

Utilities Analysis and Routing Report (Preliminary)

UARR (F)

TIP I-5972 / 44989.1.1 WBS

Johnston County

Prepared for:



North Carolina Department of Transportation

Utilities Unit

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Purpose of UARR (F)

This document establishes a basis of understanding between NCDOT and interested parties for the

- analysis of utility conflicts with the current project design
- opportunities for reducing conflicts through project design,
- preliminary assessment of responsibilities for costs and design,
- recognition of project schedules,
- opportunities for budgeting,
- possible solutions for consideration of compatible with other utilities, environmental constraints, and the project design and construction.

Executive Summary

This highway project has potential conflicts with the following utilities:

- **Water**
 - Town of Smithfield Water/Sewer
 - 16” DIP water line
 - 8” DIP water line runs the length of the project
 - 6” DIP water line.
- **Sewer**
 - Town of Smithfield Water/Sewer
 - 8” DIP/PVC sanitary sewer east and west side of the project.
 - 6” PVC sanitary sewer west side of the project
 - 4” PVC Force Main east side of project
- **Gas**
 - Piedmont Natural Gas
 - Gas lines runs adjacent to Town Center Place and Outlet Center Drive.
- **Power**
 - Duke Energy- Distribution
 - 3-phase power lines along -L- and -Y- lines.
- **Telecommunications**
 - CenturyLink
 - Overhead and underground copper and FO throughout the project
 - Conterra Ultra Broadband
 - Conterra crosses I-95 adjacent to Johnston County Community College and continues buried on the Eastern side within the CA of the US-70/I-95 interchange. Conterra’s line continues on the south side of US 70 Business to the Johnston County Board of Education.
- **CATV**
 - Spectrum

- Primary attached to Duke Energy Poles and will re-attach where feasible.

▪ **Project Information**

General Highway Project description

- I-95/US-70 Business upgrade Interchange from Outlet Center Dr. to West of Yelverton Grove Rd.

Clear Recovery Distance

- -Y1- (US-70 Business/Market St.) 16 –ft.
- -Y2- (Mallard Rd.) 14 –ft.
- -RPA- (Ramp, Alpha Quadrant.) 28 –ft
- -RPB- (Ramp, Bravo Quadrant.) 28 –ft.
- -RPC- (Ramp, Charlie Quadrant.) 28 –ft
- -RPD- (Ramp, Delta Quadrant.) 28 –ft

Control of Access Requirements

- Partial control along -L- (I-95) with access limited to interchanges and identified breaks in the C/A.

Project Contacts

NCDOT Division Project Engineer:Russell Broadwell
telephone: (252)640-6409..... email: rbroadwell@ncdot.gov
NCDOT Utilities Engineer:Kyle Pleasant
telephone: (252)640-6403..... email: kpleasant@ncdot.gov
NCDOT Utilities Coordinator:Fred Zdelar
telephone: (252)640-6403..... email: fzdelar@ncdot.gov

Current Schedule of Project

Final R/W Plans 4/15/2019
Let..... 12/14/2021

Schedule of Actions (N/A)

UARR (preliminary)..... 3/15/2019
Utility Construction Requests (including betterment requests) 10/26/2018
SUE Level A requests to be sent to Location and Surveys N/A
Preliminary Utility Easement Requests 11/16/2018
Final Utility Easement Requests 5/15/2019
Preliminary Utilities by Others plans 5/15/2019
Final Design Field Inspection 6/30/2019
Concurrence by Utility Owner of UARR 6/30/2019
UARR (final) 9/20/2019

Future Schedule of Actions prior to Letting (N/A)

Utility Authorizations 10/04/2019
Utility Environmental Permit Submittal..... 6/1/2021
Utility Easements obtained 4/7/2021
Environmental permits received for Utility Relocations 7/1/2021
Utility Relocations begin 2/18/2021
Utility Construction Agreement Plans 10/15/2021
Utility Construction Final PS&E 10/15/2021
Utilities by Others Final Plans and Provisions 10/04/2019
Utility Relocations complete DOA
Utility Construction Agreements executed by owner (U&O or UA) TBD

