NCDOT Construction Unit

Current Issues: Trenchless Install of Utilities

Numerous issues were identified with the 2012 specifications trenchless pay items for “in soil” and “not in soil”. Primary issues include a lack of a clear definition of each, the practicality of switching cutter heads every time soil conditions change, and inappropriate bid prices by bidders gambling they would not encounter rock. It was agreed that it would be much simpler to have one pay item; however, the additional risk to the Contractor would likely result in excessively high bid prices. The compromise reached was, that to mitigate the risk, NCDOT may include additional subsurface information to the bidders.

Tasks for Contract Administrators:

NC General Statute §89C requires that the Department’s highway construction plans be signed and sealed by a NC licensed Professional Engineer. The information provided for the Trenchless Installation does not constitute a complete design; therefore, the contractor is responsible for submitting a complete (signed and sealed) design to the Engineer before work can begin. You should find this note on Utility Construction Plans. Discuss this requirement at the Preconstruction Conference.

NOTE:
PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.

1. Current Issues – TI Utilities
2. Contract Admin
3. DI Fittings
4. Utility Controls

Upcoming Training:
Division 1: Mar 7&8, 2018
Division 2: Mar 5&6, 2018
Division 3&4: Feb 27, 2018
Division 5: Mar 27&28, 2018
Division 6: Feb 28 & Mar 1, 2018
Division 7: Feb 21
Division 8: Mar 12&13, 2018
Division 9: Feb 20, 21, 22, 2018
Division 13: Mar 20, 2018
Division 14: Mar 8, 2018

Have a suggestion for future bulletins?
If you have any questions or recommendations click the email link below and submit it.
Email
Ductile Iron Fittings Update

Ductile Iron Fittings for both water and sewer lines will now be paid for by the pound.
The quantity of Ductile Iron Water Pipe Fittings will be measured and paid per pound based on the published weights for ductile iron fittings, exclusive of the weights of any accessories, as listed in the “DI Fittings Weight Chart” located on the Utilities Unit web site.
If the Contractor elects to use compact ductile iron water pipe fittings, measurement will be based on the weight of standard size ductile iron water pipe fittings. Any fitting not listed will be measured based on the published weights for ductile iron fittings listed in ANSI/AWWA C-110/A21.10. This is limited to pressure pipe 4 inches or larger.

Section 1515 Update

A separate pay item for Fire Hydrant Leg has been added to Section 1515 of the Specifications. This new pay item compensates the contractor for the 6” water line necessary to place the fire hydrant into operation. This is different from other 6” Water Line and will likely have a higher bid price due to installation requirements.
Existing hydrants do not always have an existing or properly functioning valve. This revision compensates the Contractor for the cost of the valve, if needed, when relocating a fire hydrant. Valves will also be paid for on proposed Fire Hydrant. The pay item is the same as that used on the water line, 6” Valve.

Specifications Updates

This bulletin provides some information for 3 of the major updates to Division 15, Utility Construction, of the Standard Specifications. For other updates to Division 15, visit the Utilities Section Website.

2018 Standard Specifications for Roads and Structures

Information provided in this bulletin is courtesy of the NCDOT Utilities Section

State Construction Engineer

Lamar Sylvester

Eastern Region

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<tr>
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<tbody>
<tr>
<td>ASCE</td>
<td>Cadmus Capehart</td>
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Western Region

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<tr>
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Division

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<tr>
<td>1&amp;2</td>
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<td>5</td>
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Division

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<td>Vickie Davis</td>
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