work **SHALL BE COORDINATED WITH SCDOT CHARLESTON COUNTY PERMIT ENGINEER MR. CHIP CORRIGAN (843) 740-6732** and the pipe and/or structure inspected for grade, alignment, and the sealing of all joints, or construction and placement. When approval of the pipe and/or structure is given the backfilling will be allowed. Any pipe placed and covered without being inspected may result in the pipe having to be uncovered and inspected at the cost of the permittee.
- 30.) Any existing storm drainage pipe removed or damaged during construction of this project will be replaced with the same size and type pipe as was present. Any change in pipe size or type will require approval from SCDOT prior to the change being made.
- 31.) All cross line pipes and/or sideline pipes disturbed or damaged during construction will be replaced immediately. New pipe will be placed on proper grade, sealed properly, and cleaned to provide positive drainage. Pipes are to remain uncovered until a South Carolina Department of Transportation inspector, inspect the pipe, the condition, and the placement in the trench. Then at that time the pipe is to be covered and compacted as required. Reinforced concrete pipe used within state rights-of-way shall be stamped for conformance with South Carolina Department of Transportation specifications, and be free of any cracks, chips, or breaks.

#### EXCAVATION PROVISIONS

- 32.) Any required excavation or mucking in connection with this work, will be backfilled in six inch layers, and thoroughly compacted in a manner satisfactory to the South Carolina Department of Transportation specifications. Density tests may be required with the results to be furnished to the departments utility inspector on a weekly basis during construction, see permit for details.
- 33.) Compaction requirements in these provisions apply to crosscuts and longitudinal trench cuts from shoulder break to shoulder break. If compaction tests are required the maximum distance between tests shall be 500 feet. In some cases additional tests may be required, see permit for details.
- 34.) If unsuitable material is excavated, it will not be put back in the excavation, and will be removed from the right-of-way as soon as possible. The material will be replaced with suitable approved backfill, and be in compliance with the South Carolina Department of Transportation specifications for backfill.
- 35.) There shall be no excavation of soil nearer than two feet from any public utility pole or appurtenant facility without the written consent of the owner thereof. Special permission of the South Carolina Department of Transportation after an opportunity to be heard is given the owner of such pole or appurtenant facility may be given.

- 36.) If the side of the trench, pit, or any excavation is less than 3'-0" from the existing edge of pavement, the excavated area will be backfilled entirely with flowable fill to an elevation 6 inches from the existing ground elevation. Then brought to grade with suitable topsoil, compacted, graded, and grassed as required to eliminate any erosion.
- 37.) Existing ditch slopes, if excavated, shall be backfilled in six inch layers and well tamped with a mechanical tamp to 95% density (standard proctor). These lifts will be benched into the existing embankment as required. The new slopes will then be graded to match existing typical roadway cross section.
- 38.) No excavated material or spoil is to be placed on the pavement without the permission of the South Carolina Department of Transportation, and if permission is granted, this material must be removed daily, as soon as possible. The roadway is to be cleaned of all material in a manner as to protect the existing pavement. Any pavement destroyed, or marked by this operation will be removed and replaced as required.
- 39.) When shoulders and ditch slopes are reshaped and graded to a typical section, the section will match existing road section. Where the existing section is less than state standards (6' wide shoulder @ 12:1, front slope of ditch @ 4:1, ditch bottom as required to accommodate existing runoff, and back slope of ditch min. 3:1 or to right-of-way line) the section will be upgraded to the standard. In either case positive drainage must be established and approved by SCDOT.
- 40.) Contractor will maintain positive drainage at all times during construction and until final inspection and approval from South Carolina Department of Transportation is obtained.
- 41.) No excavation located between the edge of roadway pavement and the center of sideline ditch or 15'0" where no ditch is present is to be left open overnight. The excavation is to be either temporarily backfilled or a steel plate is to be secured over hole. In either case reflective traffic cones are to be placed around the area of the excavation until the excavation has been permanently backfilled as required and graded.

#### CONSTRUCTION CLEANUP PROVISIONS

- 42.) All areas in SCDOT right-of-way disturbed during construction are to be restored to original condition as soon as possible and maintained during entire length of project, see "SCDOT POLICY FOR SEEDING AND EROSION CONTROL MEASURES INSIDE ROADWAY RIGHTS-OF-WAY".
- 43.) All disturbed areas inside SCDOT rights-of-way will be seeded with a mixture of grass seed as specified in the South Carolina Department of Transportation standard specifications for highway construction, section 109b2, or latest edition. No rye grass will be allowed inside SCDOT rights-of-way. A satisfactory stand of grass will be required, prior to any acceptance or final approval is granted on this permit.

44.) All rocks, pebbles, boards, other debris along with any spoil material will be kept clear of roadway at all times as the work progresses.