

(10/2025)



TECHNICAL DETAILS FOR UNDERGROUND WIRELINE OCCUPANCIES

(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) Specification of Wire Line:

Gauge of Wire: _____
 Material of Wire: _____
 Max. circuit voltage for Electric Power line: _____
 Max. circuit voltage for secondary circuits: _____
 Total Number of Fibers in FOC: _____
 Total Number of Pairs in Telephone: _____
 Cable type and capacity: _____

d) Specification of Conduit (Encasement):

Please use Plate I from the VPRA Specification for Wireline Occupancy.

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. **See last page of this application for Conduit Data Sheet and an example of a cross section.**

f) Proposed method of installation (Check proposed method):

WET BORES OR WATER JETTING IS NOT PERMITTED.

- i) _____ Bore and Jack (Steel Pipe) (See Section 2.3.5 of VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY)
- ii) _____ Direction Boring/Horizontal Direction Drilling – Method A (See Section 2.3.6 of VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY)
- iii) _____ Direction Boring/Horizontal Direction Drilling – Method B (See Section 2.3.7 of VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY)
- iv) _____ Other (Specify)

(10/2025)



All underground wireline applications must include a Conduit Data Sheet, Plan and Profile View of the proposed facility. See the VPRA SPECIFICATIONS FOR WIRELINE and the VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY for the required format. Below is a suggested checklist for your plan development.

Conduit Data Sheet (blank copy attached)

Plan View of Crossing (See VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY Plate II, check blanks to verify complete plans)

- ____ All railroad tracks, including distance to any turnouts from proposed conduit
- ____ Indicates distance (in feet) to railroad mile post or grade crossing
- ____ Angle of crossing relative to railroad track(s)
- ____ Dimensioned property lines
- ____ Location of signs (preferably located at edge of property or right-of-way lines)
- ____ Location of railroad pole lines or signal facilities
- ____ Location of any above or below ground utilities
- ____ Indicate total length of wireline occupying the right of way
- ____ 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 VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY Plate III)

- ____ Profile of ground above crossing
- ____ Dimensioned property lines
- ____ Theoretical railroad embankment lines (see VPRA SPECIFICATIONS FOR WIRELINE OCCUPANCY PLATE VII)
- ____ Proposed location and elevations of launching and receiving pits
- ____ Casing pipe length
- ____ Indicate total length of wireline occupying the right of way
- ____ 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)

Form RE-04

(10/2025)

