
Cableway Measurements Generic Job Hazard Analyses

Required Protective Clothing and Safety Equipment: cable-break, cable cutters, fall-protection for platforms >20 ft

Sequence of Basic Job Steps	Potential Accidents/Hazards	Recommended Safe Job Procedures
Conduct visual inspection of cableway prior to use.	Drowning, cableway structural failure	If gage height is greater than < > ft do not use cableway. Conduct visual inspection prior to use. See check list attached. Cableway shall have been inspected in past year by a trained cableway inspector. SM 445-1-H, CH 41, Cableway Safety.
Assess environment	Lightning Cableway structural failure	Do not use cableway during electrical storm. Inspect anchorages, cable, backstays, cablecar, turnbuckles, footings, and A-frames in accordance with USGS 445-1-H, pages 15-6 to 15-8. Cableway shall have been inspected in past year by a trained cableway inspector.
Unloading equipment from vehicle and moving equipment to cablecar	Pinching, crushing, or laceration to hands, fingers, feet and toes. Back strain.	Be aware of hand placement, wear protective gloves and steel-toed shoes. Use proper lifting techniques, lift with legs. Use caution lifting heavy sounding weights.
Making measurement	Structure failure, fall from tower or cable car, floating or submerged debris.	Wear PFD, follow instructions in WRD Memo on Cableway Safety Plan. Do not climb ladders while carrying other equipment. Be alert to debris, have cutters ready if sounding cable needs to be cut.
Making measurement	Floating or submerged debris	All reels must have the retrofit (B and modified A reels) for a break-a-way cable. Be alert to debris, have cutters ready if sounding cable needs to be cut.
Making measurement	Boat traffic	Have method to warn oncoming boats, make cable more visible, and be ready to cut cable.
Moving equipment from cablecar to vehicle and reloading equipment	Pinching fingers, mashing toes, back strain	Use caution, be aware of hand placement, use proper lifting techniques, lift with legs not back, get assistance as necessary. Wear gloves, steel-toed shoes, and back support.

For additional information about Job Hazard Analyses visit <http://1stop.usgs.gov/safety/topic/jha/index.html>