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.

Submit a cover letter, including a project description, and the completed application, application fee and one (1) copy 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 (NCR). 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 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: _____
   Street Address: _____
   City: _____ State: ____ Zip: _____
   Email: _____
   Telephone Number: (__) _____ Ext._____

5. Name of Owner's Contact for Billing Purposes: _____
   Title: _____
   Street Address: _____
   City: _____ State: ____ Zip: _____
   Email: _____
   Telephone Number: (__) _____ Ext._____

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: _____
   Email: _____
   Telephone Number: (__) _____ Ext._____

PROJECT INFORMATION

10. Proposed work involves (check all that apply)
    - ☐ Installation of a new facility
    - ☐ Revision to existing facility*
    - ☐ Upgrade to existing facility*

    Existing Agreement for Installation?
    - ☐ Yes
    - ☐ No
    - ☐ 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: _____
    Latitude: _____
    Longitude: _____

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

***Use the next lowest whole milepost adjacent to the project location + feet in the direction of increasing milepost to the project location. Applies to all milepost references in this application.**

Mainline – Increasing milepost from Greensboro (MP 284) to Charlotte (MP 375)
H-Line – Increasing milepost from Greensboro (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 #14 below
    - ☐ Longitudinal (parallel to tracks) only – fill in #15 below
    - ☐ Longitudinal and transverse crossing – fill in #16 below

14. For a transverse crossing under the tracks:
    Number of tracks to be crossed: _____
    Angle of crossing: _____
    Total Length of Crossing on the NCRR Corridor: _____ Feet
15. For a longitudinal occupancy only:
    Begin at Railroad Milepost: MP _____ + _____ Feet
    End at Railroad Milepost: MP _____ + _____ Feet
    Total Length of Crossing on the NCRR Corridor: _____ Feet
    Min. distance from centerline of nearest track of longitudinal portion: _____ Feet
16. For a longitudinal and transverse crossing:
    Begin at Railroad Milepost: MP _____ + _____ Feet
    End at Railroad Milepost: MP _____ + _____ 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 Corridor? ☐ Yes ☐ No
    If yes, identify owner: _____
25. Method 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 Corridor:

Type:	Quantity:	Nearest Distance to Centerline of Track:
☐ Manholes	_____	_____
☐ Handholes	_____	_____
☐ Pullboxes	_____	_____
☐ Poles (New)	_____	_____
☐ Poles (Existing)	_____	_____
☐ 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 the NCRR Corridor: _____ 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 the NCRR Corridor but not beneath tracks: _____ Feet
    Below ditches: _____ Feet

Aerial Facilities

34. Total aerial length on the NCRR Corridor _____ 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 Corridor. 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:

- ☐ One (1) copy of completed Wire/Conduit/Cable Occupancy Application (Form NCRR 210)
- ☐ One (1) copy (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
- ☐ One (1) copy 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 and label the NCRR Corridor boundary as "NCRR Corridor" and non-operating NCRR property lines as "NCRR Property" (Remove all other Right-of-Way or Property boundaries within the NCRR Corridor)
- ☐ Show dimensions from the NCRR Corridor boundary to the centerline of the NCRR Corridor, centerline of the nearest track and the overall width of 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.C.9 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.C.9 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
- ☐ Draw the profile perpendicular to the track centerline
- ☐ Indicate which direction the section is looking
- ☐ All existing and proposed railroad tracks shown
- ☐ Show and label NCRR Corridor boundary as “NCRR Corridor”
- ☐ Show number and location of wires, voltage, power, ground and neutral wires, etc.
- ☐ Note in accordance with NCR 101 Section 1.6.1.C.9 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 65oF 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 NCR 102 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