LRK: LN

Decision No. 19319

ORIGINAI

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIALS

In the Matter of the Investigation on the Commission's own motion into the reasonableness of proposed rules and regulations governing the construction, reconstruction, maintenance and operation of interlocking plants, manually or automatically controlled or of remote control, at crossings, junctions, drawbridges, in yards and at sidings of railroads and street railroads.

Case No. 2451.

E. J. Foulds, W.E. Boland, and S. R. Florence, for Southern Pacific Company; Pacific Electric Railway Company; Stockton Electric Railroad Company; Fresno Traction Company; Peninsular Railway Company, and San Jose Railroads.

Fred E. Pettit, Jr., for Los Angeles & Salt Lake Railroad Company.

E. Winans, for The Atchison, Topoka and Santa Fo Railway Company.

H. G. Weeks, for Los Angeles Railway Corporation.

CARR, COMMISSIONER:

OBINION

This is an investigation instituted on the Commission's own motion into the propriety of a general order governing the construction, reconstruction, maintenance and operation
of interlocking plants, manually or automatically controlled or
of remote control, at crossings, junctions, drawbridges, in yards
and at sidings of railroads and street railroads, which it is
proposed will supersede General Order No. 33, approved June 20;
1913, and bring the latter into conformity with modern practices.

A public hearing was held at San Francisco; California; on December 30; 1927;

There seems to be no disagreement over the advisability of a new general order being made to supersede General Order

of a new general order being made to supersede General Order No. 33, nor does there seem to be any disagreement as to the provisions it should contain. I recommend the following form of order.

ORDER

An investigation having been instituted on the Commission's own motion into the reasonableness of certain proposed
rules and regulations governing the construction, reconstruction,
MEINTENANCE and Operation of interlocking plants, manually or
automatically controlled or of remote control, at crossings, junctions, drawbridges, in yards and at sidings of railroads and
street railroads, and the matter being under submission and ready
for decision.

The Railroad Commission of the State of California hereby finds as a fact that the rules and regulations governing the
construction, reconstruction, maintenance and operation of interlocking plants manually or automatically controlled or of remote
control, at crossings, junctions, drawbridges, in yards and at
sidings of railroads and street railroads, attached heroto and
to be known hereafter as this Commission's General Order No. 33A,
are reasonable, just and in the interests of public health and
safety, and basing our order on the above finding of fact,

IT IS HEREBY ORDERED that this Commission's General Order No. 33, approved June 20, 1913, and effective August 1, 1913, be and it is hereby superseded by General Order No. 334.

IT IS HEREBY FURTHER ORDERED that all construction, reconstruction, maintenance and operation of interlocking plants; manually or automatically controlled or of remote control, at crossings, junctions, drawbridges, in yards and at sidings of railroads and street railroads, coming within the jurisdiction of this Commission on and after March, 1,1928, shall conform to the rules and regulations attached hereto and to be known as this Commission's General Order No. 33-4.

The effective date of this order shall be March 1, 1928.

The foregoing Opinion and order are hereby approved and ordered filed as the Opinion and Order of the Railroad Commission of the State of California.

Dated at San Francisco, California, this 6 4 day of

Jelinary 1928.

13. Dorails.

- split point derails shall be located on high speed tracks, with a minimum distance from the drawbridge, crossing, or fouling point, which they are intended to protect, as follows: Where the grade is practically level on steam railroads six hundred (600) feet, on electric interurban or street railroads four hundred (400) feet. Not less than ten (10) feet for each one-tenth of one per cent grade shall be added to the above minimum distance for grades descending toward the drawbridge, crossing or fouling point, and not more than ten (10) feet for each one-tenth of one per cent grade shall be deducted in case of ascending grades; provided, however, that no derail shall be placed less than four hundred (400) feet for steam railroads nor less than two hundred (200) feet for electric railroads from the drawbridge, crossing or fouling point.
- (b) Pocket derails shall be located not less than seventy-five (75) feet from the crossing or fouling point.
- (c) Backup derails, when used, shall be located as follows: On steem railroads not less than two hundred (200) feet and on electric interurban or street railroads one hundred and fifty (150) feet from the crossing or fouling point.
- (d) Derails on all side tracks and spur tracks, and tracks other than main tracks, shall be located a sufficient distance from the fouling point to insure ample protection, and in no case less than fifty (50) feet. Such derails shall be so placed that a derailed train or car will be diverted away from the main track.
- (e) On tracks where the character of traffic and/or local conditions justify, as at junctions, in yards, or on passing tracks, the above specifications for location of derails may be varied from or derails may be emitted by special permission, granted at the time of submission of plans for approval.
- (f) Guard rails shall be provided in connection with all high speed derails. Guard rails shall extend at least one-half (1) the distance from the derail to the fouling point, and shall be located between the track rails parallel with and not less than eight (8) inches from ball of guard rail to ball

the Commission's opinion, public interest would be served by so doing.

This order shall be effective on and after the first day of March, 1928.

Approved and dated at San Francisco, California; this 6 day of January, 1928.

RAILROAD COMMISSION OF THE STATE OF CALIFORNIA;

By H. G. Mathewson, Secretary.