

**APPLICATION FOR PIPE OR WIRE OCCUPANCY**

*(Please fill out questions 1-7 and include these pages with your application)*

Please answer all questions and return to:

Norfolk Southern Director Real Estate  
Attn: Pipe, Wire, Cable Ind. Dev. App  
600 West Peachtree Street, Suite 1650  
Atlanta, GA 30308

**1) Legal Name and Address of Applicant (party to agreement)**

Legal Name\*\*: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**\*\*Please ensure that the exact legal name is provided with no abbreviations. This name, as well as the information below, will be used for agreement preparation.**

**2) Applicant is a (provide state of formation for corporation, limited liability companies and name of owner for sole proprietorship):**

- Corporation – State: \_\_\_\_\_
- Partnership (Limited/General) – State: \_\_\_\_\_
- Limited Liability Company - State: \_\_\_\_\_
- Sole Proprietorship – Name of Owner: \_\_\_\_\_
- Individual
- Government Entity
- Contractor Working Solely for NS (Dept. Name) \_\_\_\_\_
- Other (Specify): \_\_\_\_\_

**3) Name and Address of Applicant’s Representative:**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Company: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

**4) Location of Proposed Facility:**

Nearest City/Municipality: \_\_\_\_\_ County: \_\_\_\_\_  
State: \_\_\_\_\_ Closest Street: \_\_\_\_\_  
Closest Street Grade Crossing AARDOT #: \_\_\_\_\_  
GPS Coordinates: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Footage (\_\_\_\_\_) (direction) N/S/E/W from Railway Mile Post No. \_\_\_\_\_  
or center of public Highway Crossing or Bridge \_\_\_\_\_  
(Name of Street)

5) Will Facility be Located Entirely Within Confines of a Public Right of Way?

Yes \*                       No

\* If yes, provide conclusive evidence for verification (letter or memo) from the appropriate Road Authority indicating acceptance of proposed installation

Street width: \_\_\_\_\_ Street Right of Way width: \_\_\_\_\_

Road Authority Responsible for Street Maintenance

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact: \_\_\_\_\_

Telephone: \_\_\_\_\_

6) Facility to be Installed is a:

New facility                       Upgrade of an existing facility\*

\*If an upgrade, please identify and attach copy of current agreement for the facility.

7) Proposed Installation/Construction Date(s): \_\_\_\_\_

If application is approved, applicant agrees to reimburse Railway for any cost incurred by Railway incident to installation, maintenance, and/or supervision necessitated by this pipeline or wire line installation, and further agrees to assume all liability for accidents or injuries which arise as a result of this installation.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

**Aerial Wire Lines or Cable Lines**  
**(Complete all Applicable Information)**

- a. Type of Proposed Installation:
- i)  Transverse Crossing Only
  - ii)  Longitudinal (parallel to tracks) Occupancy Only
  - iii)  Longitudinal and Transverse Crossing(s)
  - iv)  Wire line in highway under railroad bridge
  - v)  Wire line on highway bridge over railroad
- b. Type of wire: (  ) Cable TV (  ) Telephone (  ) Electric Power (  ) Fiber Optic  
(  ) Other (Specify): \_\_\_\_\_
- c. Will poles be located on Railway's right of way?  
(  ) Yes (  ) No
- d. Are the poles existing or new poles? Steel or wood poles?  
(  ) Existing - (  ) Steel or (  ) Wood  
(  ) New - (  ) Steel or (  ) Wood
- e. Will there be any guy wires on the Railway's right of way?  
(  ) Yes, # of guy wires - \_\_\_\_\_ (  ) No
- f. Will wire line cross existing Railway communication and/or signal lines?  
(  ) Yes (  ) No
- g. Minimum height of wire above top of rail at 65°F \_\_\_\_\_ (ft.)  
Minimum height of wire above railroad communication and signal wires at 65°F  
\_\_\_\_\_ (ft.)
- h. Specification of Wire Line:  
Gauge of Wire: \_\_\_\_\_  
Total Number of Wires: \_\_\_\_\_  
Material of Wire: \_\_\_\_\_  
Maximum circuit voltage (phase to ground): \_\_\_\_\_  
**Total Number of Fibers or pairs in FOC:** \_\_\_\_\_  
Cable type and capacity: \_\_\_\_\_

All wire line applications shall include a Plan and Profile View of the proposed facility. See the NSCE-4 for the required format. Below is a suggested check-list for your plan development.

