




Function: Infrastructure & Planning - 04  
Department: Public Works – 040  
**Policy No.: 005**

# Pipeline Installation, Road Crossings and Utility Crossing Policy

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Effective Date: June 13, 2019  
Review Date: June 13, 2024  
Cancel: Policy 314 Utility Line – Pipe or Cable Crossing Standards,  
Policy 314-1 Utility and Pipeline Crossing Approvals,  
Policy 309-1 Pipeline Road Crossing Requests – Oil and Gas Industry,  
Policy 398 Pipeline Road Crossing Agreement,  
Policy 312 Road Damage Repairs  
Resolution #: 406-19

CAO Signature: 

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**Purpose:** The purpose of this Policy is to permit, with guidelines/conditions the placement and road crossing(s) of underground (buried) pipeline installations within or adjacent to County road Right-of-Ways (ROW), in a manner to prevent and/or control damages to County roads.

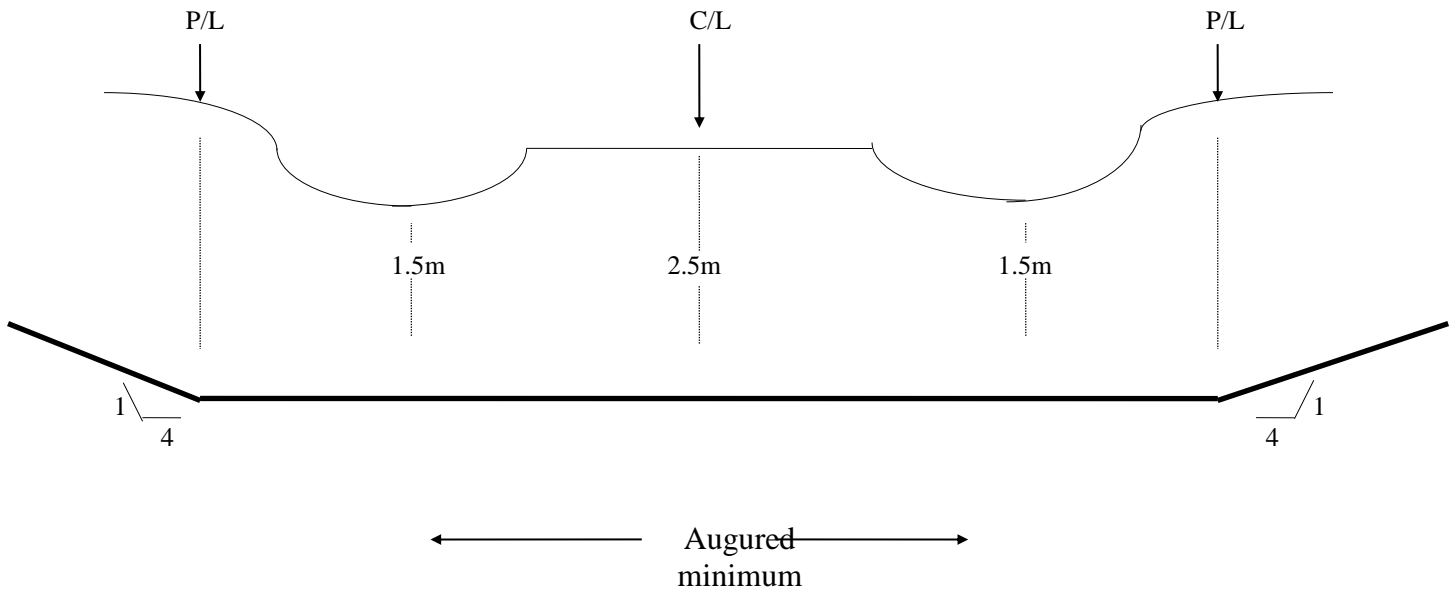
- Guidelines:**
1. Buried pipelines parallel to the roadway Right-of-Way (ROW) will not be permitted within the road allowance right-of-way and must be a minimum of ten (10) meters from the edge of the road allowance.
  2. A Pipeline Owner/Applicant may be permitted to cross a municipal road Right-of-Way (ROW) in accordance to the following guidelines:
    - a) All road crossings shall be a minimum of 1.5 meters (4.92 feet) below the lowest part of the ditch. A greater depth may be required in cases where road improvements are proposed. The applicant shall bear the cost of the first relocation if required in the future by Lac Ste. Anne County. The County will bear the cost of a second or subsequent relocation if required in the future.
    - b) Schedule “A” Utility Line – Pipe or Cable Crossing Standards.

