

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

FALSE PROCEED SIGNAL REPORT

DATE 10/20/97

MAIL TO

Mr. Tom McFarlin
Signal & Train Control Specialist
Federal Railroad Administration
1100 Main Street, Suite 1130
Kansas City, MO 64105

REPORTING CARRIER (railroad & region or division)

Burlington Northern Santa Fe Railway
Northern Region, Nebraska Division

REPORTING OFFICER (signature/title)

AVP Signal

A failure should not be counted more than one time in items 1, 2, 3, and 4; the failure should be classified under the basic system or appliance of which it forms an essential part. E.g.: assume grounds cause a block signal to indicate a false proceed causing corresponding indications of a cab signal system on each train approaching this point, such failure should be included in Item 1. Block System

The following abbreviations may be used in the report

- | | |
|--------------------------------|-----------------------|
| A -Automatic | EM -Electromechanical |
| AB -Automatic block | EP -Electropneumatic |
| ACS -Automatic cab signal | FP -False proceed |
| APB -Absolute permissive block | MP -Manual block |
| ATC -Automatic train control | M -Mechanical |
| ATS -Automatic train stop | P -Pneumatic |
| CL -Color light | PL -Position light |
| CPL- Color position light | SA -Semiautomatic |
| E -Electric | TC -Traffic Control |

A false proceed failure is a failure of a system device or appliance to indicate or function as intended which results in less restriction than intended.

TYPE OF SYSTEM	DATE	LOCOMOTIVE OR TRAIN NUMBER	DEVICE THAT FAILED	LOCATION (City and State)
1 BLOCK SYSTEMS <input type="checkbox"/> AB <input type="checkbox"/> APB <input type="checkbox"/> TC	10/14	Train ID # CJRKCNI-21 Engine # EDM 9037	Phantom Signal	Lincoln, NE
2 INTERLOCKING <input checked="" type="checkbox"/> AUTO <input type="checkbox"/> MATIC				
3 AUTOMATIC SYSTEMS <input type="checkbox"/> ATS <input type="checkbox"/> ATC <input type="checkbox"/> ACS				
4 OTHER (specify)				

NATURE AND CAUSE OF FAILURE/CORRECTIVE ACTION TAKEN

Train crew reported to the Carling Tower Operator that they had a Red over Lunar aspect on the 2E Signal on the South Wye at Hall Tower Interlocking plant. The train stopped prior to passing the signal and questioned the Carling Operator since he had not seen this aspect on this particular signal before. The Operator had not lined the signal. Signal personnel determined that the 2E signal was not equipped with a lunar lens. It was determined that what they saw was the sun reflecting off the snow shield on the bottom head. This signal is located on a curve and next to an overpass which was casting a shadow on a portion of the signal. Signal personnel did observe the reflection that was reported by the train crew which was a very bright white light approximately 3 to 4 inches in diameter. The signal was re-adjusted for better visibility and individual hoods for each aspect were installed, replacing the snow hood which is a continuous hood shielding all aspects. This is a new Safetran signal which includes new back grounds and hoods.

- Engineer -
- Signal Manager
- Signal Supervisor -
- Signal Inspector
- Signal Maintainer