

Utilities Analysis and Routing Report (preliminary)

UARR (f)

TIP: B-4554/WBS: 38406.1.1

Harnett County

Three Bridge Road(SR-1722)



North Carolina Department of Transportation

Utilities Unit

1555 MSC

Raleigh, NC 27699

(919) 707-6690

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Written by:

A.B. Reid

Utility Coordinator

RK&K Engineers

(919) 653-7478

January 13, 2017

Purpose of UARR (p)

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:
 - o Harnett County Department of Public Utilities
- Power:
 - o Duke Energy
- Telephone:
 - o Centurylink

Project Information

***Description: Grading, Drainage, Paving and Structure
Replacement on Bridge #133 and Bridge #134
over the Black River and the Black River
Overflow on SR-1722.***

Clear Recovery Distance-26 Feet

Control of Access Requirements- NONE

Project Contacts

NCDOT Utilities Project Design Engineer: Nabil Hamdan

telephone: (919) 707-6978, email: Nhamdan@ncdot.gov

NCDOT Utilities Regional Engineer: Bo Hemphill, P.E.

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NCDOT Utilities Coordinator: Larry James

telephone: (919) 707-7178, email: lmjames@ncdot.gov

NCDOT Utilities Area Coordinator: Ed Reams

telephone: (919) 707-6996, email: ereams@ncdot.gov

Current Schedule of Project

Final R/W Plans.....February 17, 2017
Let February 20, 2018

Schedule of Actions

Kick Off Meeting.....May 26, 2016
UARR (preliminary) June 20, 2016
Utility Construction Requests (including betterment requests) June 20, 2016
SUE Level A requests to be sent to Location and Surveys June 20, 2016
Preliminary Utility Easement Requests June 20, 2016
Utility Designs (final) from Utility Owners.....August 1, 2016
Final Utility Easement Requests September 16, 2016
Preliminary Utilities by Others plans..... January 17, 2017
Final Design Field Inspection..... November 17, 2017
Concurrence by Utility Owner of UARR November 17, 2016
UARR (final) January 17, 2017

Future Schedule of Actions prior to Letting

Utility AuthorizationsJune 17, 2017
Utility Environmental Permit Submittal..... TBD
Utility Easements obtained TBD
Environmental permits received for Utility Relocations TBD
Utility Relocations begin TBD
Utility Construction Agreement PlansN/A
Utility Construction Final PS&E.....N/A
Utilities by Others Final Plans and Provisions.....October 24, 2017
Utility Relocations complete ASAP
Utility Construction Agreements executed by owner (U&O or UA).....N/A

Utility Owner Contacts, Utility Designers, and preliminary Cost Responsibilities

Water – (Harnett County Department of Public Utilities)

Contact: Ben Neusmeyer- (910) 893-7575

All non-betterment relocation costs to be borne by the NCDOT.

Power – (Duke)

Contact: Cynthia Roarty (919) 431-4738

Eddie Watkins-Synergetic Design (919) 518-5248

All non-betterment relocation costs to be borne by the NCDOT.

Telephone – (Centurylink)

Contact: Kevin Godwin (910) 366-2142

All non-betterment relocation costs to be borne by Centurylink.

Utility Easements (Existing and Preliminary)

Duke Power- 30' easement

Survey Data Required

SUE survey on water line will be needed.

Possible Project Design Efforts for Utilities

Water – (Harnett County Public Utilities)

The 12" water line can be moved out away from the bridge end bents.

Power – (Duke Power)

The single phase power line appears to end and relocation planning will focus on the temporary removal of the last 3 poles and associated conductors.

Telephone – (Centurylink)

Relocation efforts will focus on removing the facility from the project limits.

Possible Permit Needs

Railroad Permits- NONE

Environmental Impacts- Minimal. Wetlands are evident around the perimeter of the construction zone but do not seem to be affected by utility relocations.

Coordination and Constructability

Traffic Control Needs- Periodic lane closures with flagmen may be necessary during utility relocations.

Division Construction Review-None at this time.

Constructability Issues- Minimal

Utility Owner's Comments-None at this time.