- c) The depth of road crossings shall be maintained throughout the entire width of the right-of-way. No horizontal or vertical bends or the use of mechanical joints such as flanges or transition fittings will be permitted in the portion of the pipeline within the boundaries of the municipal road right-of-way.
- d) No open-cut methods are permitted for installing pipelines at any crossing of a developed road allowance right-of-way unless otherwise approved by the General Manager of Infrastructure & Planning. Use of open-cut or plough-in methods at any crossing of an undeveloped road allowance right-of-way may be permitted with approval from the General Manager of Infrastructure and Planning. No open excavation shall be less than four (4) meters (13.2 feet) from the shoulder of the road. Closed boring methods shall be used in non-cohesive soil conditions.
- e) Construct and lay the pipelines as close to a ninety-degree (90°) angle as possible to the road, unless otherwise approved by the General Manager of Infrastructure & Planning.
- f) Provide the General Manager of Infrastructure & Planning no less than 30 days' notice in advance before commencing construction or maintenance work involving a ground disturbance. A non-refundable application /inspection fee (as set out by the current LSAC Fees Bylaw) per road crossing request is required.
- g) Ensure that all work carried out in the crossing area has sufficient and proper traffic control, safety devices, warning devices or flagmen as necessary to ensure the safe passage of traffic.
- h) Carry out such work in the crossing area only during daylight hours, except if required otherwise in cases of emergency.
- i) Permit the County to have a representative present to inspect such work.
- j) Install and maintain suitable markers indicating the location of the pipelines in the crossing area.
- k) No open excavation shall be closer than six (6) meters from a bridge pier or earth retaining structure.
- l) No material or equipment shall be deposited or stored any closer than 0.6 meters from the outside edge of the municipal road right-of-way and no cleated equipment shall be permitted to operate on a paved surface.
- m) Provide verbal notice to the General Manager of Infrastructure & Planning or his designate prior to backfilling of any excavation within the crossing area to enable the General Manager of Infrastructure &

Planning to make a final inspection. The backfilling of all trenches in the road allowance or within six (6) meters of a bridge pier or earth retaining structure shall be undertaken immediately after the line has been installed and has passed any necessary inspection. Backfill material shall be thoroughly tamped in fifteen (15) centimeter layers with mechanical tampers and the Owner/applicant will be held responsible for any backfill settling in for a period of one (1) year after the completion of the work and final inspection.

- n) As soon as is reasonably practicable after the completion of the work, restore the crossing area as closely as is practical to the condition in which it existed immediately prior to the work. All waste material shall be removed, and all disturbed areas shall be leveled and trimmed and reseeded when necessary. If the operator fails to remedy an inadequately restored crossing area within ninety (90) calendar days of being notified, the General Manager of Infrastructure & Planning may take reasonable measures to complete the required restoration, the cost of such restoration to be borne by the Owner/applicant.
- o) Existing drainage to be accommodated and not altered.
- p) All trees, brush and other debris removed in the clearing operation, if required, must be completely disposed of to the satisfaction of Alberta Environment and Sustainable Resources. In no circumstance shall trees, brush and debris be buried within the municipal road right-of-way.
- q) A Pipeline Road Crossing Agreement provided by Lac Ste. Anne County must be completed and accepted prior to any pipeline crossing, road crossing and/or utility crossings.

**"Utility Line - Pipe or Cable Crossing Standards"**



- **No open cuts**, unless at an undeveloped road allowance
- (with prior approval from the General Manager of Infrastructure or Designate)
- Crossings should be made as nearly perpendicular as possible to the road alignment; or
- Parallel to other existing crossings in the immediate area adjacent.
- If parallel to road boundary, place at the depth indicated above, in backslope, 1-2m inside the road allowance limits.
- This approval is based on the standard indemnification clause in your application letter and on the condition that any installations are moved, or removed, at TransAlta Utilities Corporation expense when so requested by Lac Ste. Anne County."