

## P1

Labor shall be based on the following:

### Construction

- Install unit as indicated on the Construction Specification Drawing

### Removal

- Remove Pole Keys from pole after pole is pulled
- Should Pole Keys prevent a pole from being pulled, cut pole off a minimum of six inches below grade and fill hole to grade
- All Removed Material shall be returned to the District Storeroom in which the project is located

### Replacement

- If pole is not being replaced removal of old pole key may not be practical - Remove pole keys from retired poles
- Install new Pole Keys as indicated on the Construction Specification Drawing or as directed by PEC Engineering Department
- All Removed Material shall be returned to the District Storeroom in which the project is located

## P2

Labor shall be based on the following:

### Construction

- Install Pole Anchor in accordance to the Construction Specification Drawing and Item #5 in the Specification for Construction along with any manufactures instructions – contains 3 rock anchors and pole clamps for setting pole on a rock
- Some major points to follow:
  - Remove Overburden as pole butt must rest directly on the rock
  - Evaluate the Rock and if fractured or unsound use alternative methods
  - Maximum slope in the rock under the pole is 3 inches – with pole resting on rock there should be no gap larger than 3 inches.
  - When tightening anchors if you run out of threads before anchor bonds it means it is a bad rock and an alternate location or method should be used
  - May need to grout anchor holes if ice is a concern

### Removal

- Remove clamps and cut rock anchors at or below grade
- All Removed Material shall be returned to the District Storeroom in which the project is located

### Replacement

- Temporary support pole
- Remove clamps from rock anchors and replace with new clamps and tighten all hardware
- If rock anchors need replacement drill new anchor pattern and set anchors and cut old anchor rods at or below grade. Then install clamps on new anchor rods.
- Some major points to follow:
  - Remove Overburden as pole butt must rest directly on the rock
  - Evaluate the Rock and if fractured or unsound use alternative methods
  - Maximum slope in the rock under the pole is 3 inches – with pole resting on rock there should be no gap larger than 3 inches.
  - When tightening anchors if you run out of threads before anchor bonds it means it is a bad rock and an alternate location or method should be used
- May need to grout anchor holes if ice is a concern
- Remove temporary pole support
- All Removed Material shall be returned to the District Storeroom in which the project is located

## PLUMB POLE

Labor shall be based on the following:

### Maintenance

- Associated labor for work in existing line (i.e. switching, cover up, etc)
- Labor to bring a pole to plumb
- Do a walk around of pole to see if pole is in good enough condition to plumb

## TOP POLE

Labor shall be based on the following:

### Construction

- Labor Only to Top Pole, cut pole, to a smaller size

### Removal

- Labor Only to Top Pole, cut pole, to allow for transfer of foreign facilities (i.e., distribution or communication cable of others)

### Replacement

- Labor Only to Top existing Pole, cut pole, to allow for transfer of foreign facilities (i.e., distribution or communication cable of others)