

Pipeline Construction



In the US, the permanent right-of-way easements will be 50 feet (15 meters) wide, with an additional 60 feet (18 meters) of temporary workspace.

In addition, in both Canada and the U.S., additional temporary work space will be required at certain highway, railway, existing pipeline corridors watercourse crossing and at other site specific locations, to accommodate pipeline construction activities.

Crude oil pipeline construction involves burying continuous sections of pipeline underground and building above-ground facilities to support the pipeline operation. Above ground facilities for the Keystone XL Pipeline will include 41 pump stations (33 in the U.S. and 8 in Canada), which essentially push the crude oil through the pipeline.

Subject to receiving the required regulatory approvals, construction of Keystone XL is planned from 2010 to 2011. A number of construction crews or spreads will be working simultaneously on different sections of the pipeline route in Canada and the U.S. Each spread will have a peak workforce of approximately 500 to 650.



The Keystone XL Pipeline will be built using the latest, most proven technology and techniques to ensure the safe and reliable delivery of crude oil, with minimum impact to land and the environment. Public and employee safety, as well as environmental protection, are key elements in the planning of pipeline construction.

No construction work will begin until commercial agreements are in place, regulatory approvals have been received and easements have been acquired from landowners.

The Right-of-Way

Pipelines are built on rights-of-way, which are strips of land where the pipeline company has acquired easement rights to safely construct and operate the pipeline.

In Canada, the permanent right-of-way easements will vary from 13 to 20 meters (42 to 66 feet) with an additional 12 to 19 meters (40 to 63 feet) of temporary work space required.

The proposed Keystone XL project is a partnership between TransCanada and ConocoPhillips.



Pipeline Construction

Sequence of Typical Construction Activities

1. Clearing and grading the right-of-way

Trees, brush and crops are removed and a working surface is then prepared by stripping off the topsoil layer and grading the subsoil to create a level work surface. The topsoil is preserved separately from the subsoil so that it may be returned to the right-of-way after construction.

2. Stringing the pipe

The pipe, which has been pre-treated with a corrosion inhibiting coating, is distributed in varying lengths along the right-of-way (up to 24 meters, or 80 feet), then bevelled and bent to suit the contours of the land and, finally, prepared for welding.

3. Welding / Inspection

Sophisticated technology is used to weld the pipe together in one string and each weld is inspected to meet strict safety and quality assurance requirements.

4. Ditching, coating and installing pipe

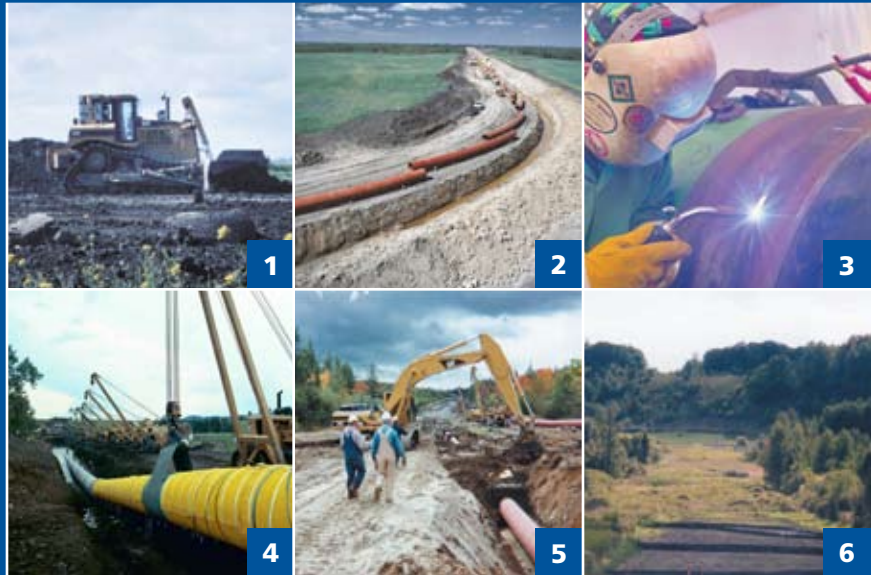
Excavating equipment is used to dig the ditch. Then, the pipe is placed in the ditch. Finally, the welded joints are coated for corrosion protection and the pipeline is inspected.

5. Backfilling and final cleanup

The subsoil is used to cover the pipe in the trench and is then covered with the original topsoil.

6. Right-of-way reclamation

Care is taken to return the land to a condition as close as possible to its previous state (prior to construction). Environmental protection plans are implemented to stabilize the right-of-way and promote the re-establishment of a vegetative cover, where appropriate.



Contact

For more information, please call our toll free project number (1.866.717.7473) or use our project-specific email address keystone@transcanada.com

Alternatively, you can refer to our website at www.transcanada.com/keystone/kxl or write attention to:

In Canada

TransCanada Keystone XL Project Team
450 – 1st Street S.W.
Calgary, Alberta
Canada T2P 5H1

In the U.S.

TransCanada Keystone XL Project Team
7505 NW Tiffany Springs Parkway
Northpointe Circle II Suite 400
Kansas City, MO 64153

Landowner Inquiries

Canada (toll free) 1.866.412.5263
U.S. (toll free) 1.866.585.7063

The proposed Keystone XL protect is a partnership between TransCanada and ConocoPhillips.

