

**CABLE DUCT, TROUGH AND ENCLOSURE
TIERS & STATIC WHEEL LOAD RATINGS**

If work shall be done on AMTRAK property that involves heavy trucks, equipment, or machinery along the right of way, duct lines and pull boxes shall be inspected to insure they can withhold the appropriate weight.

Application Tiers & Static Vertical Wheel Load Ratings per
ANSI/SCTE 77 2010 "Specification for Underground Enclosure Integrity"

TIER 5 - Loading Requirements - Design Load = 5,000 lbs. Test Load = 7,500 lbs. (Vertical)

Design Load = 600 lbs. /sq. ft. Test Load = 900 lbs./sq. ft. (Lateral)

Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic.

TIER 8 – Loading Requirements – Design Load = 8000 lbs. Test Load = 12,000 lbs. (Vertical)

Design Load = 600 lbs. /sq. ft. Test Load = 900 lbs./sq. ft. (Lateral)

Sidewalk applications with a safety factor for non-deliberate vehicular traffic.

TIER 15 – Loading Requirements - Design Load = 15,000 lbs. Test Load = 22,500 lbs. (Vertical)

Design Load = 800 lbs./sq. ft. Test Load = 1,200 lbs./sq. ft. (Lateral)

Driveway, parking lot, and off-roadway applications subject to occasional non deliberate heavy vehicular traffic.

TIER 22 – Loading Requirements – Design Load -22,500 lbs. Test Load = 33,750 lbs. (Vertical)

Design Load = 800 lbs./sq. ft. Test Load = 1,200 lbs./sq. ft (Lateral)

Driveway, parking lot, and off-roadway applications subject to occasional non deliberate heavy vehicular traffic