



Welcome

Sabine Pass 230 kV Substation and Transmission Line Project



Purpose and need

Sabine Pass 230 kV Substation and Transmission Line Project

What is the Sabine Pass 230 kV Substation and Transmission Line Project?

The Entergy Texas, Inc. (ETI) Sabine Pass 230 kilovolt (kV) Substation and Transmission Line Project (Project) consists of a new 230 kV single pole/double-circuit transmission line that will cut-in to the existing Sandling to Keith Lake 230 kV Transmission Line and extend the transmission line to the proposed Sabine Pass Substation in Jefferson County. The Sabine Pass Substation is planned to be located approximately 0.58 mile east of the intersection of Texas State Highway 87 and Farm-to-Market Road 3322. The new transmission line could be approximately six miles in length and follow a path through Jefferson County until it reaches the new Sabine Pass Substation, depending on the route ultimately approved by the Public Utility Commission of Texas (PUCT).

What is the purpose and need of the Sabine Pass 230 kV Substation and Transmission Line Project?

The primary purpose of the Project is to provide electric service to a new natural gas liquids (NGL) export terminal that will be constructed adjacent to the Sabine Pass Channel in Jefferson County, Texas. To accomplish this, a new substation, to be called “Sabine Pass Substation,” is needed to provide the requested load capacity. The location of Sabine Pass Substation is therefore determined by the NGL facility site.

The proposed project will require the following scopes of work:

1) Design and build the new Sabine Pass 230 kV Substation: The Sabine Pass Substation will be a new 230 kV substation that will facilitate the installation of the proposed new 230 kV line extension.

2) Design and build the new Sabine Pass 230 kV Transmission Loop Extension: The connecting transmission line will be a new single pole, double-circuit 230 kV transmission line that would “cut-in and out” and extend ETI’s existing Sandling to Keith Lake 230 kV transmission line and connect into the Sabine Pass Substation. ETI intends for the cut-in along Sandling to Keith Lake 230 kV transmission line to be located near ETI’s existing Keith Lake Substation.

Certification process

Sabine Pass 230 kV Substation and Transmission Line Project

Project development

- Identify project study area.
- Gather environmental and cultural data.
- Contact federal, state and local agencies.
- Identify routing constraints.
- Develop preliminary alternative route segments.
- Identify current landowners within 300 ft of alternative routes.
- Solicit public input via open house meetings. **(We Are Here)**
- Evaluate preliminary alternative routes and identify primary alternative routes.

Certificate of convenience and necessity (CCN) application process

- Submit CCN Application to the Public Utility Commission of Texas (PUCT), including an adequate number of alternative routes.
- Send notices to landowners within 300 ft. of an alternative route, municipalities, counties, electric utilities, Department of Defense, and pipeline owners in the area.
- All routes and route segments included in this notice are available for selection and approval by the PUCT. If approved, only one route (consisting of multiple route segments) from a “Cut-In” option to the Sabine Pass Substation site will be selected by the PUCT.
- Interested parties may file comments or a motion to intervene and participate in the PUCT proceeding (Intervention Period – 45 days*)
 - If application is uncontested: application approved administratively in 80 days.
 - If application is contested: application processed within 180 days and could include a hearing.

