

WIRE/CONDUIT/CABLE OCCUPANCY APPLICATION (NCRR FORM 210)

This form is to be used when submitting a utility occupancy application for an aerial or underground wire, conduit or cable. Use NCRR Form 220 for pipeline occupancy applications.

Please fill in all fields and direct cover letter including a project description, completed application, application fee and three (3) copies of the project plans to:

HNTB North Carolina, P.C.
Attn: Manager, NCRR Pipes and Wires
Occupancy Agreement Process
343 E. Six Forks Rd, Suite 200
Raleigh, North Carolina 27609

For NCRR / HNTB use only
File No. _____
NCRR ID #: _____

Plans for proposed installations are to be submitted to, and shall meet the approval of, North Carolina Railroad Company (NCRR). Applicant shall enter into an occupancy agreement with NCRR before any construction activities commence on-site. Materials and installation are to be in strict accordance with specifications of the American Railway Engineering and Maintenance-of-Way Association (AREMA), North Carolina Railroad Company, and the Operating Railroads (Norfolk Southern Corporation and/or CSX Transportation as appropriate). The information submitted with this signed application and the required number of copies shall be per the Pipeline and Underground/Aerial Wireline Occupancy Application Instructions (NCRR Form 230). The engineering and application fees to be submitted with this application are as stated in the current engineering fee schedule (HN-02).

PROJECT OWNER/APPLICANT INFORMATION

1. Owner's Legal Name*: _____
***Please ensure that the exact legal name is provided with no abbreviations.**
2. Owner's Street Address: _____
City: _____ State: _____ Zip: _____
3. Owner's Mailing Address (if different):
Street Address: _____
P.O. Box: _____
City: _____ State: _____ Zip: _____
4. Name of Owner's Representative: _____
Title: _____
Telephone Number: (____) _____ Ext. _____
Email: _____
5. Name of Owner's Contact for Billing Purposes: _____
Title: _____
Telephone Number: (____) _____ Ext. _____ Email: _____
Billing Address: Street: _____
City: _____ State: _____ Zip: _____

- 6. Billing: Owner prefers yearly or one-time non-assignable payment of occupancy fee.
- 7. Owner is a:
 - Corporation – State of formation: _____
 - Limited Partnership – State of formation: _____
 - Limited Liability Company – State of formation: _____
 - General Partnership – State of formation: _____
 - Sole Proprietorship – State of formation: _____
 - Individual – State of formation: _____
 - Government Entity – State of formation: _____
 - Other – State of formation: _____

Name and address of the owner’s engineer or consultant (i.e. the party that will coordinate the project – leave blank if none or same as applicant)

- 8. Company Name: _____
- 9. Contact Person Name: _____ Title: _____
Street Address: _____
City: _____ State: _____ Zip: _____
Telephone Number: (____) _____ Ext. _____
Email: _____

PROJECT INFORMATION

- 10. Proposed work involves (check all that apply):

<input type="checkbox"/> Installation of a new facility	Existing Agreement for Installation?
<input type="checkbox"/> New attachment to existing facility*	<input type="checkbox"/> Yes
<input type="checkbox"/> Upgrade to existing facility*	<input type="checkbox"/> No
	<input type="checkbox"/> Unknown

***Please include with the application a copy of the existing agreement between the applicant and North Carolina Railroad and/or Norfolk Southern Railway (or predecessors).**

- 11. Location of Installation:
 - Nearest Street: _____ Nearest Town: _____
 - County _____ State: NC
 - Latitude: _____
 - Longitude: _____

- 12. Railroad Milepost Reference: Milepost _____ * + _____ Feet

***Use the next lowest whole milepost adjacent to the project location + feet in the direction of increasing milepost from the milepost to the project location.**

Mainline – Increasing milepost from Greensboro (MP 284) to Charlotte (MP 375)
 H-Line – Increasing milepost from Goldsboro (MP H-0) to Goldsboro (MP H-130)
 EC-Line – Increasing milepost from Goldsboro (MP EC-0) to Morehead City (MP EC-94)

- 13. Orientation of proposed wireline installation:
 - Transverse crossing only – fill in #0 below
 - Longitudinal (parallel to tracks) only – fill in #15 below
 - Longitudinal and transverse crossing – fill in #0 below

14. For a transverse crossing over/under the tracks: Number of tracks to be crossed: _____
 Angle of crossing: _____
 Total Length of Crossing on NCRR Right-of-Way: _____ Feet

15. For a longitudinal occupancy only:
 Begin at Railroad Milepost (MP): Milepost _____ * + _____ Feet
 End at Railroad Milepost (MP): Milepost _____ * + _____ Feet
 Total length on NCRR right of way: Milepost _____ * + _____ Feet
 Min. distance from centerline of nearest track: _____ Feet

