



Southcross Energy

GENERAL REQUIREMENTS FOR CROSSING SOUTHCROSS PIPELINES WITH PIPELINES/ROADS/UTILITY LINES

We appreciate the opportunity to work with you and your company in the early planning stages of your development activity.

Working together and following our pipeline safety requirements will help:

- Protect the safety of your employees, the environment and the surrounding community.
- Reduce the risk of damage to our pipeline and related facilities.
- Ensure an adequate work area for future pipeline maintenance and/or repair work.
- Minimize any conflicts that may arise.

To assist in this effort, project scope along with construction drawings should be submitted to Southcross for our comment/approval before any construction over or around our pipeline commences. This includes the design and construction of temporary roads or work pads where equipment is to operate or cross over the pipeline.

AT NO COST TO THE CONTRACTOR, A SOUTHCROSS REPRESENTATIVE WILL ERECT TEMPORARY FLAGS MARKING THE PIPELINE LOCATION AND SHALL BE PRESENT DURING ALL ACTIVE WORK PERIODS AS DEFINED IN ITEM #12 BELOW TO OBSERVE EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES NEAR THE PIPELINE.

ANY WORK PERFORMED NEAR THE PIPELINE WITHOUT THE PRESENCE OF A SOUTHCROSS REPRESENTATIVE WILL NECESSITATE THAT THE PIPELINE BE EXPOSED FOR INSPECTION AND NEEDED REPAIRS PERFORMED AT THE CONTRACTOR'S OR RESPONSIBLE PARTY'S COST.

DESIGN AND CONSTRUCTION

- 1) **ALL PIPELINES, UTILITY LINES** and other underground facilities constructed across a Southcross owned or operated pipeline must be installed with a minimum vertical separation of 24 inches between structures. Horizontal separations will be determined on a case-by-case basis.

- 2) **ALL UNDERGROUND ELECTRICAL CABLES** shall be installed with a minimum vertical separation of 24 inches between structures with all plans and work conducted in a manner acceptable to Southcross's on-site representative. The electrical cable must be enclosed in conduit (steel or Schedule 80 PVC). It should be covered with **red** reinforced concrete with a minimum width of 6 inches on each side and above the conduit, for the entire width of Southcross's right of way.
- 3) **ALL UNDERGROUND FIBER OPTIC CABLES** shall be installed with a minimum vertical separation of 24 inches between structures with all plans and work conducted in a manner acceptable to Southcross's on-site representative. Horizontal separations will be determined on a case-by-case basis. In addition, the fiber optic cable must be enclosed in conduit (steel or Schedule 80 PVC).
- 4) **ALL PROPOSED ROADS, STREETS, OR DRIVEWAYS** shall be constructed with a minimum cover of 48 inches, including the sub-grade, as measured from the top of the Southcross pipeline to the bottom of the pavement (road, street, or driveway). If a Southcross pipeline will require adjustment to accommodate a roadway, street or driveway crossing, the cost of any such lowering or relocation shall be borne by the party or parties requesting the adjustment. With each request involving roads, streets or driveways, Southcross will reserve the right to excavate to expose and inspect its pipeline(s) to determine the need for pipe replacement, full encasement, or heavy wall pipe. The cost of this activity will be at the expense of the requesting party.

PIPELINE MINIMUM COVER REQUIREMENTS:

- 1) 48 inches from bottom of pavement under a road, street or driveway.
 - 2) 36 inches under all other surfaces within the right of way.
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- 5) **ALL ROAD DITCH AND DRAINAGE CANAL/DITCH** crossings shall be constructed with a minimum cover, and measured from the lowest point in road bar ditch, to the top of pipe, as follows:
 - 1) Concrete lined – 12 inches
 - 2) Unlined – 36 inches
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- GD **6) ALL PAVING** (other than for road, driveway or street crossings of a Southcross pipeline, e.g., parking lot) to be constructed over a Southcross pipeline shall (a) be reinforced, (b) not exceed 4 inches in thickness, (c) be

sectioned in 10 foot by 15 foot panels (15' dimension shall be perpendicular to the pipeline) with appropriate expansion joints, (d) contain lifting rings, and (e) conform to the minimum cover requirements stipulated above.