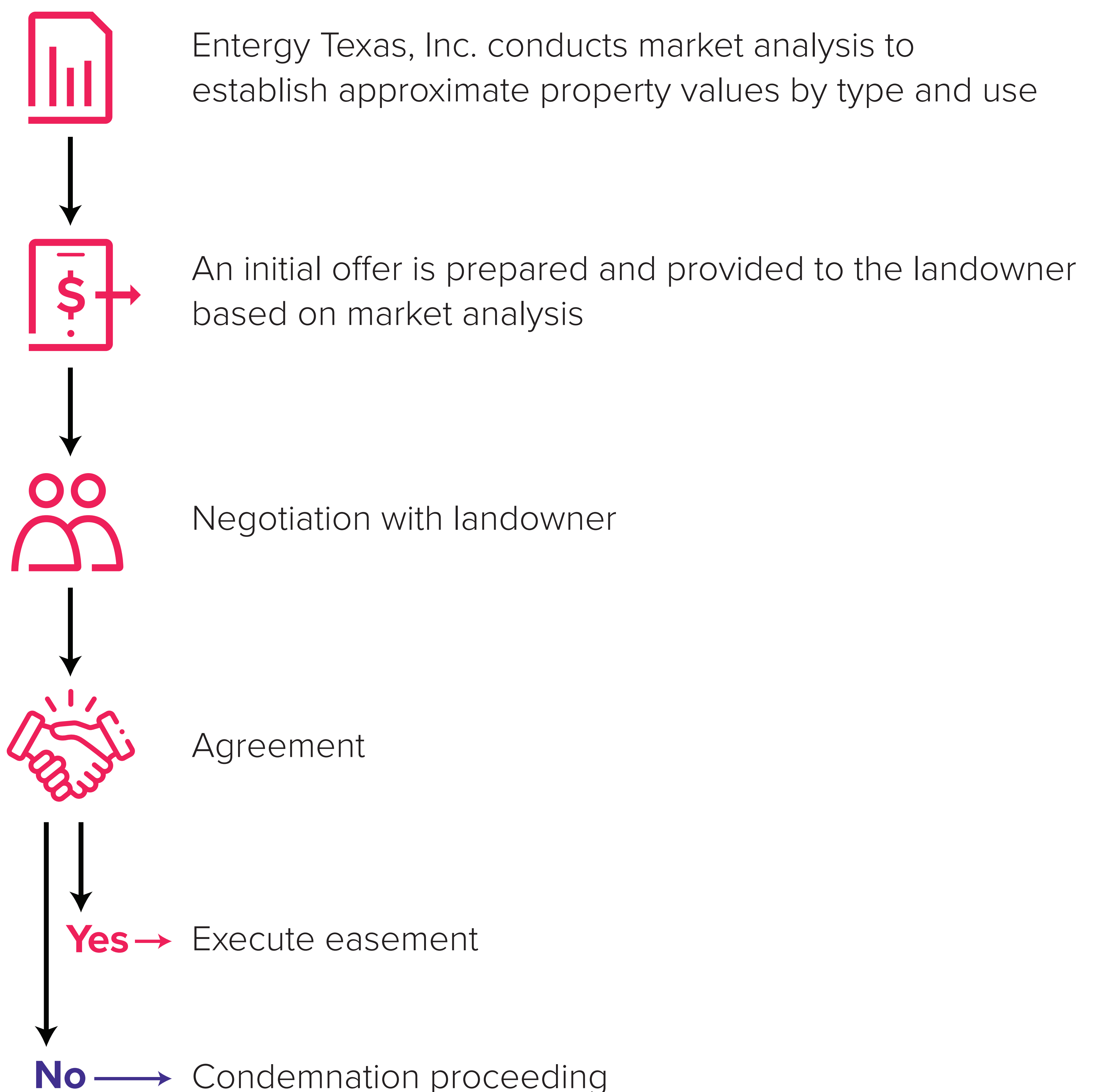
*A 30-day intervention deadline is currently under consideration by the PUCT.

PUCT decision and next steps

- Approves or denies application.
- If approved, selects location of final approved route.
- Approval provides Entergy Texas, Inc. with the authorization to build the new transmission line along the route approved by the PUCT.
- Notices will be sent to landowners who received notice of Entergy Texas, Inc.’s application advising them of the decision and next steps.

