

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION

FALSE PROCEED SIGNAL REPORT

FP 2000 - 03 - 03

REPORT FOR (month/year)  
March 2000

DATE  
March 9, 2000

REPORTING CARRIER  
Norfolk Southern Corporation  
Division: Alabama

MAIL TO  
Mr. Michael Woods  
Federal Railroad Administration  
16th Floor - Suite 16T20  
100 Alabama Street, SW  
Atlanta, GA 30303-3104

REPORTING OFFICER  
Chief Engineer - Western Region  
Communications & Signal Department

TYPE OF SYSTEM	DATE	LOCOMOTIVE NUMBER	DEVICE THAT FAILED	LOCATION (city and state)
BLOCK SYSTEMS <input type="checkbox"/> AB <input type="checkbox"/> APB <input checked="" type="checkbox"/> TC	03/04/2000	6681	Dwarf Signal	Norris Jct., AL
INTERLOCKING <input type="checkbox"/> REMOTE <input type="checkbox"/> MANUAL <input type="checkbox"/> AUTO-MATIC				
AUTOMATIC SYSTEMS <input type="checkbox"/> ATS <input type="checkbox"/> ATC <input type="checkbox"/> ACS				
OTHER (specify)				

**DESCRIPTION AND CAUSE OF FAILURE / CORRECTIVE ACTION TAKEN**

approximately 2:50 p.m., Train No. 192A504, Engineer \_\_\_\_\_ Conductor \_\_\_\_\_ was leaving Norris yard Eastbound and received a Diverging Clear indication (R/G) at Home Signal 27L - Norris Jct., MP 790.7. The operator at Birmingham Division Control Center observed train 192 entering the plant at Norris Junction onto Main 1 and contacted the train crew to stop. The 27L signal was not requested and should have been displaying a stop (R). Train 192 ran by signal approximately 1,250 ft.

Signal personnel investigated and took no exceptions of the signal system. Signal log reports at the Control Center and the field terminated the 27L signal was not requested nor did it indicate lined.

Further tests determined that the color light dwarf signal was subject to reflection from sunlight depending on the viewing location and position of the sun.

Action was taken to replace the standard hood arrangement with 9 inch hoods that surround each colored lens and install phantoms to further reduce direct sunlight reflection.

