DEPARTMENT OF TRANSPORTATION FEDERAL RAILROAD ADMINISTRATION					
FALSE PROCEED SIGNAL REPORT (ALLEGED)		DATE 07/23/03			
MAIL TO		REPORTING CARRIER (railroad & region or division)			
Mr. James Drake Signal & Train Control Specialist Federal Railroad Administration 901 Locust Street - Suite 464 Kansas City, MO 64106		Burlington Northern Santa Fe Railway			
		DEPORTING OFFICER ()			
james_drake@fra_dot.gov		REPORTING OFFICER (signature/title)			
		Assistant Vice President Signals			
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		The following abbreviations may be used in the report			
appliance of which it forms an essential part. E.g., assume grounds		A -Automatic		EM	-Electromechanical
cause a block signal to indicate a false proceed causing corresponding indications of a cab signal system on each train approaching this point,		AB -Automatic block		EP	-Electropneumatic
such failure should be included in Item 1. Block System		ACS -Automatic cab signal		FP	-False proceed
		APB -Absolute permissive block		MP	-Manual block
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		ATC -Automatic train control		M	-Mechanical
intended.		ATS -Automatic train stop		P	-Pneumatic
		CL -Color light		PL	-Position light
		CPL- Color position light		SA	-Semiautomatic
		E -Electric			
·		E -Electric		TC	-Traffic Control
TYPE OF SYSTEM DA	ATE	LOCOMOTIVE OR TRAIN	DEVICE THAT	LOCAT	ION (City and State)
		NUMBER	FAILED	(Sity and State)	
1 BLOCK SYSTEMS 7/13/03 AB APB TC		X GATRED9 13 None		Somerville, Tx	
2 INTERLOCKING AUTO MATIC					
3 AUTOMATIC SYSTEMS ATS ATC ACS					
4 OTHER (specify)					
NATURE AND CAUSE OF FAILURE/CORRECTIVE ACTION TAKEN					
Alleged					
As a northbound train was departing the yard at North Somerville Yard control point. A second northbound train, the X GATRED9-13 approached the control point on the mainline from the south. The northbound train on the mainline was to follow the northbound train departing the yard. The mainline train received a yellow aspect at the approach signal and a red aspect at the absolute NB mainline signal at North Somerville Yard control point. While stopped, and as the train departing the yard was occupying the OS track circuit, the engineer on the mainline train glanced up at the absolute NB mainline signal and noticed that it appeared to be displaying a yellow aspect. The engineer reported the occurrence to the dispatching center, however, did not take the signal.					
Signal and Operating Department personnel were dispatched to investigate and determined that the signal system was working as intended. It was found that light colored rock (white marble/limestone), recently spread on an access road adjacent to the absolute NB mainline signal, reflected sunlight into the H2 signal head causing the red aspect to appear yellow when viewed from the locomotive. The investigation team further verified the cause to be reflected sunlight when the aspect was observed red with the sun behind the clouds and yellow when the sun came out from behind the clouds.					
The nhantom cional was resolved by removing the white mok and replacing it with darker colored mok (absorbs, not reflects, sunlight). In addition					
(If more space is required continue on reverse)					FRA F6180-14