Right-of-way (ROW) acquisition process

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Right-of-way (ROW) clearing

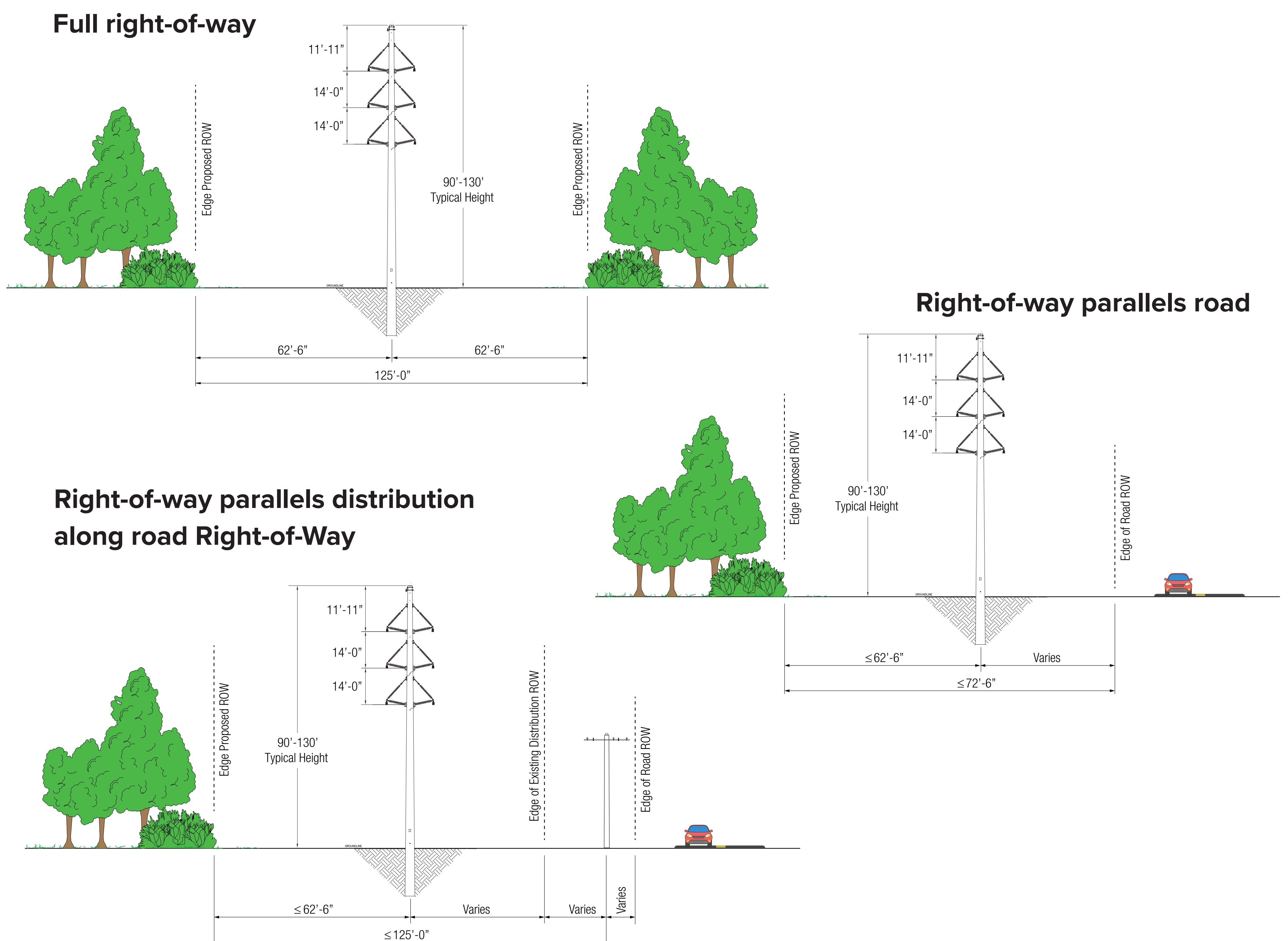
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About right-of-way clearing

- Trees and branches near or touching power lines can cause service interruptions.
- Electricity can arc or “flashover” from wires to nearby trees before actual contact is made, causing electric current to flow through the trees into the ground.
- To ensure everyone’s safety, Texas, like most states, has adopted the National Electrical Safety Code.
- The code establishes mandatory clearances to be maintained around power lines.

