

# Castle Rock Ridge to Chapel Rock Transmission Project: Fibre optic cable

As part of the Castle Rock Ridge to Chapel Rock Transmission Project, AltaLink is proposing to construct an underground **fibre optic cable** link between the proposed Chapel Rock Substation and a location near Highway 3. This fibre optic cable will allow our facilities to communicate more effectively, providing our control centres with valuable data that will be used to maintain the reliability of Alberta's electric system.

This fibre optic cable will only be built if the Chapel Rock Substation proposed at designation point D30, shown on the map to the right, is approved by the Alberta Utilities Commission (AUC).

The fibre optic cable will:

- be approximately 5 kilometres (3.1 miles) long
- be inserted in conduit approximately 32 millimetres (1.25 inches) in diameter
- be buried approximately one metre (3.2 feet) underground within road allowance or easements on private land
- be directionally drilled, a tunneling technique that is expected to have minimal impact on approaches such as roads and driveways, in some areas

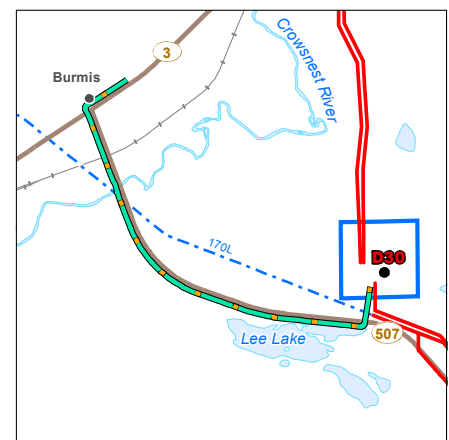
The fibre optic cable is currently proposed on the south side of Highway 507 but may need to be placed on the north side of the highway in order to avoid obstacles or existing buried facilities.

As the cable will be buried, there will be minimal visual impact after construction is complete. During construction, you may notice work crews, heavy equipment and materials at and around the construction sites. In an effort to minimize disruption, we will be notifying nearby residences and landowners a few weeks prior to construction activities commencing in the area and crews will only operate during regular working hours. AltaLink will contact landowners prior to entering their lands. Please note there may be some temporary traffic delays during construction.









#### DEFINITION:

### Fibre optic cable

AltaLink's fibre optic cables transmit data signals between substations and are part of a larger telecommunications system in Alberta. This telecommunications system allows AltaLink control centres to actively monitor the electric system, ensuring it runs safely and reliably.



#### LEGEND

 Potential Underground Fibre Optic Build	 Hamlet or Locality
 Proposed Transmission Line	 Railway
 Existing Transmission Line	 Highway
 Proposed Substation Target Area	 Water Body

*Let's talk transmission*

[www.facebook.com/  
altalinktransmission](http://www.facebook.com/altalinktransmission)



[www.twitter.com/altalink](http://www.twitter.com/altalink)



## Anticipated project schedule

Notify stakeholders	November 2015
File application with Alberta Utilities Commission (AUC)	Late 2015

Although we attempt to follow the anticipated project schedule it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.

This project will be included in the facilities application we submit to the AUC for the Castle Rock Ridge to Chapel Rock Transmission Project. The AUC ensures the fair and responsible delivery of Alberta's utility services.



*Above: Fibre optic cable being buried. You may see similar construction activities in your area.*

**Thank you for your cooperation.**

If you have any questions or concerns regarding the project, please contact us at 1-877-269-5903 or [stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca).

*To learn more about the application and review process, please contact:*

**ALBERTA UTILITIES COMMISSION (AUC)**

780-427-4903 (toll-free by dialing 310-0000 before the number.)

E-mail: [consumer-relations@auc.ab.ca](mailto:consumer-relations@auc.ab.ca)



**CONTACT US**

**1-877-269-5903**

**[www.altalink.ca](http://www.altalink.ca)**