CHAPTER 9

RAIL CROSSINGS

9-1. General. Rail crossings are designed to carry one track across another at grade.

9-2. Requirements.

a. Size. Rail crossings shall be the proper size and section for the rails being joined.

b. Flangeway width. Standard flangeway width for rail crossings is $1^{7}/_{8}$ (1.875) inches. Where existing flangeway width is less than this amount, the following restrictions shall be applied.

(1) If the flangeway width is 1% (1.625) inches or less, operations through the crossing shall not exceed 10 mph.

(2) No operations shall be permitted through any crossing where the flangeway width is 1½ (1.50) inches or less.

c. Flangeway depth. New or fully restored flangeway depth for rail crossings is at least $1^{7}/_{8}$ (1.875) inches. Where existing flangeway depth is less than this amount, the following restrictions shall be applied.

(1) If the flangeway depth is 1½ (1.50) inches or less, operations through the crossing shall not exceed 10 mph.

(2) No operations shall be permitted through any crossing where the flangeway depth is 1% (1.375) inches or less.

d. Debris in flangeways. Flangeways shall be kept clear of debris. Any obstructions, including ice and packed snow, shall be removed.

e. Bolts. All crossing bolts shall be in place and tight. Loose bolts shall be tightened, and bolts which cannot be tightened shall be replaced. Missing bolts shall be replaced.

9-3. Anchors.

Where rail anchors are used on track approaching rail crossings, every third tie should be box anchored (four anchors per tie) for at least two rail lengths in all directions from the crossing.