



IronWood Technologies

Railroad Accident Reconstruction

Federal Railroad Administration

False Proceed Signal Database

January 1, 1995 through May 3, 2004

All Reports - Cause: Failed Equipment or Device - S-Code

Report #	Date	Reporting Carrier	Block System	Interlocking	Auto. Systems	Loco or Train No.	Device that Failed	Location	Collision or Derailment?
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235	11/9/2000	BNSF	AB			Train SCHCTAC2-0	S-Code Approach Lighting Module	Galena, Illinois	N
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Train SCHCTAC2-09 @ 2016 hours on November 9, 2000 was westbound near Galena, Illinois on Track #1, Minnesota Division, Aurora Subdivision, when Engineer and Conductor reported an APPROACH MEDIUM signal at MP 169.7 into a Red signal at MP 171.4, Galena. Upon arrival by signal personnel, the reported signal aspect could not be duplicated after repeated attempts to simulate the events described by the train crew and the SOC Signal Call Desk in Ft. Worth, Texas. All affected signal equipment at 169.7 was tested with no exceptions immediately noted. A replay of the events leading up to the report did not lend any support to the reported signal aspect. After nearly completing all signal testing on the affected signal network, an intermittent failure was observed by signal personnel. An intermittent failure in the S-Code Approach Lighting Module #72718-20 at signal 169.70 allowed a "flickering" from Yellow to Dark. The "flickering" was not at any measurable code rate, but was displaying Yellow to Dark intermittently. The signal displaying this intermittent aspect is a GRS Searchlight signal. As a result of observing this failure, the S-Code cabinet was replaced and a new Approach Lighting Module was installed followed by complete operational tests.

No. of Reports Shown in this Listing: 1