



Utility Project Outline

NCDOT TIP: BR-0198

WBS: 67198.2.1

COUNTY: WAKE

Project Description:

Replace Bridge 910152 on SR 2224 (Mitchell Mill RD, Raleigh NC) over Wake Crossroads Lake – Wake County

Utility Contact:

Deauntre Riley

Company:

NCDOT

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Project Summary

Initial Summary

Bridge 910152, crossing Watkins Pond along Mitchell Mill Road will be replaced in-place with a southern off-site detour. NCDOT Utilities will perform all utility coordination and utility engineering (if applicable). Utility impacts on this project are minimal. Various utility poles and underground communications conflict with proposed hydraulic design.

➤ **Update - 1/22/2025**

Roadway design may be altered and impact gravity sewer within project limits. The two-lane roadway may be altered and widened considerably due to traffic studies/area development. The widened roadway and bridge footprint along with grading changes are likely to impact gravity sewer within the project and require relocation. The impacted gravity sewer is owned by Raleigh Water. Raleigh Water, Duke Energy and Spectrum have verified that their utility facilities are correct on the latest final survey file.

Utility Owners and Contact Information

Utility Owner	Utility Type	Contact Name	Email	Phone	Agreement Type
AT&T/DISTRIBUTION	Communication	Brandt Vickers	Cv8347@att.com	(919) 758-6298	Utility Relocation Agreement
RALEIGH WATER	Water/Sewer	Nate Harvey	Nate.Harvey@kimley-horn.com	(919) 678-4083	TBD
DUKE ENERGY	Distribution Power	Jimmy Perry	Jimmy.Perry@duke-energy.com	(919) 805-1743	Utility Relocation Agreement
CHARTER COMMUNICATIONS	Communication	Robert Dabrowski	Robert.Dabrowski@charter.com	(919) 288-4867	Utility Relocation Agreement
WAKE ELECTRIC	Distribution Power	Chris Wright	Chris.Wright@wemc.gov	(919) 863-6385	NONE
Dominion Energy	Gas	Rhonda Lemon	Rhonda.Lemon@dominionenergy.com	(919) 268-2195	NONE

Utility Inventory

Below is the estimated inventory within the project area, comments and design decisions. Utility owners have yet to verify the correctness of the survey file.

AT&T		
Utility Specifics	QTY	Location
Cable Telephone Pole	3	Two poles can be found on the left and one on right side of Mitchell Mill Rd near bridge.
UG – Fiber Optic	300 LF	Along the right side of project dropping off communication pole between. Aerial portion crosses bridge diagonally.
Comments:	Diagonal line crossing bridge will conflict with proposed bridge construction.	
Design Decisions:	AT&T will follow Duke's future alignment per AT&T's representative.	

Raleigh Water		
Utility Specifics	QTY	Location
15" SANITARY GRAVITY SEWER (Ductile Iron)	817 LF	Crossing Mitchell Mill Rd and Watkins Pond
5' DIA UTILITY MANHOLE	4	A few manholes can be found alongside Mitchell Mill Rd.
Comments:	Raleigh Water currently owns a 20' private utility easement.	
Design Decisions:	None	

Duke Energy		
Utility Specifics	QTY	Location
Distribution Pole	1	Along Mitchell Mill Rd.
Over Head Power Lines	1,144 LF	Along both sides of Mitchell Mill Rd.
Comments:	None	
Design Decisions:	Duke pole north of proposed bridge will remain if possible as it should not conflict with initial roadway plans and bridge construction.	

Charter Communications		
Utility Specifics	QTY	Location
UG TV - Coax	294 LF	Along Mitchell Mill Rd. near the end of project limits.
Comments:	May not be negatively impacted.	
Design Decisions:	None	

Potential Utility Conflicts

Raleigh Water

Raleigh Water will not have conflicts with initial DRPS and redline design.

➤ **Update – 1/13/2025**

Raleigh Water has a gravity sewer manhole that is highly likely to be impacted if roadway is revised and widened per City of Raleigh request.

Duke Energy

Duke Energy has a pole that is around 10' off edge of pavement near existing bridge that may conflict with bridge construction.

➤ **Update - 1/7/2024**

Duke Energy and division personnel in separate streams of correspondence believe this pole will not conflict with proposed bridge construction.

➤ **Update - 2/11/2025**

Duke Energy's proposed alignment has moved further away from the bridge and is no issue with construction.

Chater

Charter's overhead line diagonally crosses the existing bridge. This line will conflict with bridge construction and will be removed before construction begins.

Utilities To Avoid

Raleigh Water – Gravity Sewer

Raleigh’s facilities are not in conflict with the Design Recommendation Plan Set (DRPS) or preliminary drainage (redline). If possible, please avoid these facilities as Raleigh has private utility easements. Relocation of these facilities will complicate utility relocation and increase project cost.

➤ **Update – 1/13/2025**

The City of Raleigh has requested to alter DRPS by adding an additional lane. This will impact on gravity sewer and possibly require relocation.

Environmental/Other Concerns

Environmental permitting will be necessary if clearing is needed along the right side of the project within wetland areas. Hydraulic design decisions may complicate both power and communication relocation efforts as there is limited non-wetland area within project area to relocate.

Appendix

N/A