Typical cross sections

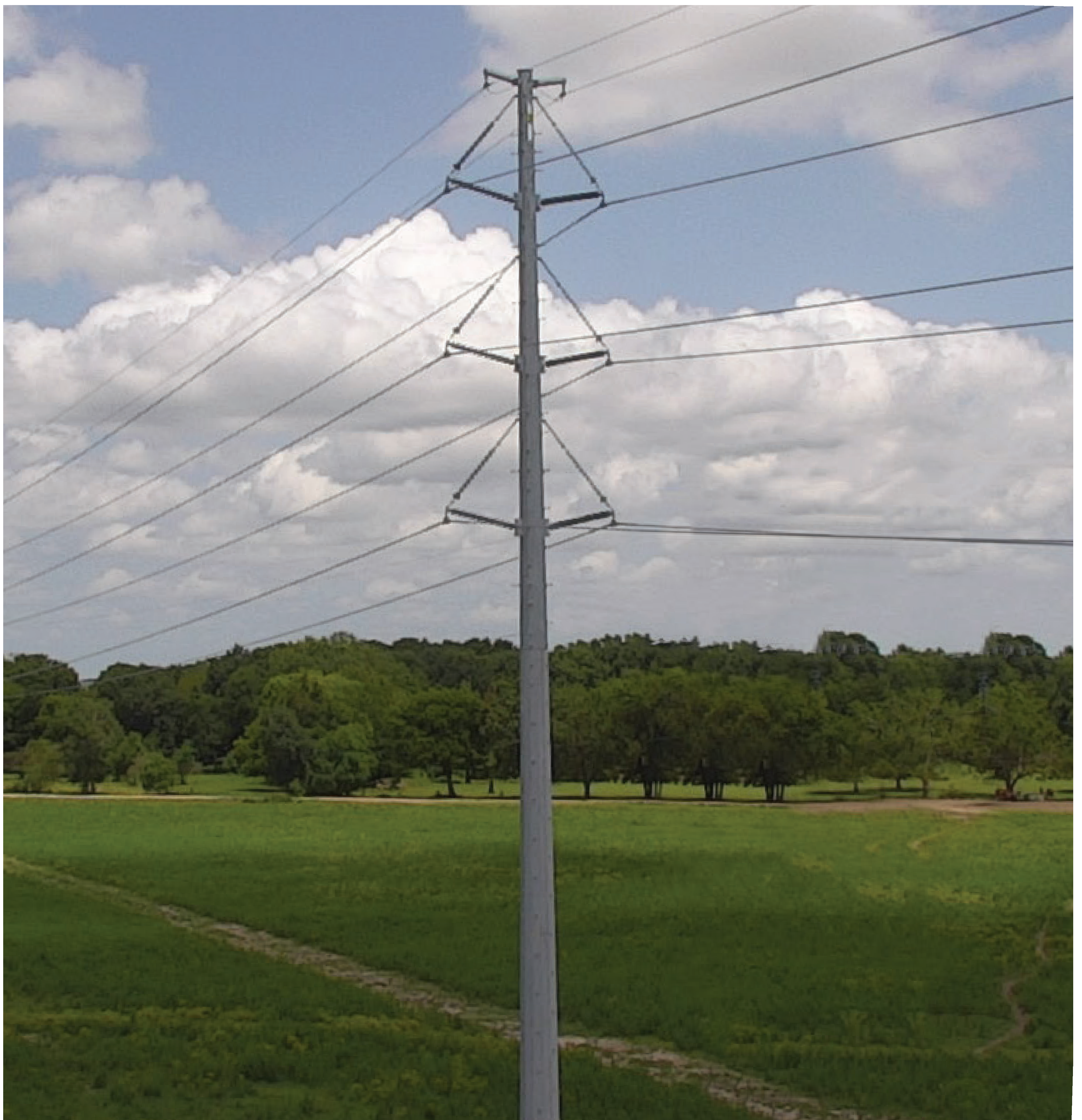
Dimensions may vary depending on location and spatial constraints.



