

does not apply to trainmen, brakemen, and car droppers who are required to get on or off slowly moving trains in the performance of their work duties.

**§ 57.9319 Going over, under, or between railcars.**

Persons shall not go over, under, or between railcars unless—

- (a) The train is stopped; and
- (b) The train operator, when present, is notified and the notice acknowledged.

**§ 57.9330 Clearance for surface equipment.**

Continuous clearance of at least 30 inches from the farthest projection of moving railroad equipment shall be provided on at least one side of the tracks at all locations where possible or the area shall be marked conspicuously.

**§ 57.9360 Shelter holes.**

(a) Shelter holes shall be—

(1) Provided at intervals adequate to assure the safety of persons along underground haulageways where continuous clearance of at least 30 inches cannot be maintained from the farthest projection of moving equipment on at least one side of the haulageway; and

(2) At least four feet wide, marked conspicuously, and provide a minimum 40-inch clearance from the farthest projection of moving equipment.

(b) Shelter holes shall not be used for storage unless a 40-inch clearance is maintained.

**§ 57.9361 Drawholes.**

To prevent hazards to persons underground, collars of open drawholes shall be free of muck or materials except during transfer of the muck or material through the drawhole.

**§ 57.9362 Protection of signalmen.**

Signalmen used during slushing operations underground shall be located away from possible contact with cables, sheaves, and slusher buckets.

**Subpart I—Aerial Tramways**

**§ 57.10001 Filling buckets.**

Buckets shall not be overloaded, and feed shall be regulated to prevent spillage.

**§ 57.10002 Inspection and maintenance.**

Inspection and maintenance of carriers (including loading and unloading mechanisms), ropes and supports, and brakes shall be performed by competent persons according to the recommendations of the manufacturer.

**§ 57.10003 Correction of defects.**

Any hazardous defects shall be corrected before the equipment is used.

**§ 57.10004 Brakes.**

Positive-action-type brakes and devices which apply the brakes automatically in the event of a power failure shall be provided on aerial tramways.

**§ 57.10005 Track cable connections.**

Track cable connections shall not obstruct the passage of carriage wheels.

**§ 57.10006 Tower guards.**

Towers shall be suitably protected from swaying buckets.

**§ 57.10007 Falling object protection.**

Guard nets or other suitable protection shall be provided where tramways pass over roadways, walkways, or buildings.

**§ 57.10008 Riding tramways.**

Persons other than maintenance persons shall not ride aerial tramways unless the following features are provided.

- (a) Two independent brakes, each capable of holding the maximum load;
- (b) Direct communication between terminals;
- (c) Power drives with emergency power available in case of primary power failure; and
- (d) Buckets equipped with positive locks to prevent accidental tripping or dumping.

**§ 57.10009**

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**§ 57.10009 Riding loaded buckets.**

Persons shall not ride loaded buckets.

**§ 57.10010 Starting precautions.**

Where possible, aerial tramways shall not be started until the operator has ascertained that everyone is in the clear.

**Subpart J—Travelways and Escapeways**

TRAVELWAYS—SURFACE AND UNDERGROUND

**§ 57.11001 Safe access.**

Safe means of access shall be provided and maintained to all working places.

**§ 57.11002 Handrails and toeboards.**

Crossovers, elevated walkways, elevated ramps, and stairways shall be of substantial construction, provided with handrails, and maintained in good condition. Where necessary, toeboards shall be provided.

**§ 57.11003 Construction and maintenance of ladders.**

Ladders shall be of substantial construction and maintained in good condition.

**§ 57.11004 Portable rigid ladders.**

Portable rigid ladders shall be provided with suitable bases and placed securely when used.

**§ 57.11005 Fixed ladder anchorage and toe clearance.**

Fixed ladders shall be anchored securely and installed to provide at least 3 inches of toe clearance.

**§ 57.11006 Fixed ladder landings.**

Fixed ladders shall project at least 3 feet above landings, or substantial handholds shall be provided above the landings.

**§ 57.11007 Wooden components of ladders.**

Wooden components of ladders shall not be painted except with a transparent finish.

**§ 57.11008 Restricted clearance.**

Where restricted clearance creates a hazard to persons, the restricted clearance shall be conspicuously marked.

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**§ 57.11009 Walkways along conveyors.**

Walkways with outboard railings shall be provided wherever persons are required to walk alongside elevated conveyor belts. Inclined railed walkways shall be nonskid or provided with cleats.

**§ 57.11010 Stairstep clearance.**

Vertical clearance above stair steps shall be a minimum of seven feet, or suitable warning signs or similar devices shall be provided to indicate an impaired clearance.

**§ 57.11011 Use of ladders.**

Persons using ladders shall face the ladders and have both hands free for climbing and descending.

**§ 57.11012 Protection for openings around travelways.**

Openings above, below, or near travelways through which persons or materials may fall shall be protected by railings, barriers, or covers. Where it is impractical to install such protective devices, adequate warning signals shall be installed.

**§ 57.11013 Conveyor crossovers.**

Crossovers shall be provided where it is necessary to cross conveyors.

**§ 57.11014 Crossing moving conveyors.**

Moving conveyors shall be crossed only at designated crossover points.

**§ 57.11016 Snow and ice on walkways and travelways.**

Regularly used walkways and travelways shall be sanded, salted, or cleared of snow and ice as soon as practicable.

**§ 57.11017 Inclined fixed ladders.**

Fixed ladders shall not incline backwards.