Conrail Pavonia Yard Camden, New Jersey Evolution of Physical Change

October 1, 2013



Office of Vice President/Chief Engineer





Pavonia Yard - 1967







The Evolution of Change

- 1967 Over 1,000 cars per day were processed during Pennsylvania Railroad Seashore Line operation at Pavonia
- 1976 Pavonia Yard becomes part of Conrail
- 1987 Pavonia Yard on average handles 800 cars per day
- During the late 1980's and early 1990's, Conrail rationalizes the South Jersey cluster by retiring many outlying support yards
 - Hump and Classification Yard become customer-based yard for South Jersey, warranting humping of only eastbound traffic flows
 - Westbound traffic flows are flat-switched in the Support Yard





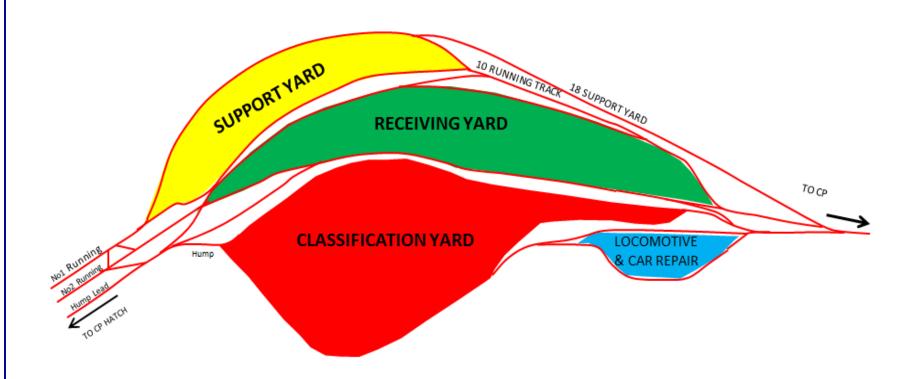
The Evolution of Change

- Post-split, Pavonia Yard handled between 600 and 750 cars per day, excluding unit train operations
- By 2009, freight traffic requiring processing over the Pavonia Hump was in the 300-350 range
- These volumes further supported the cessation of humping activity to reduce operating and maintenance expenses and the avoidance of near-term capital investment
- The introduction of recently developed technology allowed for automated flat switching and single person remote crews to operate without any utility personnel