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Typical structure

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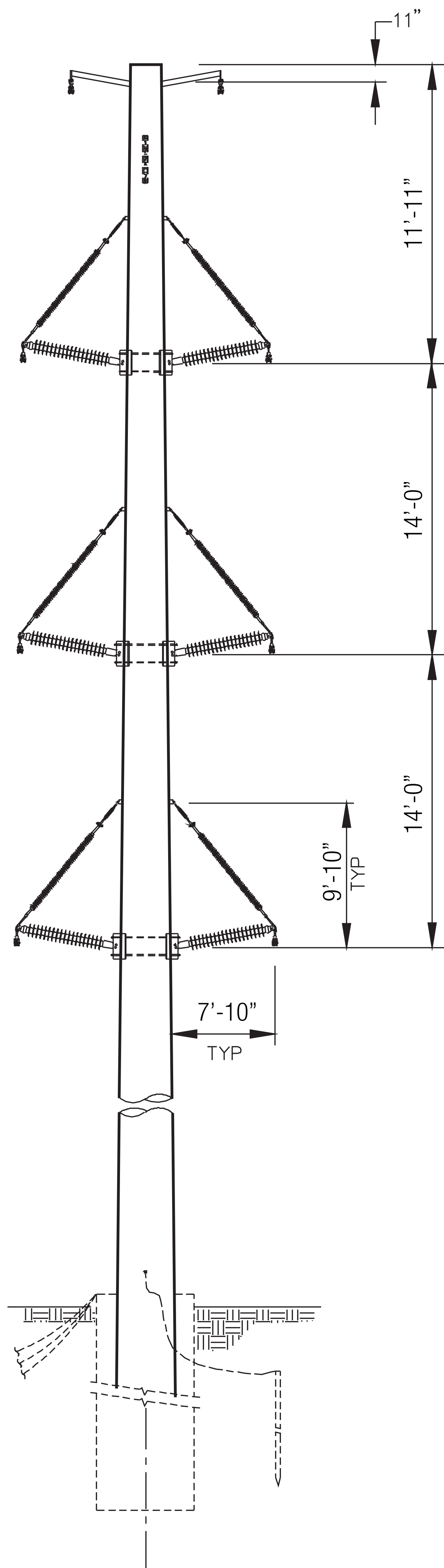
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Typical structure

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Typical 230kV tangent structure