- 7) **TEMPORARY (HAUL) ROAD** crossings shall be constructed with a minimum ground cover (as measured from the surface of the road to the top of the pipeline) of five (5) feet. A temporary earthen berm may be constructed to meet this requirement. Where it is necessary for heavy equipment to cross the pipeline, additional measures may be needed to effectively distribute the weight of such equipment, for example, installing additional cover, timber matting and/or a temporary bridge for passage over the pipeline.
- 8) **LAKES OR OTHER BODIES OF WATER** shall not be constructed over the pipeline or within the boundaries of the pipeline easement. Additionally, the surface cannot be developed or changed in a way that would cause rainwater or runoff to collect on the pipeline right-of-way.
- 9) **DIRECTIONAL DRILLING OR BORING** shall require additional damage prevention measures, whether installing a crossing or otherwise conducting such operations within twenty (20) feet of the pipeline. It is Southcross's option whether peepholes or sheet piling be installed to an elevation lower than the pipeline, before drilling/boring to help ensure its protection. Southcross requires continuous tracking of the drilling head as well as using a physical technique (such as probing) to ascertain the exact location of the head before it crosses the Southcross pipeline. Southcross may also require that the pipeline be exposed when near drill/bore entry or exit points.
- 10) If Southcross determines it is necessary to lower, encase or otherwise adjust a Southcross pipeline because of the landowner's (developer, etc.) construction activity, the landowner or developer shall reimburse Southcross for the cost of lowering, encasement or other adjustment.
- 11) Please notify our Gas Control @ 1-877-880-9022 at least 48 hours prior to commencing any excavating or construction activity in the vicinity of any Southcross pipeline. Excavators are required by law to contact the appropriate One-Call Center (811) for their state. Call must be placed prior to commencing excavation or other such construction activity, which may impact an underground utility. If you are unable to contact the above Southcross representative, contact the Pipeline Control Center, and the information will be relayed.

Pipeline Control Center

24 Hours

1-877-880-9022

- 12) No excavating or other construction activity that could impact the pipeline (e.g., directional drilling, boring, sheet piling, setting trench boxes, etc.) shall be conducted within five (5) feet of any Southcross pipeline in the absence of a Southcross representative. Notice shall be given to Southcross at least forty-eight (48) hours prior to commencing each occurrence of construction activity within five (5) feet of any Southcross pipeline.
- 13) Any contractor, developer, etc., planning blasting operations within 500 feet of any Southcross Pipeline shall submit a blasting plan to Southcross for approval. This plan will include hole depth, diameter, spacing, burden, delay times, maximum charge weight per delay, sequence, explosive type and blast zone location relative to the Southcross pipeline. Under NO circumstances will blasting or seismic shot holes be allowed within one hundred (100) feet of any Southcross pipeline.
- 14) No signs, monuments, building, structures, manholes, shrubbery, or trees shall be located within a Southcross right of way and easement area so that the pipeline can be maintained without damaging these structures or being impeded by them.
- 15) No excavations shall be made on land adjacent to any Southcross pipeline which will in any way impair, withdraw lateral support, cause subsidence, create the accumulation of water, or cause damage to the Southcross pipeline or right of way.
- 16) No fence shall be placed across a Southcross right of way without written permission from Southcross. If fences are permitted, 14 foot gates must be installed on the right of way.
- 17) Side cutters shall be removed from the bucket of excavation equipment, and a bar shall be installed across the teeth during excavation in the vicinity of any Southcross Pipeline.
- 18) No paving is to be placed over any Southcross right of way without written permission from Southcross.
- 19) Any damage to existing Southcross Pipeline markers and/or signs, test leads, vent pipes, fences, gates and/or any other associated pipeline apparatus resulting from any construction operations shall be repaired to Southcross's satisfaction or replaced at the sole cost and expense by the damaging party within 15 days after the damage has occurred.
- 20) All written requests should be supported with plans and forwarded to:

General Requirements for Crossing Southcross's Pipelines

Southcross Energy
Calvin Ahrens
13004 N Navarro
Victoria, TX 77904
calvin.ahrens@southcrossenergy.com

Or

Lower Gulf Coast Area
Southcross Energy
Mitchell Hartman
1 Mile N. of HWY 35 on FM 136
Gregory, TX 78359
mitchell.hartman@southcrossenergy.com

Or

Eagle Ford Area
Southcross Energy
Brandon McCormick
235 Cr. Rd 4614
Dilley, TX 78017
brandon.mccormick@southcrossenergy.com

Acknowledge of Receipt of Southcross Encroachment Guidelines:

Grant Davis

Company Representative (Printed)



Company Representative (Signed)

4/14/2022

Date

Southcross Representative (Printed)

Southcross Representative (Signed)

Date

Location of Encroachment

Address: US HWY 77- Zach Lentz Parkway

Pipeline Segment: