

APPLICATION FOR PIPE OR WIRE OCCUPANCY

Please answer all questions and direct cover letter / project description, completed application, application fee, and three (3) copies of project plans to:

AECOM
1700 Market Street
16th Floor
Philadelphia, PA 19103
(215) 735-0832
Attn: NS Pipe and Wire Administrator

- 1) Legal name and address of Project Sponsor (i.e. the party that will operate and maintain the facility) for use in preparation of official documents:

Legal Name*: _____
Street: _____
City: _____ State: _____ Zip: _____
Taxpayer ID#: _____

*Please ensure that the exact legal name is provided with no abbreviations.

Sponsor's Contact Information:

Contact Name: _____
Title: _____
Street: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____
E-Mail Address: _____

Sponsor is a:

- Corporation – give state of formation: _____
- Limited Partnership – give state of formation: _____
- Limited Liability Company – give state of formation: _____
- General Partnership – give state of formation: _____
- Sole Proprietorship – give state of formation: _____
- Individual
- Government Entity
- Other (and state of formation): _____

- 2) Name and Address of Project Sponsor's Representative or Consultant (i.e. the party that will coordinate the project, leave blank if none or same as Sponsor):

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



3) Provide location information as outlined below:

City/Municipality: _____ County: _____ State: _____

GPS Coordinates: Latitude: _____ Longitude: _____

Distance _____ (feet) and direction (N/S/E/W) from Railroad Mile Post No. _____ or from centerline of public grade crossing or bridge carrying _____ (name of road), AAR/DOT Crossing Number _____

4) Will the portion of the project that impacts railroad property lie entirely within an existing public road right of way?

Yes* No

*** If yes, provide conclusive evidence in the form of a letter or memo from the appropriate Road Authority indicating that proposed installation is acceptable to the Road Authority**

Street pavement width: _____ Street Right of Way width: _____

Road Authority Responsible for Street Maintenance:

Name: _____
Street: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____
E-Mail Address: _____

5) Proposed work involves (check all that apply):

- Installation of a new facility
- Inspection or routine maintenance of an existing facility*
- Replacement or change in the character and content of an existing facility*

***Please include with the application a copy of the existing agreement between the Project Sponsor and Norfolk Southern (or its predecessor) to ensure prompt handling**

6) Proposed timeframe for construction:

Start Date: _____ Duration: _____

7) Is this project being performed per Norfolk Southern request? If so, provide the following information about the Norfolk Southern employee who requested the work:

Name: _____ Title: _____
Phone: _____ E-mail: _____
Reason for Request: _____

Submission of this application does not guarantee project acceptance by Norfolk Southern or convey any right to enter Norfolk Southern property.

Signature: _____ Date: _____



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 – please specify: _____

- c) Are the poles existing or new poles? Steel or wood poles?
 Existing: Steel or Wood
 New: Steel or Wood

- d) Will there be any guy wires on or over the Railroad right of way?
 Yes, number of guy wires - _____ No

- e) Will wire line cross existing Railroad communication and/or signal lines?
 Yes No

- f) Minimum height of wire above top of rail at 65°F _____ (feet)
 Minimum height of wire above railroad communication and signal wires at 65°F _____ (feet)

- g) Specification of Wire Line:
 Gauge of Wire: _____
 Total Number of Wires: _____
 Material of Wire: _____
 Maximum circuit voltage: _____
 Total Number of Fibers or Pairs in Cable: _____

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 for sample plan)

- All railroad tracks shown
- 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 from edge of pole to nearest railroad track centerline
- Location of all existing railroad communications lines and all utility lines
- 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 / poles

Profile View (See NSCE-4 Specification, Plate II for sample plan)

- All railroad tracks shown
- Dimensioned Property Lines
- Location of Poles and distance from edge of pole to nearest railroad track centerline
- Vertical clearance from top of rail to bottom of sag for all tracks
- Location of all existing railroad communications lines and all utility lines
- Vertical clearance between existing railroad 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 railroad bridge
 - v) Wire line on highway bridge over railroad

- b) Type of wire: Cable TV Telephone Electric Power Fiber Optic
 Other – please specify: _____

- b) Gauge of Wire: _____
 Total Number of Wires: _____
 Material of Wire: _____
 Maximum circuit voltage: _____
 Total Number of Fibers or Pairs in Cable: _____

All underground conduit applications shall include the following:

Conduit Data Sheet (next page)

Plan View of Crossing (See NSCE-8 Specification Plate II for sample, below is a checklist for your plan development)

- All railroad tracks, including distance to any track switches or turnouts from proposed conduit
- 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 Conduit Marker Signs (preferably located at edge of Property or Right of Way Lines)
- Location of all existing railroad communications lines and all utility lines
- Location of any fiber-optic cables parallel to tracks
- 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 for sample, below is a checklist for your plan development)

