

Impacts to existing utility distribution facilities are not anticipated as a result of Project operation and maintenance.

An existing house is located along the proposed transmission route on east side of Ashland Road. The Project has acquired sufficient easements to site the transmission line around the house.

There is also a slight potential for disruption of water service during construction of the overhead transmission line. Transmission poles will be sited along the same corridor as the existing DANC water line. The existing water line is sited within an approximately 40 to 60 foot wide permanent easement. The Project has acquired its own easements for a power line ranging in width from 66 feet to 100 feet wide. As the Project easements width is greater than the permanent width of the DANC easements, there is flexibility in siting the transmission poles, which also allows feasibility of siting both along the same corridor. An approximately 20- to 30-foot wide temporary work area adjacent to the transmission line centerline will be required to place the poles. Poles will be installed using a truck mounted auger, a boom crane (see Exhibit 3.6.2), and a telehandler (see Exhibit 3.6.3). Work will be planned prior to construction and a few locations may also be widened to allow for passing lanes or turnaround points. There are locations where the abandoned railroad bed is less than 20 feet wide and places where it is bordered by wetlands. These locations will be spanned to the greatest extent possible. The typical construction process for the overhead transmission poles includes:



- Augering a bore hole approximately 3 feet wide and 15 feet deep for placement of the pole.
- Placement of the pole with a boom crane. The pole will be lifted and tipped into the hole with the help of a telehandler controlling the pole base. Concrete may be required when installing poles, water crossings will be avoided to the greatest extent possible during delivery.
- Backfill of the borehole with concrete.