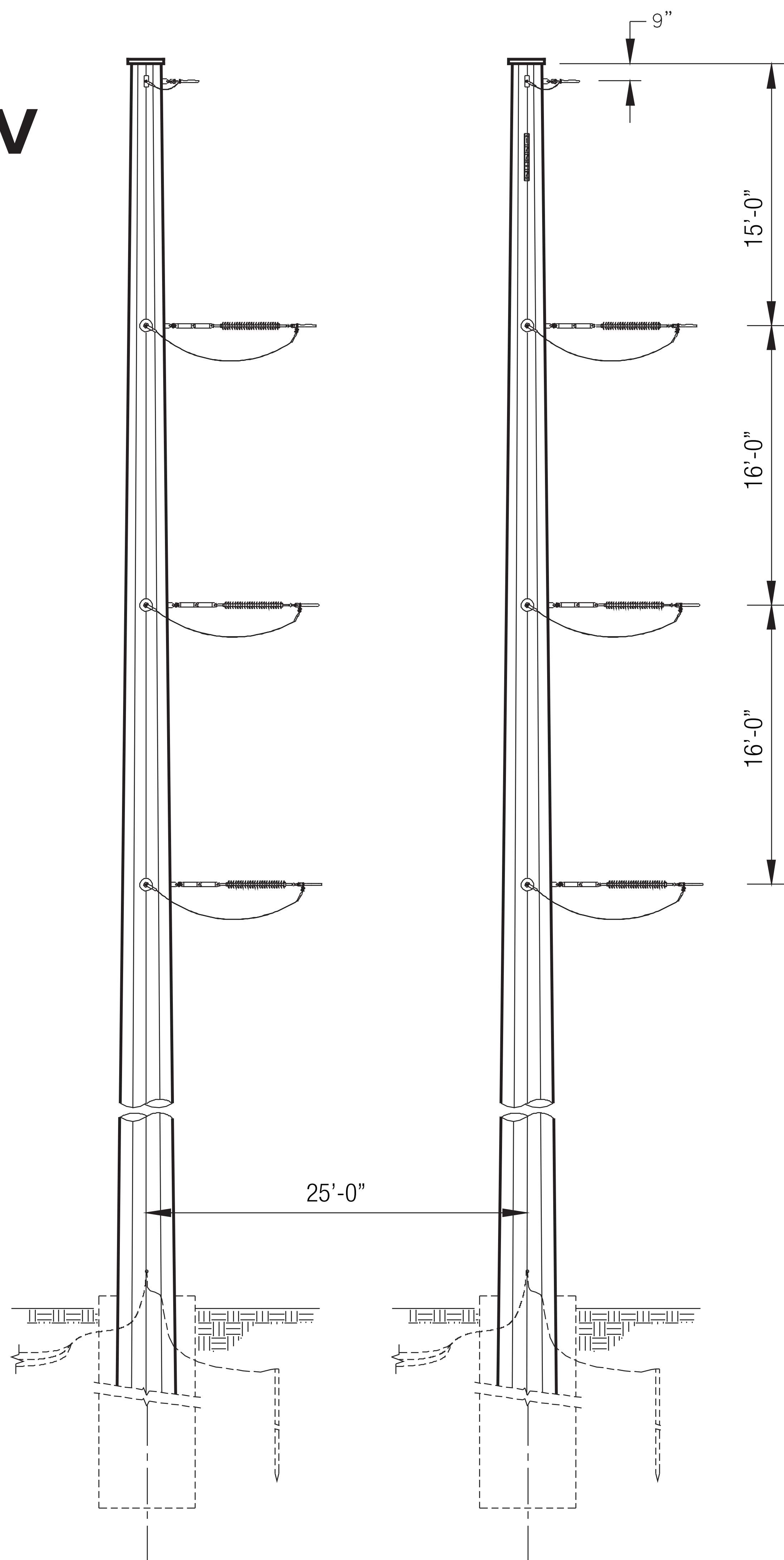


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Typical structure

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Typical 230kV
dead-end
structure



