



IronWood Technologies

Railroad Accident Reconstruction

Federal Railroad Administration False Proceed Signal Database

January 1, 1995 through May 3, 2004

All Reports - Union Railroad Company (Pittsburgh, PA)

Report #	Date	Reporting Carrier	Block System	Interlocking	Auto. Systems	Loco or Train No.	Device that Failed	Location	Collision or Derailment?
532	11/12/1995	URR		Remote		Engine #7	---	Signal 176	N
Cause									
Narrative									
<p>Scenario Reenacted, Unable to Duplicate, No Defects Found</p> <p>On November 12, 1995, signal 176, a southbound controlled signal, was reported by Engine 7 to have displayed a CLEAR (Green) instead of a MEDIUM CLEAR (Red over Green). The system is a color light system with light-out relay circuits. A printout of controls and indications was obtained from the office system to verify that crossover 187 was in the reverse position. The light-out relays were checked along with the 176 AHR relay and its associated circuits. The relays were tested and all pertinent cable meggered. The exact conditions that took place on November 12 were duplicated, but we could not duplicate the failure. There were no grounds found on the system.</p>									
679	9/5/2001	URR		Remote		Engine 30	188 Signal	J Tower Interlocking, Duquesne, PA	N
Failed Equipment or Device - Aerial or Underground Cable, Shorted or Grounded (not due to vandalism or digging)									
<p>On September 5, 2001 at approximately 11:00 AM, engine 30 reported an APPROACH MEDIUM aspect on signal 188 and a STOP aspect on signal 150. Upon arrival, Signal Manager [redacted] had the Union Railroad TMD (Dispatcher) request a signal on 188 and an APPROACH MEDIUM aspect displayed (Yellow over Green). The proper aspect should have been an APPROACH (Yellow). Signal 188 was taken out of service.</p> <p>Plant grounds were checked and found okay. Voltages were checked between case 27 and case 186. Cable 27-186A was meggered and had several bad conductors in the 19 conductor cable. This cable was last meggered on 12/1/98. A new 9 conductor cable was run and circuits were moved to the new cable. The new cable was meggered and all signal aspects were operationally checked. Signal 188 was put back in service.</p>									

No. of Reports Shown in this Listing: 2