



PROJECT SPECIAL PROVISIONS
Utility Construction

All proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated July 2006. Division 15 of the Standard Specifications is revised as follows:

Page 15-1, Paragraph 4

Provide access for Department personnel and the owner's representatives to all phases of construction. Notify Department personnel and the utility owner two weeks prior to commencement of any work and one week prior to service interruption. Keep utility owner's representatives informed of work progress and provide opportunity for inspection of construction and testing. *The water lines on this project belong to the Town of Forest City, Broad River Water Authority, and Daniel Morgan Community Water District. The contact person for the Town of Forest City is Mr. Scott Hoyle, Public Works Director, and he can be reached by phone at (828) 248-5203. The contact person for Broad River Water Authority is Mr. Harvey Hodge, Distribution Superintendent and he can be reached by phone at (828) 286-0640. The contact person for Daniel Morgan Community Water District is Ms. Sandra Vickers and she can be reached by phone at (864) 461-2235. All work on these lines must be coordinated through the Engineer and the utility owner before beginning.*

Page 15-9 Section 1515-2

In addition to the water line materials specified under Section 1036, the water line can be High Density Polyethylene (HDPE) pipe conforming to AWWA C906 with an SDR of 9 and a pressure rating of 200 PSI.

Ductile iron water pipe shall be of the thickness and pressure rating class shown on the utility plans and shall conform to ANSI A21.51 (AWWA C151). Pipe shall be either mechanical joint or push-on-joint and installed with rubber gaskets in accordance with ANSI A21.11 (AWWA C111). All water pipe shall be provided and installed in accordance with Articles 1036 and 1510 of the Standard Specifications. All water pipe on this project shall be ductile iron unless otherwise specified on the utility construction plans. Ductile iron restrained joint pipe (DIRJ) shall be installed at the locations shown on the Utility Construction Plans. The method of restraint and the limits of said restraint shall be the responsibility of the Contractor. This information shall be submitted to and approved by the Engineer prior to these materials being purchased or delivered to the jobsite. No additional payment shall be made for pipe restraint, and this item shall be incidental to water line paid for elsewhere.

NOTE: The Contractor shall limit interruptions of service to water customers to a maximum of four (4) hours unless otherwise required or approved by the engineer and the utility owner. Approved exceptions to this requirement shall be provided in writing by the owner to the engineer prior to beginning work on any section of water line not meeting the time limitation.

COMPENSATION:

No direct payment will be made for utility construction work required by the preceding provisions, which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the contract unit prices of the various utility items included in the contract.

PROJECT SPECIAL PROVISIONS

Utility

UTILITIES BY OTHERS:

General:

The following utility companies have facilities that will be in conflict with the construction of this project.

- A) Duke Energy - Transmission
- B) Duke Energy - Power Distribution
- C) Duke Net - Fiber Optic Cable
- D) A T & T - Telephone
- E) Northland Cable - Cable TV

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owner. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the Standard Specifications.

Utilities Requiring Adjustment:

A) Duke Energy - Transmission

- 1) Duke Energy will remove and relocate their 500 KV power transmission facilities approximate station -L- 10+54 left at the locations shown on the Utilities by Others Plans. Work to start October 1, 2010 and be completed by October 31, 2010. Contractor shall allow Duke Energy forces access to the job site to complete this work.
- 2) Duke Energy will relocate their facilities between Stations -L- 71+00 to -L- 74+00 at the locations shown on the Utility by Others Plans prior to date of availability.
- 3) Contact person for Duke Energy transmission is Mr. Mike Robinson 980-373-4228.

B) Duke Energy - Electric Distribution

- 1) Duke Energy will relocate its electric distribution lines and poles except as noted below within the project limits at the locations shown on the Utilities by Others Plans by September 30, 2010.
- 2) When phase I bridge construction over the Broad River is near completion Contractor shall provide Duke Energy one (1) week notice as to when Duke Energy can begin relocation of the temporary poles and power lines and allow Duke Energy six (6) weeks to complete the work.
- 3) When Contractor is near completion of Phase II bridge work and grading Contractor shall provide one (1) week notice as to when Duke Energy can begin transferring to their permanent locations power lines to the new poles and allow Duke Energy six (6) weeks to complete the work.
- 4) When Contractor is near completion of grading from Station -L- 74+00 left to -L- 77+00 left, Contractor shall provide one (1) weeks notice and allow Duke Energy two (2) weeks to install their power lines.
- 5) Contact person for Duke Energy distribution is Mr. Dick Brown at 864-764-4978.