16. For a longitudinal and transverse crossing:
 Begin at Railroad Milepost (MP): Milepost _____ * + _____ Feet
 End at Railroad Milepost (MP): Milepost _____ * + _____ Feet
 Length Parallel: _____ Feet Length Crossing: _____ Feet
 Min. distance from centerline of nearest track of longitudinal portion: _____ Feet

17. Type of proposed installation:
 Cable TV Telephone Electric Power Communications
 Fiber Optic Other (please specify) _____

18. Installation is: Trunk Distribution Transmission Other

19. Conductors: Number: _____
 Material: Copper Aluminum Fiber Optic, fiber count _____
 AWG Gauge: _____

20. AC or DC: Voltage: _____ No. of Phases: _____ Amperes: _____ Hertz: _____

21. Maximum voltage: _____ Maximum Current: _____

22. Maximum fault to ground current: _____

23. Will installation be located entirely within the confines of a public street? Yes No

24. Will the installation connect to an existing facility within the NCRR right-of-way? Yes No
 If yes, identify owner: _____

25. Type of proposed installation:
 Aerial wireline Bore and Jack Jacking
 Direction boring/Horizontal Direction drilling Open Cut
 Other (please specify) _____

26. Facilities to be installed/utilized on NCRR right-of-way:

Type:	Quantity:	Nearest Distance to Centerline of Track:
<input type="checkbox"/> Manholes	_____	_____
<input type="checkbox"/> Handholes	_____	_____
<input type="checkbox"/> Pullboxes	_____	_____
<input type="checkbox"/> Poles (New)	_____	_____
<input type="checkbox"/> Poles (Existing)	_____	_____
<input type="checkbox"/> Other _____	_____	_____

***Show locations and dimensions on the drawings.**

27. Proposed construction:
 Start Date: _____ Duration: _____
 Name of contractor: _____
 Define any special specifications of the installation: _____

Underground Facilities

- 28. Total buried length on NCRR right-of-way: _____ Feet
- 29. Total Number of Conduits: _____ Number empty: _____ Number filled: _____
- 30. Number of cables or lines in each conduit: _____
- 31. Number of conductors in each cable or line: _____
- 32. Encasement Material: _____ Outside diameter: _____ Wall thickness: _____
- 33. Bury depth:
 - From base of rail to top of casing: _____ Feet
 - Minimum depth on right-of-way but not beneath tracks: _____ Feet
 - Below ditches: _____ Feet

Aerial Facilities

- 34. Total aerial length on NCRR right-of-way: _____ Feet
- 35. Number of cables or wires: _____
- 36. Type of wire supports: _____ Size: _____ False dead ends: _____
- 37. Height of wires above top of rail at 65°F: _____ Feet
- 38. Sag in Spans at 65°F: _____ Feet
- 39. Height of wires above Railroad communication and signal wires at 65°F: _____ Feet
- 40. Horizontal distance from railroad communication and signal wires: _____ Feet
- 41. Height of wire supports above ground: _____ Feet

Fiber Optic Facilities

- 42. Number of fibers per cable: _____
- 43. Identify each intended user of the conduit/cable: _____

Applicant's Checklist

The following is a checklist of items that shall be completed when submitting this application for a proposed Wire/Conduit/Cable Occupancy of NCRR right of way. Please place a check by all items listed below once they are included with the application package. For more detailed descriptions of the requirements below see Form NCR 101 "Specifications for Wire, Conduit and Cable Occupations of North Carolina Railroad Company Property."

Application Package to Include:

- Three (3) copies of completed Wire/Conduit/Cable Occupancy Application (Form NCRR 210)
- Three (3) copies (no larger than half-size, preferably 11"x17") of the design and construction plans including plan view and profile view of the proposed facility
 - Plans clearly show the extent of proposed work affecting the NCRR Corridor
 - Plans drawn and printed to scale (ensure no unintended scaling occurs during printing)
 - Plans sealed by a Professional Engineer licensed in the State of North Carolina (no crimped seals)
 - No aerial background shown on plans
- Three (3) copies of all specifications and computations for the proposed occupancy
 - Sealed by a Professional Engineer licensed in the State of North Carolina (no crimped seals)
- Non-refundable Engineering Review Fee (see Utility Engineering Fee Schedule)
 - Underground Facility Fee Included Aerial Facility Fee Included
- If any portion of a wireline occupancy is underground, include the following:
 - Pipe Data Sheet in accordance with Form NCR 102 Plate I
 - Soil borings in accordance with Form NCR 102 Section 3.1.

