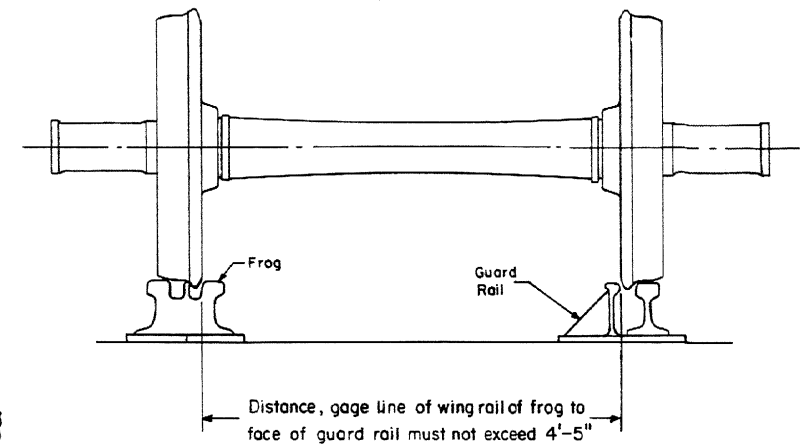


Gage line of frog to face of guard rail must be $4'-6\frac{5}{8}"$, except where curvature through the turnout lead exceeds $8^{\circ}-00'$ then the distance must be $4'-6\frac{3}{4}"$ **REGARDLESS of TRACK GAGE.**

If track gage is increased, the flangeway is correspondingly increased



NOTES

- 1 - Guard rails must conform to Conrail Specifications for Hook Flange Guard Rails.
- 2 - Each tie bearing portion of the guard rails must be fully supported by a tie, which shall be kept well tamped at all times.
- 3 - For details of guard rail see C.R. Plan 71810- (1).
- 4 - Parker Screws on the back of the guard rail indicates the extent of the straight portion of the guarding face.
- 5 - No.8 and No.10 turnouts use 9'-0" guard rails, installed on 6 ties.
- 6 - No.15 and No.20 turnouts use 13'-0" guard rails, installed on 8 ties.
- 7 - Minimum safe straight guarding portion of the guard rail ahead of the frog point for No.6 thru No.18 frogs is 22" and for a No.20 frog is 36".

STRAIGHT PORTION OF GUARDING FACE AHEAD OF 1/2" POINT OF FROG

FROG NO.	GUARD RAIL LENGTH	DESIRED SETTING		SAFETY MINIMUM
		MINIMUM	MAXIMUM	
8 & 10	9'-0"	2'-0"	3'-8"	—
15 & 20	13'-0"	4'-0"	5'-8"	—
6 Thru 18	Any	—	—	⊕ 22"
20	Any	—	—	⊕ 36"

CONRAIL  **71801-A**

STANDARD

GUARD RAIL

INSTALLATION AND MAINTENANCE

JULY, 1979

R.H. Smith
Chief Engineer—Maintenance of Way

A.P. Gordon
Chief Engineering Officer