

### Pre-Job Safety Meeting Video Training Guidance:

Read below **before** you watch the videos. Someone visiting a utility jobsite like in the video is expected to know below in order to perform a job brief discussion review:

- Where:** A residential urban setting at the end of a vehicle accessible alley.
- Who:** Crew make up is one foreman and two workers.
- What:** The task/job/work order is to replace the viper switch on the overhead pole. A viper is designed to provide overcurrent protection through fault isolation and automatic restoration for temporary faults on overhead sub-transmission lines.
- When:** Scheduled work performed on regular work hours.
- How:** Proper equipment positioning to work aloft.
- Tools:** Insulated Extendo stick (opening fuses), insulated gripall (dropping taps), proper rigging for the old and new viper reclosers, impact tools.

#### *Expected environmental hazards/conditions:*

- Uneven surfaces as shown in the photo
- Primary voltage conductors on the pole. The top of the viper sits approximately 2'6" below the primaries and approximately 25' above the ground and weights about 120lbs.
- Routine residential concerns: dogs, pedestrians, traffic.

*Example direct controls:* gloves/sleeves, hoses, harnesses

*Example alternative controls:* cones, PPE

For this exercise:

- Operations Control Center (OCC) clearance is the only required permit.
- Drop zone is referred to as "line of fire".



**Videos in Text:****Video 1 - EXCELLENT**

Yes, Sir. Alright, today's job is to replace the Viper.

We're gonna, you know, set up the truck in the right position. I'm gonna call the OCC, get clearance permit, and then I'll be on the ground to monitor you and have whatever tools and equipment you need.

I'll grab the extendo stick for pulling out the fuses, the grip, all for the taps, some rigging for that we're closure to hang it, and some impact tools, OK?

How about protection of protection? We're going to use our gloves and sleeves, and we'll also get the rigid barrier, the tubes to go up on the hotlines. OK, come down and prep. We're gonna come down, we're gonna take it off the palette, get all the connections, prep, and get it ready to go. So that way it's easier to hand when we go land it. OK, when we get ready to land the secondary closure. We make sure we mount it right, all connections are good. I'll call OCC, get permission to reliven.

Alright, let's talk about hazards. What do you see? What hazards are high energy? We got high energy hazards. We got electrical, which we put up our hoses, we got our gloves and sleeves, and then we got our suspended load. We got to make sure nobody walks underneath it and make sure that all our rigging secure. Everyone clear on assignments and hazards? Yeah, absolutely.

We're up in the bucket, so make sure that we're harnessed and buckled in good controls on the bucket. OK, let's block the alley with cones. You know, as we're doing that, let's make sure all gates and fences are closed so people don't have dogs, can't get out. OK, also we're going to watch the pinch points with our fingers and make sure we got the right gloves or skin it. OK.

Yes, Sir. OK. And then while we're flying the switch out to land it, we'll make sure that the rigging is all good to go, that we got a line of fire kit set up, lights all set up and everything.

Make sure there's no traffic in the area, put out some cones, make sure cars go driving through underneath us. And then make sure that we do have that line of fire from above kit set up. OK, lastly, just watch what the tripping hazards while walking. You know, uneven surfaces back here. OK everyone clear. I want assignments and hazards. Yes, Sir. OK. If someone pulls out of the garage, just come down. Where motor trucks. No, let him out the alley. Yes, sir.

**Video 2 - GOOD**

Yeah, OK. Today the job is to replace the Viper. I've been on the ground monitoring you. What will you need?

I'll grab the rigging, the hangover closure, and grab that new Milwaukee impact. OK, how about protection? Protection. We'll put on our gloves and sleeves when we go in the bucket. Probably hang some hoses up top. Extra layer of protection. OK, then we come down to prep. We're gonna go ahead and unpack it from the next palette. Make sure we make up all the little connections, wires, crimps, everything we need for that. Just so when we go to land it, that's already prepped. OK, when we go to landing, let's make sure we mount it right. Make all the proper connections. I'll call OCC. Your permission to reliven. Yes, Sir.

All right, let's talk about hazards. What do you see? We're working out by the primary some gloves, sleeves and hoses, and we're working aloft so we're harnessed in and and buckled in. OK, let's block off the alley with cones you know, so cars can't drive through. Also, let's make sure all the gates and fences are closed so dogs can get out. Also, let's watch for pinch points and make sure we got the proper gloves with skinning. Yes, Sir. When we're laying in the switch, we're going to make sure that our riggings all checked out. We got our line of fire kit set up. We'll block the traffic in the alley, put up some more cones and stuff, make sure everything set up, and then when we go to land it, we got to make sure we have our lights and everything for our line of fire from above. Keep going, OK? Lastly, watch your step when you are back here dealing with uneven pavement.

### **Video 3 - POOR**

Hey, what's up guys? How you feeling today? Living the dream. Cool. Alright, let's get this job brief done. The job steps. Position of trucks, right? You know, you gotta get up there in the clear, both trucks sitting in good position. I'll be your ground man, you know. I'll be watching you, monitoring you man, getting everything you need, you know, whatever. Just let me know. You need your gloves, sleeves, hoses. You know, we hit the hang and replace district closure, so I'm pretty sure you got it. You've done this thing in time before. Yeah, you got this. OK? High energy, no hazards. Of course. The primary gloves, sleeves, hoses. Yeah, absolutely. No big deal. OK, cool. We got anything else? Slips, trips and falls. Yeah, I guess we could watch that. What happened to Sly? No. What happened all in here? No. The training center, dude. Oh my God. Goofball goofball. Knucklehead tripped over his feet walking to his car on the curb. Yeah, you gotta watch. We were walking, I guess. I wish I could have seen that. Hey, what's going on? Not much so in case of emergency 911 response. You know, we call them, show up to the front, direct them in. I'm sure they'll find us. Yeah, absolutely. Yeah. Yeah. We've done this plenty of times before. What do we do for lunch? What are we doing for lunch? I'm thinking pizza fella alright. Yeah. Absolutely. Well, knock it out. We'll be done by lunch. We'll just get out here real quick. Alright, cool.

## Best Practices

While training your teams:

- Show the videos in this order: Poor, Excellent, Good
- Do not show solutions until trainees gain some experience with scorecards
- Let the trainees watch videos multiple times as they score
- Ensure trainees read and understand the training guidance before watching
- Allow for discussion during learning and calibration phases
- Reach out to Edison Electric Institute's Community of Practice for any questions