Utility Relocation Durations and Staging

Water – (Harnet County Public Utilities)

Four (4) Months to relocate the 12” C-900 Water Line.

Power – (Duke Power)

One week to mobilize and remove conductors.

Telephone – (Centurylink)

One (1) Month to relocate the phone line.

Correspondence, References and Appendices

Kick-off Meeting invite

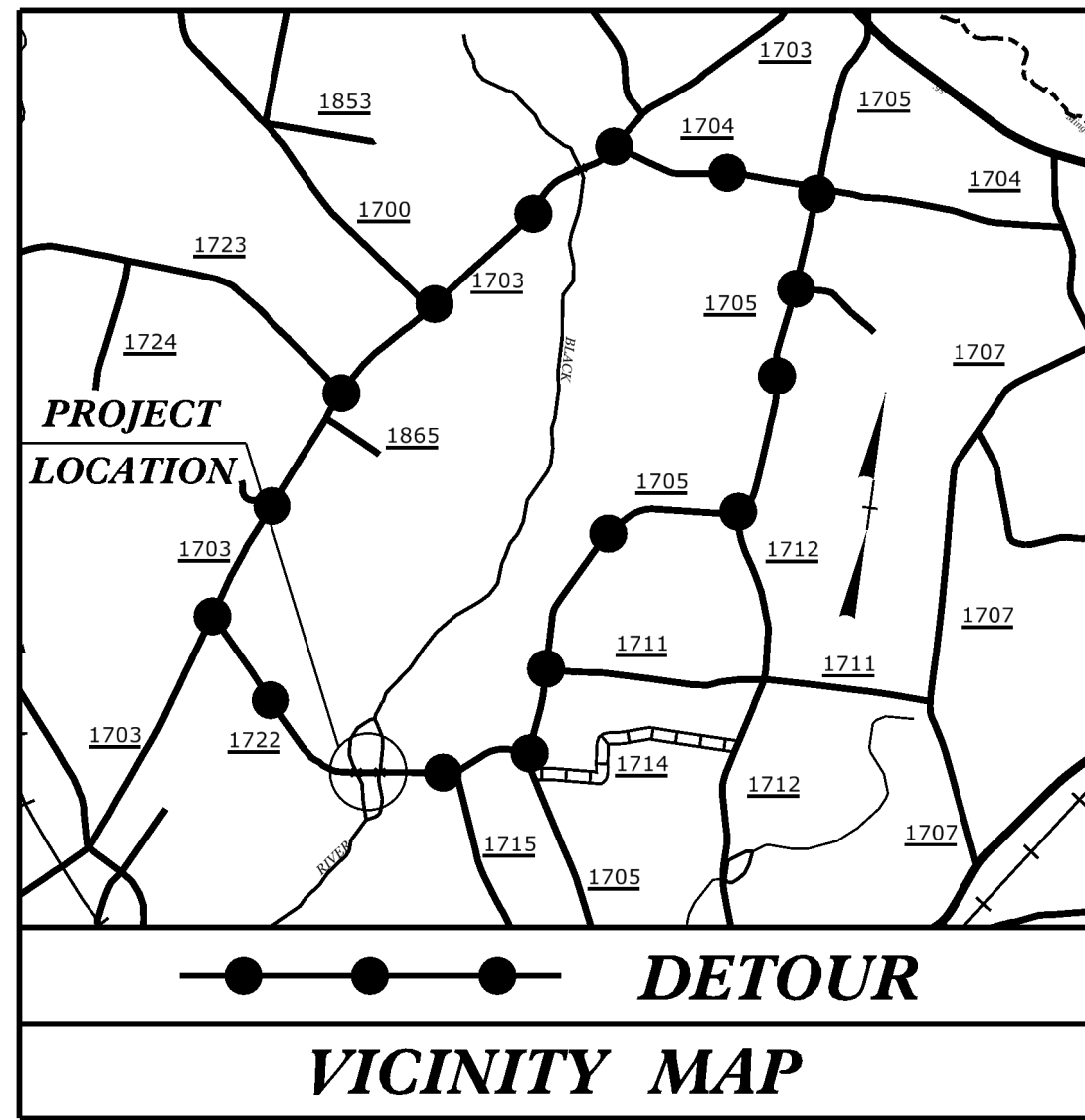
Kick-off Meeting minutes

Kick-off Meeting attendees

Plan markups

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TIP PROJECT: B-4544



25% PRELIMINARY PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS
HARNETT COUNTY