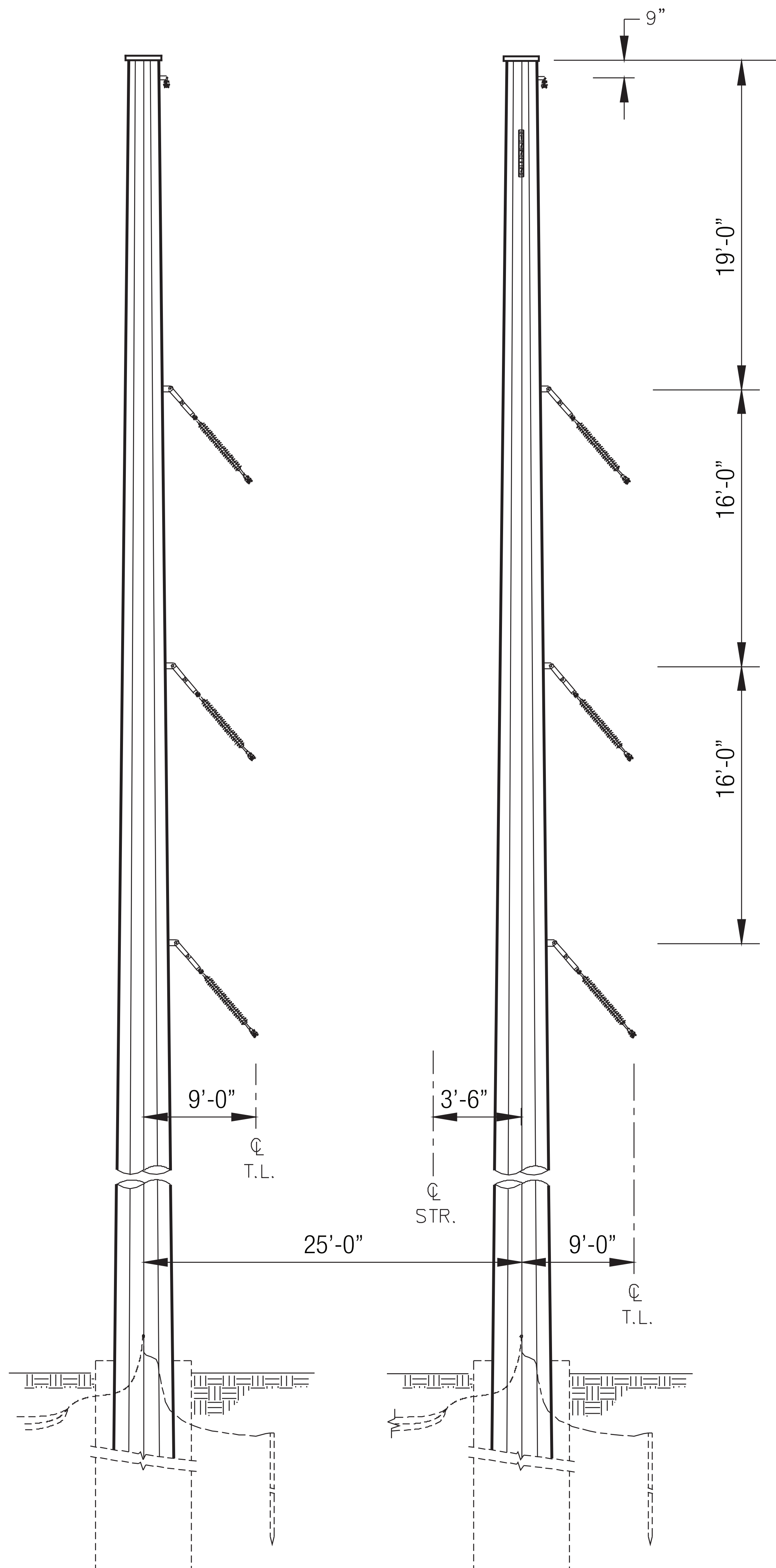
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Typical structure

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Typical 230kV angle structure



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Typical substation

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Agencies contacted

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Federal

Federal Aviation Administration
Federal Emergency Management Agency
National Parks Service
Natural Resource Conservation Service
U.S. Army Corps of Engineers
Military Aviation and Installation Assurance Siting Clearinghouse
U.S. Environmental Protection Agency
Texas Point National Wildlife Refuge

State

Railroad Commission of Texas
Texas Commission on Environmental Quality
Texas Department of Transportation

- Aviation Division
- Environmental Affairs Division
- Transportation Planning & Programming
- Beaumont District Engineer

Texas General Land Office
Texas Parks and Wildlife Department
Texas Water Development Board
Texas Historical Commission
Lower Neches Valley Authority

Local

Jefferson County Judges
Jefferson County Commissioners
Jefferson County Engineering Department
City of Port Arthur Officials
Sabine Pass Port Authority
Jefferson County Historical Commission Chair
Superintendent of Sabine Pass ISD

Non-Governmental Organizations

Texas Agricultural Land Trust
Texas Land Conservancy
Texas Land Trust Council
The Nature Conservancy, Texas
Houston Audubon Society
South East Texas Regional Planning Commission

