



U.S. Department
of Transportation

**Federal Railroad
Administration**

SUMMARY OF ACCIDENTS

INVESTIGATED

BY THE

FEDERAL

RAILROAD

ADMINISTRATION

CALENDAR YEAR 1994

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INTRODUCTION

The 1994 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 83 railroad accidents.

This summary provides the following information:

- o the railroad(s) involved
- o the location and the time of the accident
- o the type of railroad accident
- o the method of operation and movements involved
- o the speed involved
- o the number of casualties
- o the estimated cost of railroad damages
- o the probable cause and any contributing factor(s)

The railroad codes used in this summary can be found in the FRA Guide for Preparing Accidents/Incidents Reports, Appendix A.

Estimated railroad damage includes labor cost, and all other costs to repair or replace damaged on-track equipment, signals, track, track structures, or roadbed. The cost of lading and clearing the wreck, as well as the cost to society, is not included.

The data were edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or use.

Federal Railroad Administration
Office of Safety, RRS-22
400 Seventh Street, S.W.
Washington, DC 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1994, the Federal Railroad Administration investigated and determined the probable cause of 83 railroad accidents.

2. <u>Type of Accident</u>	<u>No.</u>	<u>Percent</u>
(a) Derailment	29	35.0
(b) Head-End Collision	5	6.0
(c) Rear-End Collision	11	13.3
(d) Side Collision	5	6.0
(e) Raking Collision	1	1.2
(f) Highway-Rail Crossing	21	25.3
(g) Obstruction	1	1.2
(h) Other	<u>10</u>	<u>12.0</u>
TOTAL	83	100.0

3. Casualties

(a) Killed	73
(b) Injured	<u>258</u>
TOTAL	331

ACCIDENT SUMMARY BY TRACK CLASS, DAMAGES, AND TYPE

TRACK CLASS	ACCIDENTS	TOTAL DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	HIWAY-RAIL COLLISIONS
1	7	2,849,907	1	3	3	0
2	12	8,502,348	3	5	4	0
3	20	11,792,926	6	10	0	4
4	34	10,861,873	6	10	3	15
5	10	7,511,895	6	1	1	2
TOTAL	83	41,518,949	22	29	11	21

CARRIER	COLLISIONS	DERAILMENTS	OTHER	HIGHWAY-RAIL COLLISION	TOTAL ACCIDENTS
AMTRAK (NATIONAL RR PASSENGER CORP)	2	1	1	2	6
ATCHISON, TOPEKA & SANTA FE RAILWAY	6	2	0	0	8
BURLINGTON NORTHERN RAILROAD	3	5	2	6	16
BELT RAILWAY COMPANY OF CHICAGO	0	0	1	0	1
CHICAGO, CENTRAL & PACIFIC RAILROAD	0	0	1	0	1
CONNECTICUT DEPARTMENT OF TRANS	1	0	0	0	1
CONSOLIDATED RAIL CORPORATION	2	5	1	1	9
CSX TRANSPORTATION	2	7	0	1	10
DENVER & RIO GRANDE WESTERN RAILROAD	0	0	0	1	1
IOWA INTERSTATE RAILROAD	0	1	0	0	1
ILLINOIS CENTRAL RAILROAD	1	1	0	1	3
INDIANA HI-RAIL CORPORATION	0	1	0	0	1
KANSAS CITY SOUTHERN RAILWAY	1	1	1	0	3
MASSACHUSETTS CENTRAL RAILROAD	0	0	1	0	1
MOUNTAIN LAUREL RAILROAD	0	0	0	1	1
MONTANA RAIL LINK	0	0	0	1	1
NEW JERSEY TRANSIT RAIL OPERATIONS	1	1	0	0	2
NORFOLK SOUTHERN CORPORATION	1	0	1	3	5
RINGLING BROTHERS, BARNUM & BAILEY CIR.	0	1	0	0	1
SOUTHERN CALIFORNIA REGIONAL RAIL	0	0	0	1	1
SANTA FE SOUTHERN RAILWAY	0	0	1	0	1
SOO LINE RAILROAD	1	1	0	0	2
SOUTHERN PACIFIC TRANSPORTATION	4	6	2	2	14
UNION PACIFIC RAILROAD	4	1	0	6	11
<u>WISCONSIN CENTRAL LTD</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>
TOTAL	31	34	12	26	103