**Plan View** (See NSCE-4 Specification, Plate I)

- \_\_\_\_\_ All railroad tracks
- \_\_\_\_\_ Indicates distance (in feet) to Norfolk Southern Mile Post or Grade Crossing
- \_\_\_\_\_ Angle of Crossing relative to railroad track(s)
- \_\_\_\_\_ Dimensioned Property Lines
- \_\_\_\_\_ Location of Poles and distance to butt of pole to nearest railroad track centerline
- \_\_\_\_\_ Location of all existing Railway pole lines and all utility lines

- \_\_\_ Indicate span length across tracks from pole to pole
- \_\_\_ Location of Railway pole lines or signal facilities
- \_\_\_ Location of any above ground utilities
- \_\_\_ If proposed wire line is within highway limits or in the vicinity of a grade crossing, location and type of grade crossing traffic control devices (Mast flashers, cantilever flashers, gates, etc.) and clearance from existing devices to proposed wire line

**Cross Section View (See NSCE-4 Specification, Plate II)**

- \_\_\_ All Railway tracks
- \_\_\_ Dimensioned Property Lines
- \_\_\_ Location of Poles and distance to butt of pole to nearest Railway track centerline
- \_\_\_ Vertical clearance from top of rail of all tracks to bottom of sag
- \_\_\_ Location of all existing Railway pole lines and all utility lines
- \_\_\_ Vertical clearance from existing Railway pole lines and proposed wire line
- \_\_\_ Indicate span length across tracks from pole to pole
- \_\_\_ If proposed wire line is within highway limits or in the vicinity of a grade crossing, location and type of grade crossing traffic control devices (Mast flashers, cantilever flashers, gates, etc.) and clearance from existing devices to proposed wire line

## Underground Wires and Conduits (Complete all Applicable Information)

- a) **Type of Proposed Installation:**
- i)  Transverse Crossing Only
  - ii)  Longitudinal (parallel to tracks) Occupancy Only
  - iii)  Longitudinal and Transverse Crossing(s)
  - iv)  Wire line in highway under Railway bridge
  - v)  Wire line on highway bridge over Railway
- b) **Type of wire:** (  ) Cable TV (  ) Telephone (  ) Electric Power (  ) Fiber Optic  
(  ) Other (Specify): \_\_\_\_\_
- c) **Specification of Wire Line:**
- Gauge of Wire: \_\_\_\_\_  
Material of Wire: \_\_\_\_\_  
Maximum circuit voltage (phase to ground): \_\_\_\_\_  
Total Number of Fibers or pairs in FOC: \_\_\_\_\_  
Cable type and capacity: \_\_\_\_\_
- d) **Specification of Conduit (Encasement):**
- Material: \_\_\_\_\_  
Material Yield Strength (psi) \_\_\_\_\_  
Inside Diameter: \_\_\_\_\_  
Outside Diameter: \_\_\_\_\_  
Wall Thickness: \_\_\_\_\_
- e) **Will conduit be a casing pipe for multiple innerducts?**  
(  ) Yes\* (  ) No
- \*If yes, provide a cross section of the casing pipe indicating all innerducts with the content of each innerduct clearly labeled. Spare ducts shall be clearly indicated.**
- f) **Proposed method of installation (Check proposed method):**  
**WET BORES OR WATER JETTING IS NOT PERMITTED.**
- i)  Bore and jack (See Section 5.1.3 of NSCE-8)
  - ii)  Jacking (See Section 5.1.4 of NSCE-8)
  - iii)  Tunneling (Tunnel Liner Plate) (See Section 5.1.5 of NSCE-8)
  - iv)  Direction Boring/Horiz. Direction Drilling – Method A (See Section 5.1.6 of NSCE-8)
  - v)  Direction Boring/Horiz. Direction Drilling – Method B (See Section 5.1.6 of NSCE-8)
  - vi)  Open Cut (See Section 5.1.2 of NSCE-8)
  - vii)  Other (Specify): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All underground conduit applications must include a Pipe Data Sheet, Plan and Profile View of the proposed facility. See the NSCE-4 and NSCE-8 for the required format. Below is a suggested check-list for your plan development.

**Pipe Data Sheet** (blank copy attached)

**Plan View of Crossing** (See NSCE-8 Specification Plate II, check blanks to verify complete plans)

- \_\_\_ All Railway tracks, including distance to any turnouts from proposed conduit
- \_\_\_ Indicates distance (in feet) to Norfolk Southern Mile Post or Grade Crossing
- \_\_\_ Angle of Crossing relative to Railway track(s)
- \_\_\_ Dimensioned Property Lines
- \_\_\_ Location of Signs (preferably located at edge of Property or Right of Way Lines)
- \_\_\_ Location of Railway pole lines or signal facilities
- \_\_\_ Location of any above or below ground utilities
- \_\_\_ Conduit casing pipe length
- \_\_\_ If proposed conduit is within highway limits, show the location and type of grade crossing traffic control devices (Mast flashers, cantilever flashers, gates, etc.)
- \_\_\_ Location of launching and receiving pits