- All Railroad Tracks
- Profile of ground above crossing
- Dimensioned Property Lines
- Theoretical Railroad embankment lines (see NSCE-8, Section 4.3.1.F.6)
- 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 (including ditches)



CONDUIT DATA SHEET
 (For Telecom and Power Conduits only, 6" in diameter or less)

	CONDUIT / CASING PIPE
NOMINAL SIZE OF PIPE	
MATERIAL	
OUTSIDE DIAMETER	
INSIDE DIAMETER	
WALL THICKNESS - must be at least 0.188"	
TYPE OF COATING	

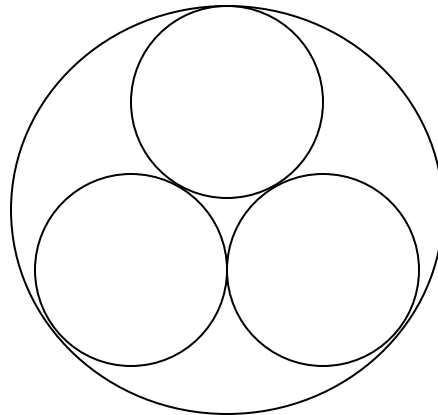
Proposed Method of Installation (Given sections refer to NSCE-8 Specification)

- Jack & Bore (Section 5.1.3)
- Directional Boring Method "A" (Section 5.1.6) – *must have at least 10' depth below base of rail*
- Directional Boring Method "B" (Section 5.1.6) – *only for casings 6 inches or less in diameter*
- Open Cut (Section 5.1.2) – *All installations directly under any track must be designed as a bored installation. Open cut installations will be considered on a case-by-case basis by Norfolk Southern's Division Superintendent at the time of installation.*
- Other – Please Specify: _____

MULTIPLE INNERDUCTS

NUMBER OF INNERDUCTS WITHIN CASING PIPE: _____

- Provide a detail or cross section of the casing pipe with innerducts (see below).
- Clearly mark the type of facility that will be installed within each innerduct. If innerduct will be left spare or empty, please identify as such.



Pipeline (Complete all Applicable Information)

Type of Proposed Installation:

- i) Transverse Crossing Only
- ii) Longitudinal (parallel to tracks) Occupancy Only
- iii) Longitudinal and Transverse Crossing(s)
- iv) Pipeline in highway under railroad bridge
- v) Pipeline on highway bridge over railroad
- vi) Pipeline bridge over railroad

All proposed transverse pipeline crossing applications shall include the following:

Pipe Data Sheet (next page)Plan View of Crossing (See NSCE-8 Specification Plate II, below is a checklist for your plan development)

- All railroad tracks, including distance to any track switches or turnouts from proposed pipeline
- 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 Valves (NSCE-8 section 4.9)
- Location of Vents (if required by NSCE-8 section 4.6)
- Location of Pipeline Marker Signs (preferably at edge of Property or Right of Way Lines)
- Location of all existing railroad communications lines and all utility lines
- Location of any fiber-optic cables parallel to tracks
- 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

Profile View of Crossing (See NSCE-8 Specification Plate III, below is a checklist for your plan development)

- All railroad tracks
- Profile of ground above crossing
- Distance to Valves
- Distance to Vents and height above ground (if required by NSCE-8)
- Distance to Pipeline Marker Signs
- Dimensioned Property Lines
- Theoretical Railroad embankment lines (per section 4.3.1.F.6 of the NSCE-8)
- 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 (or carrier pipe if casing not required) on right of way (including ditches)

General Notes

All plans shall include the following General Notes:

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

Pipeline 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		
CHARACTER OF SUBSURFACE MATERIAL		
APPROXIMATE GROUND WATER LEVEL		
SOURCE OF INFORMATION ON SUBSURFACE CONDITIONS		

Proposed Method of Installation:

- Bore and jack (per Section 5.1.3 of NSCE-8)
 Jacking (per Section 5.1.4 of NSCE-8)
 Tunneling (with Tunnel Liner Plate) (per Section 5.1.5 of NSCE-8)
 Directional Bore/Horizontal Direction Drilling – Method A (per Section 5.1.6 of NSCE-8)
 Directional Bore/Horizontal Direction Drilling – Method B (per Section 5.1.6 of NSCE-8)
 Open Cut (per Section 5.1.2 of NSCE-8). *All installations directly under any track must be designed as a bored installation. Open cut installations will be considered on a case-by-case basis by Norfolk Southern's Division Superintendent at the time of installation.*
 Other (Specify): _____