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	01/07/94	03:15 PM	STAPLES	MN	HIGHWAY-RAIL CROSSING	3	0	\$ 445
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
1			METHOD OF OPERATION:	AUTOMATIC BLOCK TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		02110	60 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
RBX CSX	01/13/94	09:11 AM	LAKELAND	FL	DERAILMENT	2	14	\$ 1,018,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
2			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: MIXED TRAIN		92312	52 MPH
			EQUIPMENT DERAILED:	16 CAR(S)				
PROBABLE CAUSE: BROKEN L-4 WHEEL ON CAR NO. RBX 89 CAUSED BY A FATIGUE FRACTURE.								
SFS	01/13/94	02:35 PM	LAMY	NM	OTHER	0	1	\$ 54,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
3			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: MIXED TRAIN MOW EQUIPMENT		SFS92	6 MPH 2 MPH
			EQUIPMENT DERAILED:	NONE				
PROBABLE CAUSE: THE CREWMEMBERS OF SFS 92 AND THE MAINTENANCE OF WAY CONTRACTOR'S CREW MADE OPPOSING MOVES ON THE SAME TRACK.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CSX	01/18/94	11:40 PM	COWEN	WV	DERAILMENT	0	0	\$ 1,356,300
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
4			METHOD OF OPERATION:	DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		N812	31 MPH
			EQUIPMENT DERAILED:	58 CAR(S)				
PROBABLE CAUSE: UNDETERMINED.								
KCS	01/27/94	01:45 AM	VICKSBURG	MS	OTHER	0	2	\$ 334,750
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
5			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: LIGHT LOCO(S)		18	0 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)			28	0 MPH
				9 CAR(S)				20 MPH
PROBABLE CAUSE: THE CREWMEMBERS OF TRAIN NO. 18 DID NOT PROPERLY SECURE A CUT OF CARS ON A DESCENDING GRADE. THE CARS ROLLED FREE, STRUCK THEIR LOCOMOTIVES, AND SUBSEQUENTLY IMPACTED THE LIGHT LOCOMOTIVES FROM TRAIN NO. 28.								
CR	01/30/94	02:20 AM	CONWAY	PA	OTHER	0	0	\$ 154,315
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	2				
6			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: CUT OF CARS		YIVE3	UNK MPH
			EQUIPMENT DERAILED:	3 CAR(S)				
PROBABLE CAUSE: PERSONNEL RESPONSIBLE FOR THE HUMPING OPERATIONS DID NOT RESTRICT THE NUMBER OF HEAVY CARS OPERATED THROUGH THE RETARDER AT ONE TIME, AS REQUIRED BY CARRIER RULES.								
CONTRIBUTING FACTORS: THE RETARDER FAILED TO EFFECTIVELY CONTROL THE MOVEMENT OF A CUT OF TANK CARS DUE TO OIL CONTAMINATION ON THE TANK CARS' WHEELS.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/31/94	05:20 AM	SELKIRK	NY	REAR-END COLLISION	0	3	\$ 264,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
7			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	TV6	19 MPH
						FREIGHT TRAIN	TV204	0 MPH
			EQUIPMENT DERAILED:	3 LOCOMOTIVE(S) 2 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF CR TV 6 DID NOT TO OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A RESTRICTING SIGNAL.

CONTRIBUTING FACTORS: THE ENGINEER'S AND CONDUCTOR'S BLOOD/ALCOHOL LEVELS WERE MEASURED AT 0.130 AND 0.154 PERCENT RESPECTIVELY.

ATK SP	02/02/94	12:05 PM	JOLIET	IL	HIGHWAY-RAIL CROSSING	3	0	\$ 200
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
8			METHOD OF OPERATION:	AUTOMATIC BLOCK DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED:	PASSENGER TRAIN	303	79 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SOO BN	02/08/94	05:50 PM	ST. PAUL	MN	HEAD-END COLLISION	0	6	\$ 119,000
9			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 3 AUTOMATIC BLOCK TIMETABLE 3 LOCOMOTIVE(S)	MOVEMENTS INVOLVED: LIGHT LOCO(S) FREIGHT TRAIN		4723 203	0 MPH 22 MPH
PROBABLE CAUSE: THE BN HUMP DISPATCHER ISSUED OVERLAPPING TRACK OCCUPANCY PERMITS TO THE TWO OPPOSING SOO TRAINS.								
CSX	02/09/94	08:38 AM	MT. AIRY	MD	DERAILMENT	0	0	\$ 15,550
10			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 3 TRAFFIC CONTROL 2 LOCOMOTIVE(S) 1 CAR(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN		13709	24 MPH
PROBABLE CAUSE: THE CREWMEMBERS OF CSX 13709 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY APPROACH AND STOP SIGNALS.								
WC CSX	02/09/94	04:00 AM	CHICAGO	IL	REAR-END COLLISION	0	2	\$ 96,800
11			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 3 YARD LIMITS 1 LOCOMOTIVE(S) 4 CAR(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		Y250 T-044	0 MPH 15 MPH
PROBABLE CAUSE: THE CREWMEMBERS OF WC T-044 DID NOT OPERATE THEIR TRAIN WITHIN YARD LIMITS AT A SPEED WHICH WOULD ALLOW STOPPING WITHIN ONE HALF THE RANGE OF VISION.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	02/09/94	01:40 PM	ANDERSON	MO	HEAD-END COLLISION	0	5	\$ 1,221,324
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		3			
12			METHOD OF OPERATION:		TRAFFIC CONTROL			
					MOVEMENTS INVOLVED: FREIGHT TRAIN		82	19 MPH
					FREIGHT TRAIN		107	24 MPH
			EQUIPMENT DERAILED:		4 LOCOMOTIVE(S)			
					8 CAR(S)			

