

OSHA Based Technical Installations in a High Voltage Environment

Course Outline – (40+ Hours)

Code of Federal Regulations (OSHA CFR)
Understanding the National Power Grid
Anatomy of a Power Pole
Manual of Uniform Traffic Control Devices (CFR)
Personal Protective Equipment PPE (OSHA CFR)
Boom Truck Inspections & Operations (CFR)
Field Work (Boom Truck Operations)
Field Work (Live Electrical Connections & Equipment Installations)

Class Schedule

Tuesday

- Opening & Introductions
- Class content and goals Intro/Overview PP
- **Video – The Power of Electricity**
- Code of Federal Regulations (CFR's) PP
 - OSHA PPE & AF/FR Update Review PP
 - OSHA PPE & AF/FR Clothes Requirement PP
- Understanding the National Power Grid PP
- Anatomy of a Power Pole PP
- **Video – Transformer Banks Overview**
- Distribution Transformer Manual
- **Video - Live Wire Demonstration**

- **Video - Boom Truck Safe Operations**
- Boom Truck Operations (CFR) PP
- Issue & fit PPE- Safety Harness/Helmet/Gloves/Glasses
- Harness Fit Testing
- Boom Truck inspection & Walk around;
- Boom Truck Mast controls-Hands-on familiarization;
- Boom Truck/Bucket practical familiarization/Operation
- Boom Truck Safety/Emergency Training (Worker Down Drill)

Wednesday

- Traffic & Workplace Safety (MUTCD) PP*
- Issue Installation Tools / Make & Dry Run Electrical (Pigtail) Connections
- **Review photos of electrical configurations on utility poles**
- High Voltage Safety PP – Highlight/Emphasis on Safety First
- Live Electrical (Pigtail) installs - City Streets/Training Yard

Thursday

- **Videos (2) Power Theft Videos (2)***

- Live Electrical (Pigtail) installs - City Streets/Training Yard
- Add pole mounting Equipment Enclosure with electrical connection

Friday

- Practical Test – Live Electrical (Pigtail) install & Pole Mount Surveillance Box
- Review OSHA/Class materials & Written Test
- Streetlight Installation Presentation
- Questions & Answer Session

OSHA Based High Voltage #1 Safety Rule

If you're not sure ... Don't Do It!