

BNSF Railway



COMMIT TO
COMMUNICATE

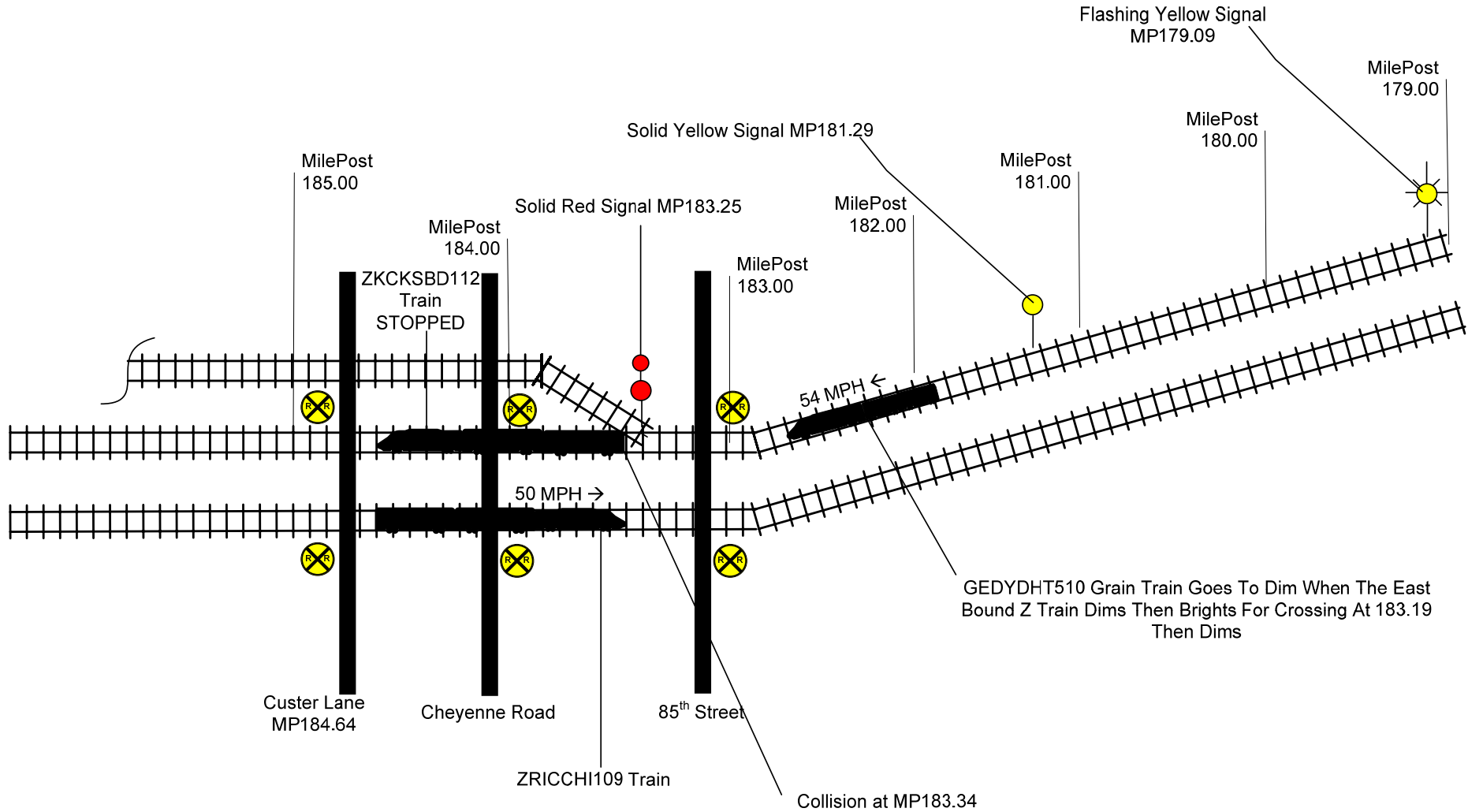


Collision Derailment
1/12/08
Augusta, KS

AUGUSTA, KANSAS COLLISION

- On January 12th, 2008 at 0540 hours a Westbound Grain train passed a Red Absolute signal at MP 183.25 striking the rear of a stopped Westbound Z train at MP 183.34 on Main1, Emporia Subdivision, Augusta Kansas. Train speed at time of impact is estimated to be greater than 50-mph. The subsequent derailment then struck line 04 of a passing eastbound Z train on Main 2, placing it into emergency.
- The lead two locomotives and head 29 cars of the grain train, the rear two cars of the stopped westbound Z train and lines 4-13 of the eastbound Z train were derailed.
- The Westbound Grain train had passed a flashing yellow signal at MP 179.09 and a solid yellow signal at MP 181.29 at speeds estimated greater than 50-mph.

AUGUSTA, KANSAS COLLISION



AUGUSTA, KANSAS COLLISION

- Event recorder download revealed multiple throttle corrections which appear to be made to maintain a speed of 55 MPH.
- When the approaching east bound Z train dimmed its lights after going over a crossing at MP 183.60, the grain train dimmed its lights until going to bright for a crossing at MP 183.19, and then going to dim after passing the crossing.
- The grain crew was on duty at 2050 hrs. The conductor had 37 hours 20 minutes off and the engineer 40 hours 5 minutes off prior to going on duty.

THE CONSEQUENCE

- Lacerations and bruises to the grain train crew members
- Early estimation of 8.8 million dollars in direct costs
- Solid reminder of the need to focus on the task at hand and “Commit to Communicate”

THE CONSEQUENCE



LEAD LOCOMOTIVE ON WESTBOUND GRAIN TRAIN



LEAD LOCOMOTIVE ON WESTBOUND GRAIN TRAIN



TRAILING LOCOMOTIVE ON WESTBOUND GRAIN TRAIN











COMMIT TO COMMUNICATE

- **USE YOUR SIGNAL AWARENESS FORMS TO ANTICIPATE SIGNAL LOCATIONS**
- **CALL AND RECORD ALL SIGNALS**
- **VERBALLY CONFIRM A SIGNAL CALLED BY A FELLOW CREW MEMBER TO ENSURE AGREEMENT**
- **SHARE THE RESPONSIBILITY TO ENSURE THE TRAIN IS BEING CONTROLLED IN RESPONSE TO SIGNAL INDICATIONS**
- **DISCONTINUE NON-ESSENTIAL COMMUNICATION AND ACTIVITIES WHEN OPERATING UNDER A SIGNAL DISPLAYING AN ASPECT LESS FAVORABLE THAN CLEAR.**