C) Duke Net - Fiber Optic Cable

- 1) Duke Net will abandon is underground and overhead facilities and relocate their facilities except as noted below to poles installed by others within the project limits at the locations shown on the Utilities by Others Plans by September 30, 2010.
- 2) When phase I bridge construction over the Broad River is near completion Contractor shall provide Duke Net one (1) week notice as to when Duke Net can begin relocation of their temporary fiber option lines and allow Duke Net six (6) weeks to complete the work.
- 3) When Contractor is near completion of Phase II bridge work and grading Contractor shall provide one (1) week notice as to when Duke Net can begin transferring their lines to their permanent locations to the new poles and allow Duke Net six (6) weeks to complete the work.
- 4) When Contractor is near completion of grading from Station -L- 74+00 left to -L- 77+00 left, Contractor shall provide one (1) weeks notice and allow Duke Net two (2) weeks to install their fiber optic lines.
- 5) Contact person for Duke Net is Mr. Dick Brown at 864-764-4978.

D) A T & T - Telephone and Fiber Optic Cable

- 1) A T & T will abandon its underground facilities and relocate their facilities except as noted below within the project limits at the locations shown on the Utilities by Others Plans by December 31, 2010.
 - 2) When phase I bridge construction over the Broad River is near completion Contractor shall provide A T & T one (1) week notice as to when A T & T can begin relocation of their temporary lines and allow A T & T six (6) weeks to complete the work.
 - 3) When Contractor is near completion of Phase II bridge work and grading Contractor shall provide one (1) week notice as to when A T & T can begin installation at the permanent locations the new poles and overhead lines and allow A T & T six (6) weeks to complete the work.
 - 4) When Contractor is near completion of grading from Station -L- 74+00 left to -L- 77+00 left, Contractor shall provide one (1) weeks notice and allow A T & T two (2) weeks to install their poles and lines.
 - 5) In the area of the new railroad bridge Station -L- 36+00 to -L- station 49+00 Contractor shall provide A T & T one (1) month notice of bridge completion and allow A T & T two (2) months to complete their work.
 - 6) Contact person for A T & T is Mr. Steve Mode at 704-617-6525.
- E) Northland Cable - Cable TV
- 1) Northland Cable will abandon its underground cables and relocate their facilities to overhead poles except as noted below within the project limits at the locations shown on the Utilities by Others Plans by October 31, 2010.
 - 2) When phase I bridge construction over the Broad River is near completion Contractor shall provide Northland Cable one (1) week notice as to when Northland Cable can begin relocation of their temporary lines and allow Northland Cable six (6) weeks to complete the work.
 - 3) When Contractor is near completion of Phase II bridge work and grading Contractor shall provide one (1) week notice as to when Northland Cable can begin transferring to their permanent locations their lines to the new poles and allow Northland Cable six (6) weeks to complete the work.
 - 4) When Contractor is near completion of grading from Station -L- 74+00 left to -L- station 77+00, Contractor shall provide one (1) weeks notice and allow Northland Cable two (2) weeks to install their lines.
 - 5) Contact person for Northland Cable is Mr. Ronnie Parker at 828-245-1633.

Note: Contractor shall allow utility companies access to the site to complete their various relocation work. Contractor shall provide notification to the various utility companies at the same time for all work outlined above. The time associated with relocations and removals for all temporary utilities near the bridges over the Broad River shall run concurrent for the various utility companies. The time associated with relocations and removals for all permanent utility relocations near the bridges over the Broad River shall run concurrent for the various utility companies. Time associated with installation of facilities on the left side of the -L- line station 74+00 to 77+00 will run concurrent for the various utility companies.