

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

FALSE PROCEED SIGNAL REPORT

REPORT FOR (month/year)

March 2000

DATE

March 16, 2000

REPORTING CARRIER

Norfolk Southern Corporation

Division: Lake

REPORTING OFFICER

Chief Engineer - Western Region
Communications & Signal Department

MAIL TO

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

TYPE OF SYSTEM	DATE	LOCOMOTIVE NUMBER	DEVICE THAT FAILED	LOCATION (city and state)
BLOCK SYSTEMS <input checked="" type="checkbox"/> AB <input type="checkbox"/> APB <input type="checkbox"/> TC	03/09/2000	CR2898	Audio Frequency Overlay	Taylor, MI
INTERLOCKING <input type="checkbox"/> REMOTE <input type="checkbox"/> MANUAL				
AUTOMATIC SYSTEMS <input type="checkbox"/> ATS <input type="checkbox"/> ATC <input type="checkbox"/> ACS				
OTHER (specify)				

DESCRIPTION AND CAUSE OF FAILURE / CORRECTIVE ACTION TAKEN

At approximately 3:45 p.m., Train L60L59, Engineer _____ Conductor _____ was leaving Oakwood Jct. On the Detroit District, Lake Region on an approach indication into single direction ABS territory. They were following Train L64. As train L60 approached automatic signal D-10.2 they observed a clear signal. Aware that Train L64 was working ahead they passed this signal prepared to stop.

They stopped short of an open hand throw trailing point switch at MP D-11.2 and notified the Ft. Wayne Dispatcher.

S&S personnel investigated and determined that the circuit used to indicate the switch point position would not energize when power was removed from the transmitter. The switch indication is transmitted from the switch location to the signal location by a 1.2 kHz Audio Frequency Overlay (AFO) circuit. This area has high voltage transmission lines parallel to the track that may be a factor in the failure of the receiver unit to energize. The equipment will be sent to our Signal Repair Facility for further analysis.

A Phase Selective Overlay (PSO) circuit was installed in the place of the AFO and the signal system was tested and returned to service.