PROBABLE CAUSE: THE CREWMEMBERS OF BOTH TRAINS DID NOT OPERATE AT RESTRICTED SPEED THROUGH THE LIMITS OF THEIR JOINT TRACK AND TIME AUTHORITY.

SP	02/09/94	03:45 AM	GLENDALE	OR	DERAILMENT	0	0	\$ 16,000
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		2			
13			METHOD OF OPERATION:		VERBAL PERMISSION			
			EQUIPMENT DERAILED:		10 CAR(S)			
					MOVEMENTS INVOLVED: FREIGHT TRAIN		1EMUM	20 MPH

PROBABLE CAUSE: WIDE GAGE CAUSED BY INEFFECTIVE CROSS TIES.

ATK	02/09/94	05:35 PM	WILMINGTON	DE	LOCOMOTIVE	0	1	\$ 0
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		5			
14			METHOD OF OPERATION:		TRAFFIC CONTROL			
					AUTO TRAIN CONTROL			
					CAB SIGNAL			
					AUTO TRAIN STOP			
			EQUIPMENT DERAILED:		NONE			
					MOVEMENTS INVOLVED: PASSENGER TRAIN		82	90 MPH

PROBABLE CAUSE: ABRASIVE MOVEMENT BETWEEN THE TUBE ASSEMBLY AND THE CYLINDRICAL POST WORE THROUGH THE WELDED CONNECTION CAUSING THE POST AND OPERATOR'S SEAT TO SEPARATE.

CONTRIBUTING FACTORS: THE CARRIER FAILED TO CONDUCT A COMPLETE INSPECTION OF THE CAB SEAT ASSEMBLIES AS REQUIRED BY CARRIER DIRECTIVES.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
IHRC	02/15/94	07:10 PM	GRIFFIN	IN	DERAILMENT	0	0	\$ 29,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
15			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: FREIGHT TRAIN		BREV	9 MPH
			EQUIPMENT DERAILED:	10 CAR(S)				
PROBABLE CAUSE: IMPROPER TRAIN MAKE-UP. WHEEL LIFT CAUSED BY EXCESSIVE BUFF (COMPRESSIVE) FORCES GENERATED BY DISPROPORTIONATE WEIGHT DISTRIBUTION AT THE REAR OF THE TRAIN.								
BN	02/16/94	08:14 AM	QUANAH	TX	OTHER	0	0	\$ 40,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
16			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		01194	10 MPH
			EQUIPMENT DERAILED:	2 CAR(S)				
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED: 47			
PROBABLE CAUSE: THE CREWMEMBERS OF BN 01194 DID NOT UTILIZE PROPER RADIO COMMUNICATIONS WHILE BACKING UP TO THE STANDING PORTION OF THEIR TRAIN.								
CSX	02/19/94	08:58 AM	BOOTHWYN	PA	HIGHWAY-RAIL CROSSING	4	0	\$ 800
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
17			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		R136	49 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	02/23/94	12:40 PM	WEST COLTON	CA	DERAILMENT	0	0	\$ 306,998
			TYPE OF TRACK:		SIDING			
			CLASS OF TRACK:		2			
18			METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN	BKDOU 10 MPH
			EQUIPMENT DERAILED:		9 CAR(S)			
PROBABLE CAUSE: EXCESSIVE BUFF (COMPRESSIVE) FORCES GENERATED WHEN THE ENGINEER DID NOT EFFECTIVELY CONTROL THE SLACK IN HIS TRAIN WHILE RELEASING THE AIR BRAKES ON A DESCENDING GRADE.								

