

The following are the upcoming stages of the construction process associated with this transmission structure replacement work:

Work Area Preparation

Construction vehicles and equipment must be able to access each transmission structure. For these vehicles, we will build or enhance gravel roads to provide access to structure locations. We'll also install level work pads to create a stable work area for equipment, such as drill rigs and cranes.

We use timber mats in or around wetlands to protect these environmentally sensitive areas. Temporary soil erosion and sedimentation controls (for example, silt fences and straw bales) and other environmental controls may be installed near the work areas during construction. We will maintain these controls as needed throughout the construction process. Typically, these environmental controls are removed after construction, though some may remain until the area is restored.



Foundation Drilling

When required, drilling activities usually take place for a few days at each location where structures are being replaced. Depending on soil conditions, the drilling may last longer. The size of the hole will also vary with the size of the new structure and soil conditions. At the end of the workday, any open foundation holes will be safely covered and secured. Once we complete the foundation installation, we will assemble and install the new structures.



New Structure Installations and Modifications to Existing Structures

Once the foundations are complete, we'll begin installing the new steel replacement structures. Steel structures often come in sections that are assembled on site. The structure pieces will be delivered to the power line corridor in advance of this installation process. Cranes and/or bucket trucks are used to lift the structures and set them into position on the foundations.

Where existing structures are being modified, crews will climb the structure or use bucket trucks to make the necessary modifications. Generally, it takes one to three days to assemble and erect each new structure or modify an existing structure.



Existing Structure Removal

The existing structures being replaced will be taken apart and removed from the site. Where needed, the old concrete foundations will be removed, and the hole filled with soil. We will recycle or properly dispose of all material removed from the site.



Communication Wire Installation

The topmost wire on the structures will also be replaced with new communication wire. The communication wire will improve electric reliability since it enables communication between substations. The new communication wire may be installed using helicopters in the air or bucket trucks set up around the base of each structure and by various wire pulling locations.

Photos show typical work areas and are for illustration only.

Sincerely,

Alex Green

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