Utility Owner Contacts, Utility Designers, and Preliminary Cost Responsibilities

Water –

(Town of Smithfield)

- Ted Credle (919) 934-2116 X-1162 / Ted.Credle@smithfield-nc.com
- Compensable by percentage under G.S 137-27.1

Sewer –

(Town of Smithfield)

- Ted Credle (919) 934-2116 X-1162 / Ted.Credle@smithfield-nc.com
- Compensable by percentage under G.S 137-27.1

Gas –

(Piedmont Natural Gas)

- Jason Bingham (252) 571-6068 / Stephen.Edmundson@duke-energy.com
- NCDOT will be responsible for relocation costs for transmission gas mains in easements. All other relocation costs will be borne by PNG.

Power –

(Duke Energy-Distribution)

- Jimmy Sharpe (919) 573-6696 / Jimmy.Sharpe@duke-energy.com
- NCDOT will be responsible for relocation costs for distribution pole lines in easements. All other relocation costs will be borne by Duke Energy

Telecommunications –

(CenturyLink)

- Joe Cowart (252) 458-3149 / Joe.Cowart@lumen.com
- CenturyLink will be responsible for relocation costs unless they are in their own easement.

(Conterra Ultra Broadband)

- Reid McCumber (980)244-0089 / b.McCumber@goACP.com
- Conterra will be responsible for all relocation costs.

CATV –

(Charter)

- Mark Jarvis (919) [995-7773](tel:995-7773)/Mark.Jarvis@charter.com
- Charter will be responsible for relocation costs

Other –

Utility Easements (Existing and Preliminary)

- **Duke Energy- Distribution**
 - Prior rights along -L and -Y- lines

Survey Data Required

- Level A and B SUE data will be asked for as needed on water, sewer, gas, and underground power at different locations.

Possible Project Design Efforts for Utilities

Water –

(Town of Smithfield)

- The Town of Smithfield has requested to have their water-line be placed into the construction contract and that RK&K Engineering design the relocation.

Sewer –

(Town of Smithfield)

- The Town of Smithfield has requested to have their water-line be placed into the construction contract and that RK&K Engineering design the relocation.

Gas –

(PNG-Distribution)

- PNG will design their distribution relocations.

Power –

(Duke Energy-Distribution)

- Pike Engineering will design the power distribution relocations.

Telecommunications – Each of the telecommunications companies below will have their relocation designs done in-house or by one of their selected design firms.

(CenturyLink)

(Conterra Ultra Broadband)

CATV –

(Charter)

- Telics will design Spectrum's relocations

Possible Permit Needs

Railroad Permits

- None projected.

Environmental Impacts

- RK&K will obtain required permits including all utility relocation impacts within the project limits

Coordination and Constructability

Traffic Control Needs

- Utility owners are responsible for traffic control for utility relocations by others
- General Contractor is responsible for traffic control for utility relocations included in contract

Division Construction Review

- Project plans will be sent to the Division 4 Project Engineer for review
- Utility Relocation Plans and Agreements will be submitted to the NCDOT Division 4 Utilities Engineer Office

Constructability Issues

- To be worked out between the RK&K Design Team, NCDOT and the utility owners during the design phase

Utility Owner's Comments

- Utility Owner's will provide comments once the 25% roadway design has been approved.

Utility Relocation Durations and Staging

Water –

(Town of Smithfield)

- Unknown at this time

Sewer –

(Town of Smithfield)

- Unknown at this time

Gas –

(PNG-Distribution)

- Unknown at this time.

Power –

(Duke Energy- Distribution)

- Unknown at this time; dependent on PUE acquisition

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Telecommunications –

(CenturyLink)

- Unknown at this time

(Conterra Ultra Broadband)

- Unknown at this time

CATV –

(Spectrum)

- Unknown at this time

Correspondence, References and Appendices

Kick-off Meeting invite- (attached)

Kick-off Meeting minutes- (attached)

Kick-off Meeting attendees- (attached)

Utility Inventory- (Attached)
