

**Subject: RE: Switch Tie Life and End Plates**

**Date:** Thu, 27 Jul 2000 15:11:12 -0500

**From:** "Bosshart, John H" <John.Bosshart@bnsf.com>

**To:** "James C Gauntt" <ties@rta.org>

**CC:** "Pollock, Dan L" <Dan.Pollock@bnsf.com>, "Corner, Randy L" <Randy.Corner@bnsf.com>

Jim,

I believe that we did a study on cross ties. The study concluded that an air seasoned tie that exhibited no splitting initially generally then did not exhibit splitting when inspected prior to treatment. Thus we selectively end plate cross ties.

Switch ties are a different animal!

1. Switch ties are not tie plated in the same spot every time and because in some instances we could plate near the end of the tie we would want an end plate.

2. and that 4 tie plates with rail tend to split the tie more than 2 plates and

3. and that tamping and loading longitudinal a tie with four different plates and rails attached have a further tendency to split the tie. Thus end plate switch ties is recommended.

John

-----Original Message-----

From: James C Gauntt [mailto:ties@rta.org]

Sent: Thursday, July 27, 2000 2:31 PM

To: Jeff Broadfoot; Paul Ladd; ties@rta.org; Kenny Dailey; Jim Duncan; Doug Fox; Harry Scott; Bill Gadd; Ken Jensen; Gary Zaversnik; Dave Webb; Jack Rahmes; Joe Palese; Don Gallery; Jim Moore; John Bosshart; Ralph Jiminez; Dave Davis; Matt Clarke

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Gentlemen,

One of our members is seeking any information on switch tie life, and any relationship to such that end-plates have. I am drawing a blank on any "formal" research that has been conducted that differentiates between the two (non-plated vs plated). Can anyone pick me up on this? Any experiential or anecdotal evidence would also be appreciated.

Jim Gauntt

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