Evaluation criteria

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Land Use

- 01 Length of alternative route
- 02 Number of habitable structures¹ within 300 feet of the route centerline
- 03 Length of route utilizing existing electric facility right-of-way (ROW)
- 04 Length of route parallel to existing electric facility ROW
- 05 Length of route parallel to other existing compatible ROW (roads, highways, railway, or telephone utility ROW, etc.)
- 06 Length of route parallel to apparent property lines² (or other natural or cultural features)
- 07 Sum of evaluation criteria 3, 4, 5, and 6
- 08 Percent of evaluation criteria 3, 4, 5, and 6
- 09 Length of route parallel to pipeline ROW
- 10 Length of route across parks/recreational areas³
- 11 Number of additional parks/recreational areas³ within 1,000 feet of the route centerline
- 12 Length of route across cropland
- 13 Length of route across pasture/rangeland
- 14 Length of route across land irrigated by traveling systems (rolling or pivot type)
- 15 Length of route across gravel pits, mines, or quarries
- 16 Number of pipeline crossings
- 17 Number of electric transmission line crossings
- 18 Number of Interstate (IH), US Highway (US Hwy), and State Highway (SH) crossings
- 19 Number of Farm-to-Market (FM) or Ranch-to-Market (RM) road crossings
- 20 Number of private use airstrips within 10,000 feet of the route centerline
- 21 Number of heliports within 5,000 feet of the route centerline
- 22 Number of FAA registered airports⁴ (runways >3,200 feet) within 20,000 feet of the route centerline
- 23 Number of FAA registered airports⁴ (runways <3,200 feet) within 10,000 feet of the route centerline
- 24 Number of commercial Amplitude Modulation (AM) radio transmitters within 10,000 feet of the route centerline
- 25 Number of Frequency Modulation radio (FM radio), microwave towers, etc. within 2,000 feet of the route centerline
- 26 Number of existing water wells within 200 feet of the route centerline
- 27 Number of oil and gas wells within 200 feet of the route centerline

Aesthetics

- 28 Estimated length of route within foreground visual zone⁵ of US, Interstate, and State highways
- 29 Estimated length of route within foreground visual zone⁵ of FM/RM roads
- 30 Estimated length of route within foreground visual zone⁵ of parks/recreational areas³

Ecology

- 31 Length of route across bottomland/riparian forest
- 32 Length of route across upland forest
- 33 Acreage of route across National Wetland Inventory (NWI) mapped forested or scrub/shrub wetlands
- 34 Acreage of route across NWI mapped emergent wetlands
- 35 Length of route across known critical habitat of federally-listed threatened or endangered species
- 36 Length of route across open water (lakes, ponds, etc.)
- 37 Number of stream/canal crossings
- 38 Number of navigable waterway crossings
- 39 Length of route parallel (within 100 feet) to natural streams or rivers
- 40 Length of route across FEMA mapped 100-year floodplains

Cultural Resources

- 41 Number of cemeteries within 1,000 feet of the route centerline
- 42 Number of recorded historic or archaeological resources crossed by route
- 43 Number of additional recorded historic or archaeological resources within 1,000 feet of route centerline
- 44 Number of resources determined eligible for or listed on the National Register of Historic Places crossed by route
- 45 Number of additional resources determined eligible for or listed on the National Register of Historic Places within 1,000 feet of route centerline
- 46 Length of route across high archaeological/historical site potential

Notes

- 1 Single-family and multi-family dwellings, and related structures, etc., mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, schools or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis within 300 feet of the centerline of a transmission project of 230 kV or less.
- 2 Apparent Property lines created by existing roads, highway, or railroad ROW are not "double-counted" in the length of route parallel to apparent property lines criteria.
- 3 Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church within 1,000 feet of the centerline of the project.
- 4 As listed in the Chart Supplement South Central U.S. (FAA 2023b formerly known as the Airport/Facility Directory South Central U.S.), FAA 2023a.
- 5 One-half mile, unobstructed. Lengths of ROW within the foreground visual zone of Interstates, US and state highway criteria are not "double-counted" in the length of ROW within the foreground visual zone of FM roads criteria.
- 6 One-half mile, unobstructed. Lengths of ROW within the foreground visual zone of parks/recreational areas may overlap with the total length of ROW within the foreground visual zone of interstates, US and state highway criteria and/or with the total length of ROW within the foreground visual zone of FM roads criteria.

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