Pavonia Yard Track Layout PAVONIA YARD







Support Yard Under Construction







Switching Kiosk and Camera Monitor







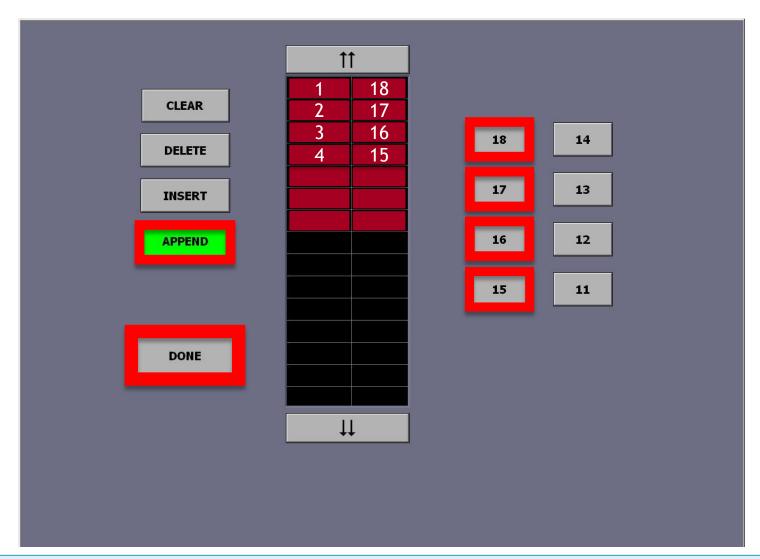
Switching Kiosk and Camera Monitor







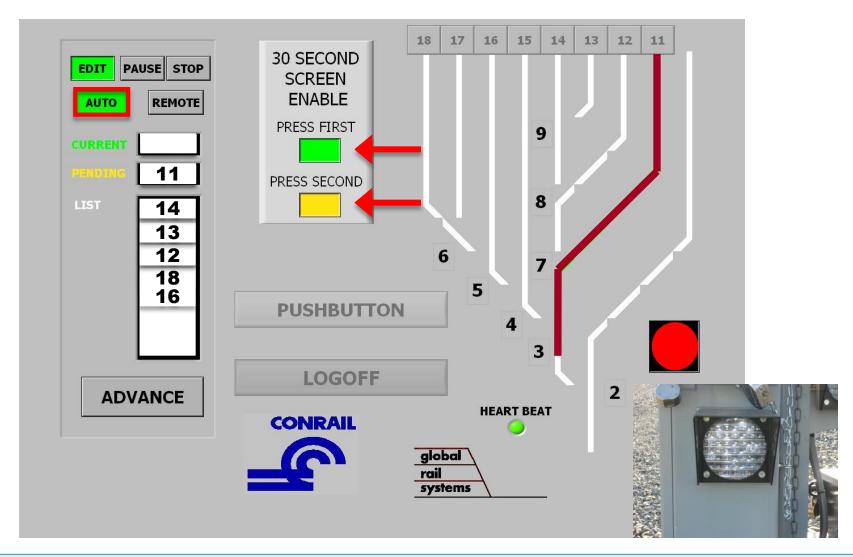
Switching Cut List Screen







Switching Kiosk – Automatic Mode







Switch Indications







Demonstration

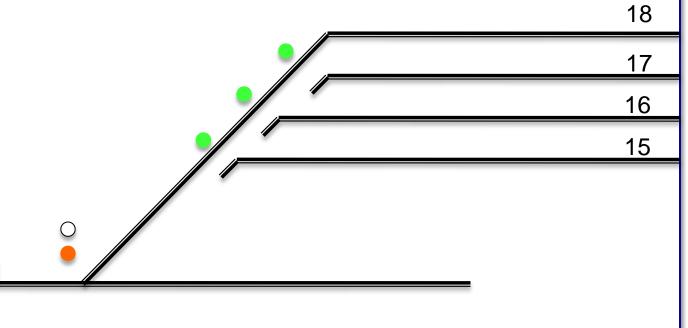
18 **CURRENT**

17 **PENDING**

LIST

17

15







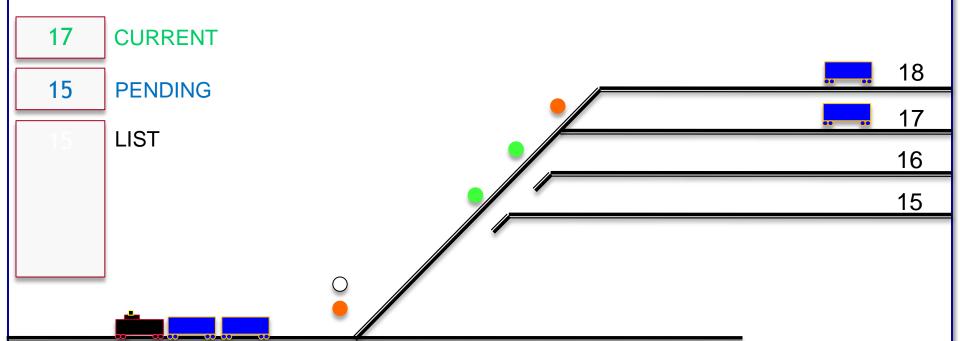


