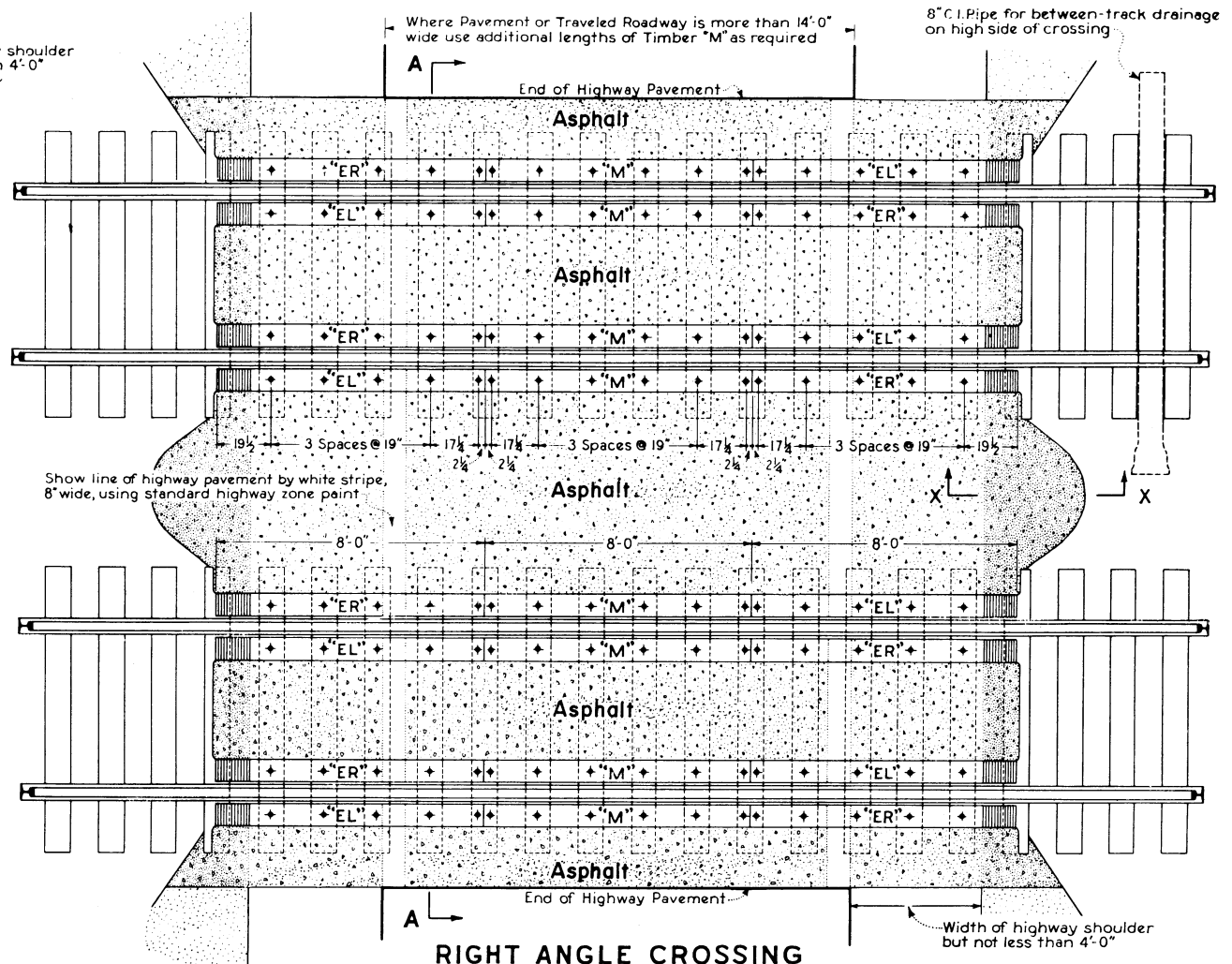


ACUTE ANGLE CROSSING



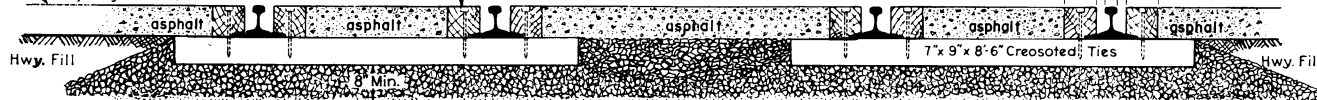
RIGHT ANGLE CROSSING

NOTES:

- Timbers to be gum or hill grown red oak, creosoted, sized on face only, shaped and bored prior to treatment.
- Countersunk spike holes to be sealed with mastic after spikes are driven.
- Pavement to be asphalt or of such other type as may be specified by highway authorities.
- Where highway or street has separate sidewalks entire width of crossing, out to out of sidewalks, will be paved.
- Show street curb lines, edge lines of pavement or limits of traveled roadway by white stripes, 8" wide, using standard highway zone paint.
- Provide between track drainage on high side of crossing where necessary

	75°	80°	85°	90°	100°	112-115°	130°	131-132°
Thickness "T" of Timbers for Various Weights of Rail	5 3/4"	5 3/4"	5 3/4"	6 1/8"	6 1/2"	7 3/8"	7 3/8"	7 3/8"
Length of Spike Required	10"	10"	10"	10"	12"	12"	12"	12"

5/8" Washer Head Timber Drive Screw Spikes:
 (1/8" holes, countersunk, in Crossing Timbers, 3/16" holes in Oak Cross Ties, 1/2" holes in Pine Cross Ties.)
 Highway Pavement



SECTION A-A

On new construction provide crusher run ballast 6" thick, under full width and length of crossing.

Ballast between tracks and each layer of asphalt to be well tamped to avoid future settlement.
 Surface to be finished and maintained level with top of timbers.

5/8" DRIVE SCREW SPIKES (Plan I-3)

- 10" Length for use with rail 90° R.A. and lighter 125 Spikes per 200' Keg
- 12" Length for use with rail 100 R.E. and heavier 100 Spikes per 200' Keg

Note:- See Plan 5-13 for Highway Grade Crossing using Pre-fabricated Timber Sections.

SOUTHERN RAILWAY SYSTEM
 HIGHWAY GRADE CROSSING
 ASPHALT PAVING

FEBRUARY 1, 1975

OFFICE OF ASST. V. P. M.W. & S.
 Atlanta, Georgia