NS	02/24/94	07:30 AM	CADES	TN	HIGHWAY-RAIL CROSSING	3	0	\$ 0
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
19			METHOD OF OPERATION:		TRACK WARRANT CONTROL		MOVEMENTS INVOLVED: WORK TRAIN	921 45 MPH
			EQUIPMENT DERAILED:		NONE			
			WARNING DEVICE:		PASSIVE			
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING WORK TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

SP	02/24/94	09:53 PM	LANGTRY	TX	DERAILMENT	0	0	\$ 603,000
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
20			METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN	NSLBT 44 MPH
			EQUIPMENT DERAILED:		5 CAR(S)			
PROBABLE CAUSE: RESTRICTED MOVEMENT OF THE TRUCK BOLSTER ON ARTICULATED INTERMODAL CAR NO. DTTX 72110, THE 22ND CAR IN THE TRAIN, CREATED HIGH LATERAL FORCES THAT CAUSED THE HIGH RAIL TO ROLL OUTWARD.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	02/24/94	07:35 AM	LUCUS	IA	DERAILMENT	0	0	\$ 2,000,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
21			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		328RC	49 MPH
			EQUIPMENT DERAILED:	TRACK WARRANT CONTROL				
				52 CAR(S)				
PROBABLE CAUSE: BROKEN RAIL (VERTICAL SPLIT HEAD).								
IC	02/26/94	01:30 PM	FLORA	MS	HEAD-END COLLISION	1	3	\$ 1,248,578
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
22			METHOD OF OPERATION:	TRACK PERMIT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		5 MENL	25 MPH ^{2/12}
			EQUIPMENT DERAILED:	4 LOCOMOTIVE(S)	FREIGHT TRAIN		4 BRME	34 MPH ^{2/15}
				22 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF NORTHBOUND TRAIN IC BRME DID NOT COMPLY WITH THEIR TRACK PERMIT CONTROL AUTHORITY AND OCCUPIED THE MAIN TRACK PRIOR TO THE ARRIVAL OF TRAIN IC MENL.								
SOO	02/27/94	06:20 AM	BURLINGTON	ND	DERAILMENT	0	2	\$ 574,961
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
23			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		58024	40 MPH
			EQUIPMENT DERAILED:	25 CAR(S)				
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED: 1500			
PROBABLE CAUSE: CENTER BROKEN JOINT BARS CAUSED A RAIL-END MISMATCH.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	02/27/94	07:40 AM	RIALTO	CA	DERAILMENT	0	0	\$ 382,400
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
24			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		EUWCM	29 MPH
			EQUIPMENT DERAILED:	19 CAR(S)				
<p>PROBABLE CAUSE: WHEEL LIFT CAUSED BY EXCESSIVE METAL BUILD-UP ON THE WHEEL TREAD DUE TO A DEFECTIVE AIR BRAKE VALVE. THE DEFECTIVE VALVE ON COVERED HOPPER SSW 71562 ALLOWED EXCESSIVE AIR PRESSURE TO ENTER THE BRAKE CYLINDER AND CAUSED THE BRAKE SHOES TO OVERHEAT.</p>								
ATK UP	03/03/94	07:05 PM	PLATTEVILLE	CO	HIGHWAY-RAIL CROSSING	0	13	\$ 218,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
25			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		26	68 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S) 5 CAR(S)				
			WARNING DEVICE:	PASSIVE				
<p>PROBABLE CAUSE: THE TANK TRUCK DRIVER DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.</p>								
SP ATSF	03/07/94	06:40 PM	BAKERSFIELD	CA	REAR-END COLLISION	0	4	\$ 86,600
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
26			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		BABK1 DOBKU	5 MPH 24 MPH
			EQUIPMENT DERAILED:	3 CAR(S)				
<p>PROBABLE CAUSE: THE CREWMEMBERS OF SP DOBKU DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A STOP SIGNAL.</p>								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	03/28/94	07:29 PM	GREENWICH	OH	REAR-END COLLISION	0	2	\$ 551,055
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
27			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		COBU8	30 MPH
					FREIGHT TRAIN		UAT13	0 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S) 18 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF CR COBU-8 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A STOP AND PROCEED SIGNAL.								
SP	03/29/94	08:05 AM	STRAUSS	NM	REAR-END COLLISION	0	2	\$ 3,700
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