Plan and Profile Submittal Requirements

- All applicable requirements set forth in Form NCR 101 for all wireline occupancy applications
- Additionally, all applicable requirements set forth in Form NCR 102 if any portion of the wireline occupancy application is underground

General Plan View Requirements

- All existing and proposed railroad tracks shown and labelled
- North arrow
- Scale
- 'To' labels for the next town, city or station in either direction along the railroad
- Name of the town and county in which the proposed facility is located
- Angle of crossing relative to railroad track(s)
- Distance (in feet) to lowest milepost (see application)
- Show NCRR Corridor boundary and NCRR property lines with dimensions to the centerline of the nearest track and the overall width of the NCRR Corridor (Remove all other Right-of-Way or property boundaries within the NCRR Corridor)
- If occupancy is within or adjacent to a roadway at-grade crossing:
 - Show roadway edges of pavement, dimension width and roadway name
 - Show edges of pavement with dimensions from edge of road to centerline of proposed/existing poles
 - Show existing warning devices (flashers, gates, etc.) and clearances from devices to proposed wire line / poles

- Location of all existing and proposed poles and distance from edge of pole to nearest railroad track centerline
- Number of size and material of power wires, as well as number of pairs/fibers in communication cables
- Nominal voltage of line
- Base diameter, height, class and bury of poles
- Location, number, size and material of anchors and all guying for poles and arms
- Indicate any facilities to be abandoned
- Note in accordance with NCR 101 Section 1.6.1.8 regarding NCRR Specifications

Additional Plan View Requirements for Aerial Transverse Crossings and Longitudinal Occupancies

- Dimension distance between poles, from centerline of closest track to wireline, and show assigned pole numbers

Additional Plan View Requirements for Underground Transverse Crossings

- Dimension distance from the crossing to any turnouts
- Location of markers and an example of text on the proposed markers
- Note indicating method of installation
- Show launching and receiving pits that are within the NCRR Corridor. Dimension from the pits to the nearest centerline of track. Dimension the length, width and depth of the pits.
- Details of any excavation or sheeting necessary to install the conduit in accordance with NCR 102 Section 5.9.1.C
- Size and material of the conduit
- Length of the conduit on NCRR Corridor
- Cross section of the wireline showing the conduit, number of innerducts and, wires contained within each innerduct and if any innerducts are empty.
- Note in accordance with NCR 101 Section 1.6.1.8 regarding NCRR Specifications

Additional Plan View Requirements for Underground Longitudinal Occupancies

- Location of markers and an example of text on the proposed markers
- Location of existing above and below ground utilities
- Note indicating method of installation
- Size and material of the conduit
- Length of the conduit on NCRR Corridor
- Indicate the overall length of the occupancy on each page
- Cross section of the wireline showing the conduit, number of innerducts and, wires contained within each innerduct and if any innerducts are empty.

General Profile View Requirements

- Scale
- Indicate which direction the section is looking
- All existing and proposed railroad tracks shown
- Show and label NCRR Corridor boundary
- Show number and location of wires, voltage, power, ground and neutral wires, etc.
- Note in accordance with NCR 101 Section 1.6.1.8 regarding NCRR Specifications

Additional Profile View Requirements for Aerial Transverse Crossings

- Actual vertical clearance measured from top of high rail for each track to bottom of lowest wire/cable
- Location of poles and distance from edge of pole to nearest railroad track centerline
- Dimension span length across tracks from pole to pole
- Show distance from bottom of sag at 65°F to top of high rail
- Show pole top configuration and attachment heights of existing and proposed wires

Additional Profile View Requirements for Aerial Longitudinal Occupancies

- Show the top of rail profile of the nearest track
- Elevations
- Show assigned pole numbers
- Show pole top configuration or attachment heights for each wireline

Additional Profile View Requirements for Underground Transverse Crossings

- Show theoretical embankment lines for all existing and proposed tracks per NCR102 Section 4.3.1.F.5.
- Show launching and receiving pits that are within the NCRR Corridor. Dimension from the pits to the nearest centerline of track. Dimension the length, width and depth of the pits.

Additional Profile View Requirements for Underground Longitudinal Occupancies

- Show the top of rail profile of the nearest track

If the application is approved, the Applicant agrees to reimburse the North Carolina Railroad Company and the Operating Railroads for any cost incurred by the North Carolina Railroad Company and the Operating Railroads incident to installation, maintenance, and/or supervision necessitated by this wireline installation, and further agrees to assume all liability for accidents or injuries which arise as a result of this installation.

_____ (Date) _____ (Signature and Title of Officer Signing Application)

Please Type or Print: _____ (____) _____
Name Title Telephone Number