DEMONSTRATION CURRENT 17 18 **PENDING** 17 17 15 LIST 16 15 KIOSK





DEMONSTRATION

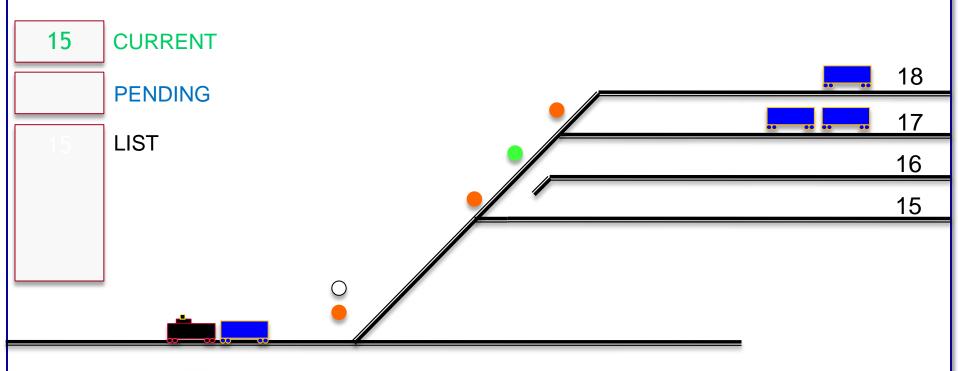








DEMONSTRATION









Cameras views from kiosk







West End Support Yard View







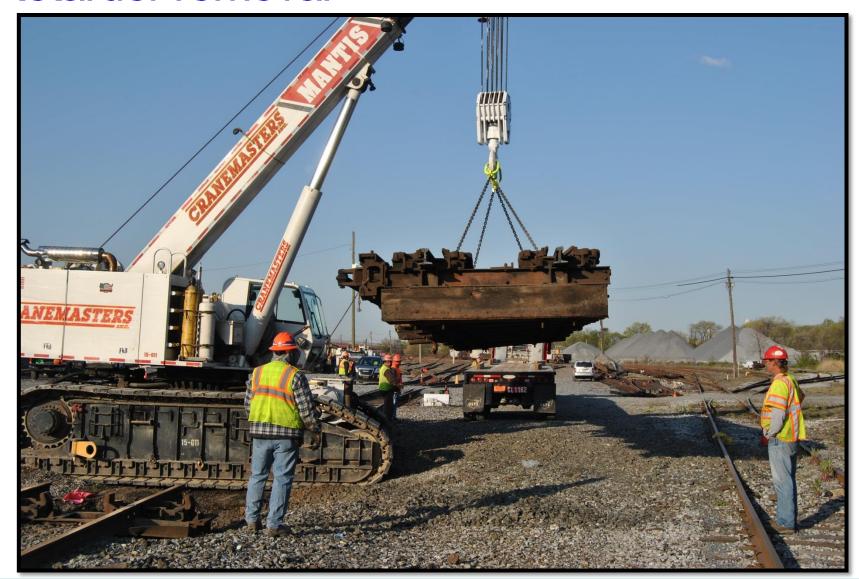
Removal of retarders and hump lead







Retarder removal







Hump Lead looking east







Reprofiled Class Yard Switching Lead







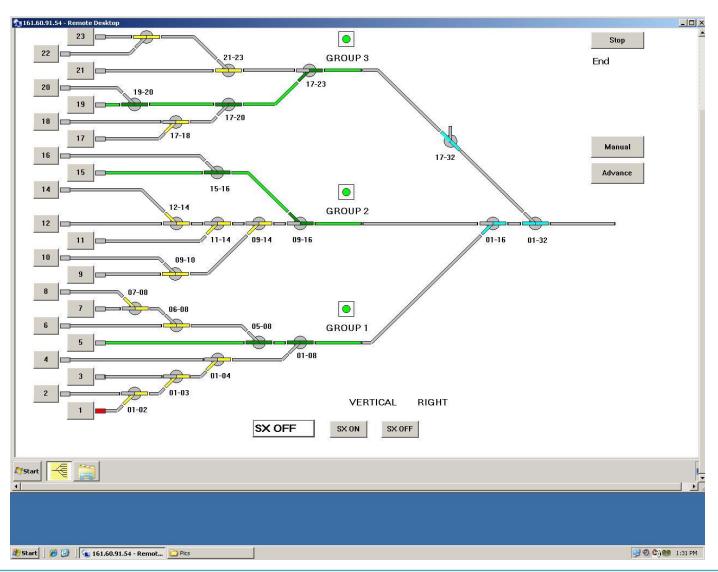
Reprofiled Class Yard Switching Lead







Kiosk Screen - Class Yard







Receiving Yard







Receiving Yard