**Profile View of Crossing** (See NSCE-8 Specification Plate III)

- \_\_\_ Profile of ground above crossing
- \_\_\_ Dimensioned Property Lines
- \_\_\_ Theoretical Railway embankment lines (see NSCE-8, Section 4.3.1.F)
- \_\_\_ Proposed location and elevations of launching and receiving pits
- \_\_\_ Casing pipe length
- \_\_\_ Bottom of rail elevation
- \_\_\_ Depth of cover between bottom of rail and top of conduit or casing pipe
- \_\_\_ Location of and the minimum depth of cover from ground line to top of conduit or casing pipe on right of way (such as ditches)

**Pipeline**  
**(Complete all Applicable Information)**

- a) Type of Proposed Installation:
  - i)  Transverse Crossing Only
  - ii)  Longitudinal Occupancy Only
  - iii)  Longitudinal and Transverse Crossing(s)
  - iv)  Pipeline in highway under Railway bridge
  - v)  Pipeline on highway bridge over railroad
  - vi)  Pipeline bridge over Railway
- b) Material to be conveyed: \_\_\_\_\_
- c) Diameter of carrier pipe: \_\_\_\_\_
- d) Diameter of casing pipe: \_\_\_\_\_
- e) Proposed method of installation (Check proposed method)
  - i)  Bore and jack (See Section 5.1.3 of NSCE-8)
  - ii)  Jacking (See Section 5.1.4 of NSCE-8)
  - iii)  Tunneling (Tunnel Liner Plate) (See Section 5.1.5 of NSCE-8)
  - iv)  Direction Boring/Horiz. Direction Drilling – Method A (See Section 5.1.6 of NSCE-8)
  - v)  Direction Boring/Horiz. Direction Drilling – Method B (See Section 5.1.6 of NSCE-8)
  - vi)  Open Cut (See Section 5.1.2 of NSCE-8)
  - vii)  Other (Specify): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All proposed transverse pipeline crossing applications shall include the following:

- a. **Pipe Data Sheet** (blank copy attached)
- b. **Plan View of Crossing** (See NSCE-8 Specification Plate II, below is a suggested check-list for your plan development)
  - All Railway tracks, including distance to any turnouts from proposed pipeline
  - Indicates distance (in feet) to Norfolk Southern Mile Post or Grade Crossing
  - Angle of Crossing relative to Railway track(s)
  - Dimensioned Property Lines
  - Location of Valves (if required by NSCE-8)
  - Location of Vents (if required by NSCE-8)
  - Location of Signs (preferably located at edge of Property or Right of Way Lines)
  - Location of Railway pole lines or signal facilities
  - Location of any above or below ground utilities
  - If proposed pipeline is within highway limits, show the location and type of grade crossing traffic control devices (Mast flashers, cantilever flashers, gates, etc.)
  - Casing pipe length
  - Location of launching and receiving pits
- c. **Profile View of Crossing** (See NSCE-8 Specification Plate III, below is a suggested check-list for your plan development)
  - Profile of ground above crossing
  - Distance to Valves (if required by NSCE-8)
  - Distance to Vents and height above ground (if required by NSCE-8)

- \_\_\_ Distance to Signs
- \_\_\_ All known property lines
- \_\_\_ Theoretical Railway embankment lines
- \_\_\_ Proposed location and elevations of launching and receiving pits
- \_\_\_ Casing pipe length
- \_\_\_ Bottom of rail elevation
- \_\_\_ Depth of cover between bottom of rail and top of casing pipe (or carrier pipe if casing pipe not required)
- \_\_\_ Location of and the minimum depth of cover from ground line to top of casing pipe on right of way (such as ditches)

d.

General Notes

**All plans shall include the following General Notes:**

Contractor shall follow all requirements of Norfolk Southern's NSCE-8 Specifications

Pipe Line and Crossing to be installed and maintained in accordance with last approved AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION Specifications for Pipelines Conveying Flammable and Non-flammable Substances

**Blasting Not Permitted**

## PIPE DATA SHEET

	CARRIER PIPE	CASING PIPE
CONTENTS TO BE HANDLED		
NORMAL OPERATING PRESSURE		
NOMINAL SIZE OF PIPE		
OUTSIDE DIAMETER		
INSIDE DIAMETER		
WALL THICKNESS		
WEIGHT PER FOOT		
MATERIAL		
PROCESS OF MANUFACTURE		
SPECIFICATION		
GRADE OR CLASS		
TEST PRESSURE		
TYPE OF JOINT		
TYPE OF COATING		
DETAILS OF CATHODIC PROTECTION		
DETAILS OF SEALS OR PROTECTION AT END OF CASING		
METHOD OF INSTALLATION		
CHARACTER OF SUBSURFACE MATERIAL		
APPROXIMATE GROUND WATER LEVEL		
SOURCE OF INFORMATION ON SUBSURFACE CONDITIONS		