

# Utilities Analysis and Routing Report (preliminary)

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**UARR (p)**

**TIP X-xxxx / ##### WBS**

Fill in the TIP number with breakdown and the project definition only (don't need the PE or RW numbers here, just the 5 numbers).

**Xxxxxxxxxx County**

## Project Location

This is the project location as identified on the project Title Sheet.



**North Carolina Department of Transportation**

**Utilities Unit**

1555 MSC

Raleigh, NC 27699

(919) 707-6690

Fax: (919) 250-4151

**Written by:**

**Author**

**Date**

**PSF letterhead or Logo**

**PSF address and telephone**

## **Purpose of UARR (p)**

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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**

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This highway project has potential conflicts with the following utilities:

**This is a quick review of the project. It is important to be concise and as accurate as possible. Generally, those who are not interested in the details will only read this part. Use simple language.**

**Each utility should have a quick glance statement of how much work, time, and cost are expected due to the current project design. These will be used for budgeting of resources and funds. The final costs should be less than these estimates; however, we don't want to be alarmists or exaggerate our assessments. The support documentation of these estimates should be detailed in other parts of this report.**

- Water
  - [Text](#)
- Sewer
  - [Text](#)
- Gas
  - [Text](#)
- Power
  - [Text](#)
- Telephone
  - [Text](#)
- CATV
  - [Text](#)

## **Project Information**

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### ***General Highway Project description***

#### Text

Provide a brief description of the highway project and special features. Limit the paragraph to less than 5 sentences. The information should include:

- the general purpose and need of the project, such as “widening a 2 lane road to multilane divided for congestion reduction,” “Rehabilitation of pavement and drainage,” “new location roadway in urban area,” “conversion of highway control of access,” “adding turn-lanes,” etc.;
- any special or unique features of the project: such as “Superstreet design,” “Diverging diamond intersection,” “Roundabout,” “highly sensitive environmental areas,” etc.

### ***Clear Recovery Distance***

#### Text

This information comes from the Roadway Design Unit. The Utilities Unit is not empowered to make decisions about the clear zone. We should reference the source of this information: such as “Project Scoping Sheet dated \_\_\_\_\_,” “email correspondence between \_\_\_\_\_ and \_\_\_\_\_ on \_\_\_\_\_,” etc.

### ***Control of Access Requirements***

#### Text

This information comes from the Roadway Design Unit. We should reference the source of this information: such as “Project Scoping Sheet dated \_\_\_\_\_,” “email correspondence between \_\_\_\_\_ and \_\_\_\_\_ on \_\_\_\_\_,” etc.

Examples of C/A descriptions are: “Full Control of Access,” “Limited Control of Access with at-grade intersections,” “Partial Control of Access with one access point per parcel”, “Special Control of Access,” “Mixed Control of Access,” etc.

## Project Contacts

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NCDOT Utilities Project Design Engineer: .....name  
telephone: 919.707.#### .....email: xxxxx@ncdot.gov  
NCDOT Utilities Coordinator: .....name  
telephone: 919.707.#### .....email: xxxxx@ncdot.gov

## Current Schedule of Project

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Final R/W Plans.....date  
Let .....date

**This is the schedule as of the date of this report.**

## Schedule of Actions

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UARR (preliminary) .....date  
Utility Construction Requests (including betterment requests) .....date  
SUE Level A requests to be sent to Location and Surveys .....date  
Preliminary Utility Easement Requests .....date  
Utility Designs (final) from Utility Owners.....date  
Final Utility Easement Requests .....date  
Preliminary Utilities by Others plans.....date  
Final Design Field Inspection.....date  
Concurrence by Utility Owner of UARR .....date  
UARR (final) .....date

**Dates should be identified to meet to the current project schedule and adjusted for Utility Owner needs.**

## Future Schedule of Actions prior to Letting

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Utility Authorizations .....date  
Utility Environmental Permit Submittal.....date  
Utility Easements obtained .....date  
Environmental permits received for Utility Relocations .....date  
Utility Relocations begin .....date  
Utility Construction Agreement Plans .....date  
Utility Construction Final PS&E.....date  
Utilities by Others Final Plans and Provisions.....date  
Utility Relocations complete .....date  
Utility Construction Agreements executed (U&O or UA) .....date

**These dates are identified for the future schedule of the project as affected by the utility relocations.**

## **Utility Owner Contacts, Utility Designers, and preliminary Cost Responsibilities**

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This information should have the names and contact information for:

- Utility Owner primary contact
- Utility Owner decision maker
- Utility designer for the utility on this project

Also, write an assessment of cost responsibilities and recognition of data needed to demonstrate any prior rights.

**Water – (name of Utility)**

Text

**Sewer – (name of Utility)**

Text

**Gas – (name of Utility)**

Text

**Power – (name of Utility)**

Text

**Telephone – (name of Utility)**

Text

**CATV – (name of Utility)**

Text

**Other (name of Utility)**

Text

## **Utility Easements (Existing and Preliminary)**

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Text

Briefly describe any existing utility owner easements with source of information. Also, describe the general areas where replacement utility easements will be needed. Include plans marked up with the preliminary easements.

## **Survey Data Required**

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Text

Briefly describe what additional survey data is needed, who will detail the survey request, and the purpose of obtaining the information. Also, identify whether NCDOT or the Utility Owner is responsible for obtaining the survey data.

## **Possible Project Design Efforts for Utilities**

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For each utility, generally describe the design efforts and means that will be pursued for eliminating utility facility conflicts through highway project design. Identify where cost sharing could be a part of the means. Identify the main team members for the design efforts and anticipated roles.

**Water – (name of Utility)**

Text

**Sewer – (name of Utility)**

Text

**Gas – (name of Utility)**

Text

**Power – (name of Utility)**

Text

**Telephone – (name of Utility)**

Text

**CATV – (name of Utility)**

Text

**Other**

Text

## **Possible Permit Needs**

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**Railroad Permits**

Text

Describe whether new or updated permits will be required for the possible relocations.

**Environmental Impacts**

Text

Describe whether any of the possible utility relocations will require permitting for wetlands, stream impacts, CAMA, buffer zones, erosion control, etc.

Describe whether there are historical properties to avoid.

## **Coordination and Constructability**

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### ***Traffic Control Needs***

Text

Describe whether traffic control plans are anticipated for any utility relocation.

### ***Division Construction Review***

Text

List any concerns the Division has provided.

### ***Constructability Issues***

Text

List any concerns such as trenchless methods, staging areas, whether the utility relocation will require coordination with the project construction stages,

### ***Utility Owner's Comments***

Text

List any information provided by Utility Owners requiring consideration during the design and construction of the project.

### ***Utility Relocation Durations and Staging***

In general terms, list the durations estimated for designing, material ordering, and construction of relocations. List whether the work is dependent on other actions, such as: environmental permit, R/W and easements obtained, building removals, grading, another utility to move, etc.

Use these durations in developing the future schedule dates listed earlier in this report.

*Water – (name of Utility)*

Text

*Sewer – (name of Utility)*

Text

*Gas – (name of Utility)*

Text

*Power – (name of Utility)*

Text

*Telephone – (name of Utility)*

Text

*CATV – (name of Utility)*

Text

*Other*

Text

## **Correspondence, References and Appendices**

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Kick-off Meeting invite  
Kick-off Meeting minutes  
Kick-off Meeting attendees  
Plan markups

Text

Attach copies of the above data and any other relevant data.

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