

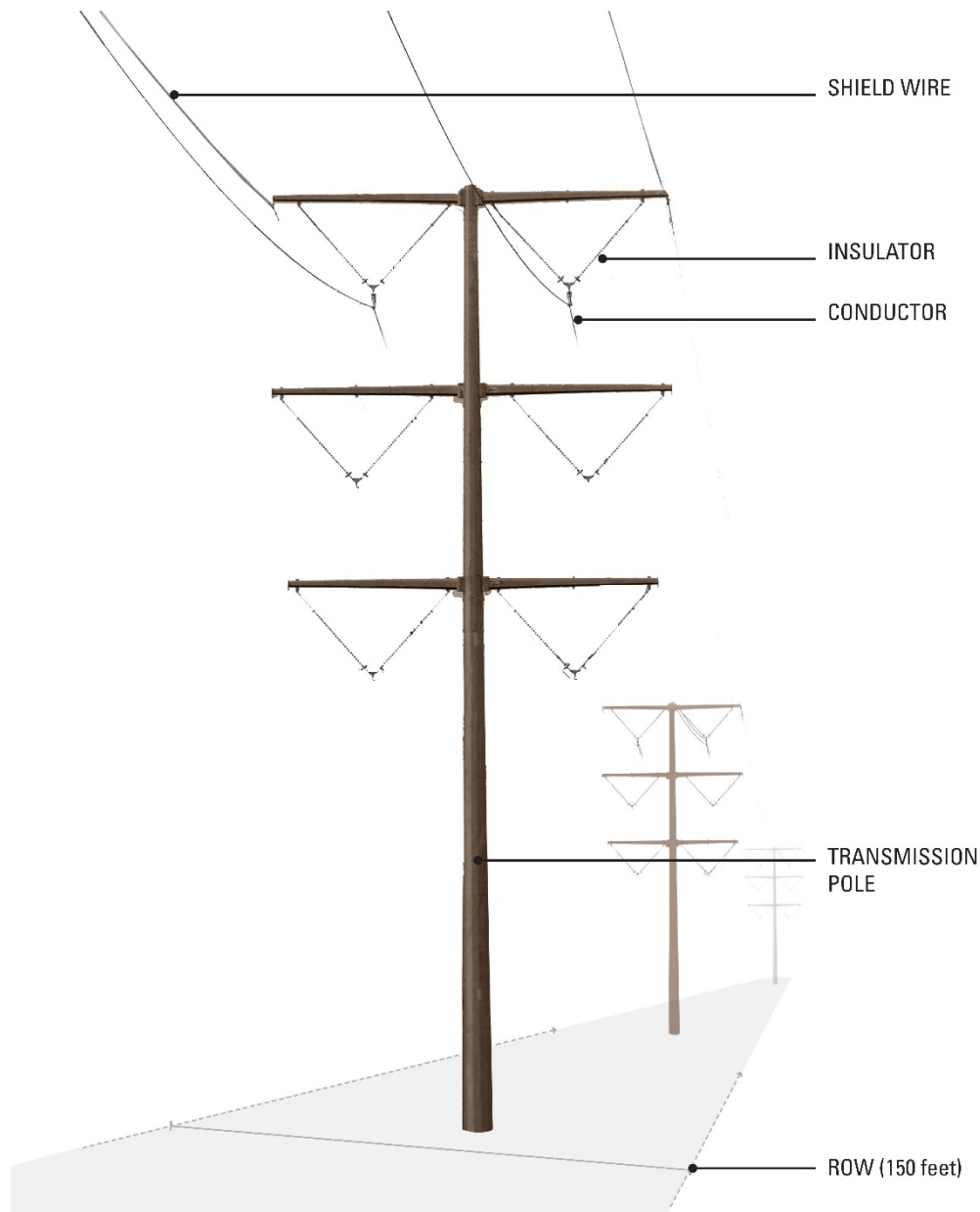
**ELEVATION PLANS**

### 1.4.a Transmission Line

The new 345-kV double circuit transmission line will be constructed using steel poles. A single pole will be used for most transmission pole locations; however, two transmission poles will be required in certain locations where the weight of the conductor requires extra structural support. These are typically 'angle locations' where the line changes direction. Each transmission pole will be placed on a concrete foundation. Voltage, conductor sag, pole type, terrain, length of span between transmission poles, and minimum clearances of existing buildings influence the necessary height of transmission pole. The transmission poles will be weathering steel and a brown or rust color. The anticipated physical characteristics of a double-circuit pole are summarized in Table 4, and a representative transmission pole with line is shown in Figure 4.

**Table 4: Typical 345-kV Double Circuit Transmission Line Characteristics**

<b>Characteristic</b>	<b>Anticipated Design</b>
Typical height	105-140 feet (poles will not exceed 199-foot maximum height)
Right-of-way	150 feet total, 75 feet on either side of the centerline
Span length	Typically 950 feet between transmission poles
Material/color	Weathering steel, brown or rust color
Clearance	Maintain all clearances as required by National Electrical Safety Code



**Figure 1: Typical Transmission Pole Configuration (Illustrative)**

**4.2.b Types of Poles Used (5.201.2.b)**

See Section 1.4.a for the description of the transmission poles. Pole details, representative photographs, and simulations are provided in Attachment J.