



Wb train (ID unknown) reported 2W Signal at MP 1120.7 displayed Red/Green indication for route through #1 Crossover UP Diamond into Red 77LB Signal MP 1122.2 at West Stockton. Signal Maintainer [redacted] was notified at 14:05 and confirmed aspect at 15:44. Signal Construction Supervisor [redacted] was notified immediately and F [redacted] was instructed to protect the route by spiking and clamping the #1 Crossover in the normal position, open battery to the switch motors and to notify the Dipatcher that the crossover was out of out of service until investigation could be completed. Investigation revealed cause to be failure of cable conductor insulation and shorting of B10 to 77LBHDP circuits in ground mounted junction box at West Stockton.

Previously Dwarf Signal 77LB had been run over and destroyed by loader replacing switch panel at West Stockton. Signal had been replaced by Signal Construction Gang, [redacted] Foreman. Cross and Ground, Color tests and appropriate locking tests had been performed by Signal Inspector [redacted] with assistance from [redacted] and [redacted] all tests completed with no exceptions noted.

Upon further investigation, it was determined that the ground mounted junction box had also been driven over by the loader and had broken at the connection to the riser box, below ground level. This damage was not visible under normal inspection. The cable conductors that shorted were stretched across the break and the stress on the conductors had gone undetected during re-installation and testing of the Signal.

Corrective Action: Junction box was replaced, B10 and 77LBHDP circuits were moved to spare conductors within the cable, appropriate tests were made to assure system was working as intended, crossover #1 at UP Diamond was put back in service at 11:30 AM 05/21/02.

(If more space is required continue on reverse)

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