



## URD Install

### Chief Judge: Todd Prangley

(Journeyman Event)

**Mean Time:** 10 Minutes

**Drop Dead Time:** 15 Minutes

#### **Event Summary:**

This event will consist of a single phase riser made up complete with the hot line clamp not attached to the primary and the cutout open. This is feeding a new mini pad transformer that is partially made up except the elbow and the secondary connections. The elbow will need to be installed on the primary and the secondary conductors will need to be stripped and connected to the secondary bars. The meter that this transformer is feeding is a simulation and is considered pulled already. The climber will need to attach the hotline clamp onto the stirrup (already attached to the primary conductor) and close the cutout. Voltage will be checked at the transformer after the cutout is closed.

#### **Event Specifications:**

1. No grounding will be required in this event.
2. A complete new elbow will be made up on #1 solid XLP 15kV cable (Manufacturer: General Cable) and install onto a new mini pad transformer per manufacturer specs.
3. Secondary Conductors are 4/0 Aluminum with 2/0 neutral (Manufacturer: General Cable).
4. After secondary insulation is stripped secondary will be install in to the secondary bar.
5. The hotline clamp cannot be installed onto the primary until the transformer is made up complete.
6. After the hot line clamp is installed and the cut out closed, one of the team members will check voltage on the secondary side with a **voltage tester, not simulated**.
7. Rubber gloves must be worn ground to ground and while checking voltage at the transformer.
8. Once voltage is checked the time will be stopped and the team must open the cutout, take the hot line clamp off, cut the elbow off and remove the secondary conductors from the secondary bars.
9. The elbow will be cut off so that the judge can inspect for workmanship.
10. Teams are still being judged until the competitors leave the event.

#### **Materials:**

- N/A