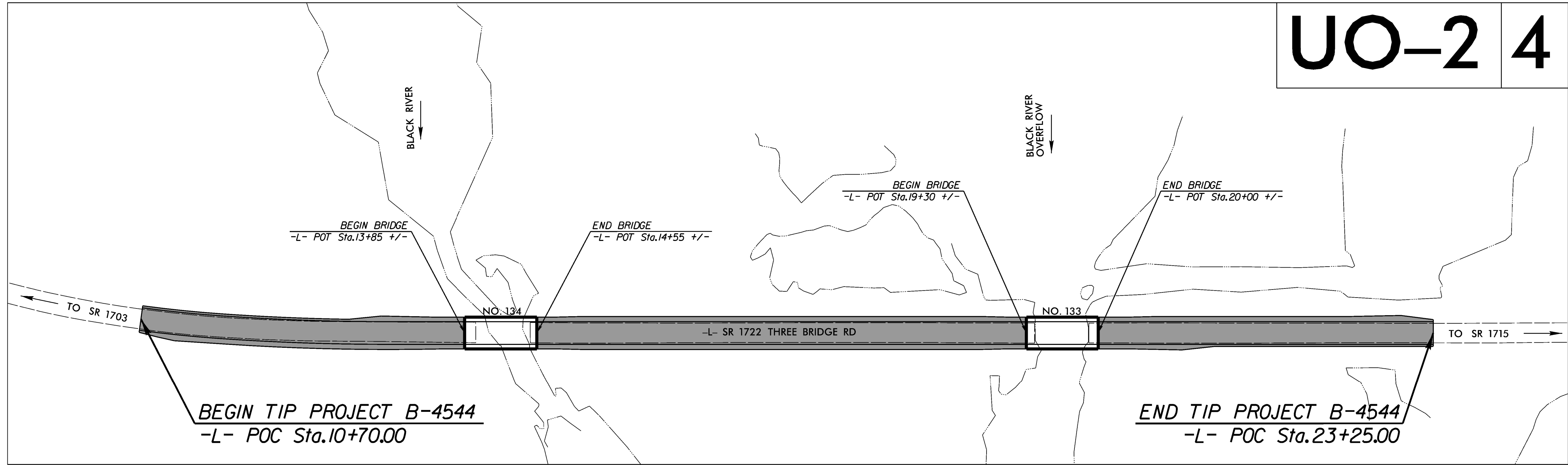


T.I.P. NO.	SHEET NO.
B-4544	UO-1

NOTE:
ALL UTILITY WORK SHOWN ON THIS SHEET IS DONE BY OTHERS.
NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.

LOCATION: REPLACE BRIDGES 133 AND 134 OVER
BLACK RIVER AND BLACK RIVER OVERFLOW
REPLACE BRIDGES 133 AND 134 OVER
TYPE OF WORK: AERIAL POWER AND TELEPHONE, UNDERGROUND TELEPHONE

UO-2 4



GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-02	UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

- (A) DUKE ENERGY PROGRESS - POWER (DIST)
- (B) HARNETT COUNTY PUBLIC UTILITIES - WATER
- (C) CENTURYLINK - TELEPHONE AND FIBER OPTIC

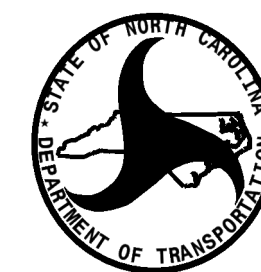
PREPARED IN THE OFFICE OF:

PLANS PREPARED BY:



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Ashley Reid	PROJECT UTILITY COORDINATOR
Mark Lawson	PROJECT UTILITY CADD



DIVISION OF HIGHWAYS
DIVISION 6

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