28			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		EPCIM	13 MPH
					FREIGHT TRAIN		EPTUL	0 MPH
			EQUIPMENT DERAILED:	2 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF SP EPCIM DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A STOP AND PROCEED SIGNAL.								
KCS	04/03/94	11:50 PM	HAWTHORN	LA	DERAILMENT	0	0	\$ 398,441
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
29			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		684	25 MPH
			EQUIPMENT DERAILED:	23 CAR(S)				
PROBABLE CAUSE: EXCESSIVE BUFF (COMPRESSIVE) FORCES, RESULTING FROM IMPROPER TRAIN MAKE-UP, CAUSED WHEEL LIFT ON A LIGHTLY LOADED FLATCAR NO. TTDX 930404, THE 73RD CAR IN THE TRAIN.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NS	04/04/94	07:00 AM	CAMP CROFT	SC	HIGHWAY-RAIL CROSSING	0	3	\$ 3,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
30			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		P86	25 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE TANK TRUCK OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
BN	04/04/94	07:30 PM	PERHAM	MN	DERAILMENT	0	0	\$ 496,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
31			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		01110	39 MPH
			EQUIPMENT DERAILED:	TRACK WARRANT CONTROL				
				23 CAR(S)				
PROBABLE CAUSE: BROKEN RAIL (VERTICAL SPLIT HEAD).								
ATK CDT	04/15/94	06:51 AM	OLD SAYBROOK	CT	HEAD-END COLLISION	0	17	\$ 37,975
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
32			METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED: PASSENGER TRAIN		3639	10 MPH
				CAB SIGNAL	PASSENGER TRAIN		3506	0 MPH
				TRAFFIC CONTROL				
				AUTO TRAIN CONTROL				
			EQUIPMENT DERAILED:	NONE				
PROBABLE CAUSE: THE ENGINEER OF CDT 3639 DID NOT OPERATE HIS TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A STOP SIGNAL.								
CONTRIBUTING FACTORS: THE ENGINEER OF CDT 3639 DID NOT PLACE THE CAB SIGNAL MODE SWITCH IN THE 'FORWARD' POSITION AND THEREFORE RENDERED THE CAB SIGNAL INOPERATIVE.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK CSX	05/16/94	04:37 AM	SMITHFIELD	NC	RAKING COLLISION	1	29	\$ 3,800,000
33			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 5 TRAFFIC CONTROL 2 LOCOMOTIVE(S) 17 CAR(S)	MOVEMENTS INVOLVED: PASSENGER TRAIN FREIGHT TRAIN		PO87 R176	79 MPH 36 MPH
PROBABLE CAUSE: A LOADED TRAILER (REAZ 232980), IMPROPERLY LATCHED ON FLATCAR KTTX 251988, SHIFTED OUTWARD TOWARD THE ADJACENT TRACK AND FOULED THE PATH OF THE ONCOMING PASSENGER TRAIN.								
CR	05/29/94	05:00 AM	VAN PORT	PA	DERAILMENT	0	0	\$ 359,433
34			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 3 AUTOMATIC BLOCK TIMETABLE 26 CAR(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN		ELPI8	30 MPH
PROBABLE CAUSE: EXCESSIVE BUFF (COMPRESSIVE) FORCES RESULTING FROM THE IMPROPER USE OF THE DYNAMIC BRAKE.								
MCER	06/04/94	10:00 AM	PALMER	MA	OTHER	0	1	\$ 94,500
35			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	SIDING 2 FORM D CONTROL SYSTEM 2 LOCOMOTIVE(S) 1 CAR(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN		957	20 MPH
PROBABLE CAUSE: VANDALS OPENED A FACING-POINT SWITCH IN FRONT OF THE TRAIN AND DIVERTED THE MOVEMENT INTO A SIDING WHICH WAS OCCUPIED BY A STATIONARY HOPPER CAR.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MRL BN	06/05/94	12:10 AM	HAUSER	ID	HIGHWAY-RAIL CROSSING	3	0	\$ 0
36			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: WARNING DEVICE:	MAIN 4 TRAFFIC CONTROL NONE PASSIVE	MOVEMENTS INVOLVED: FREIGHT TRAIN		01021	52 MPH

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THE MOTOR VEHICLE OPERATOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT 0.22 PERCENT.

BN	06/08/94	03:27 AM	NORWAY	NE	REAR-END COLLISION	2	2	\$ 2,431,000
37			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 4 TRAFFIC CONTROL 4 LOCOMOTIVE(S) 40 CAR(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN FREIGHT TRAIN		RC356 KK056 RR057	0 MPH 49 MPH 28 MPH

PROBABLE CAUSE: THE CREWMEMBERS OF BN TRAIN NO. KK056 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY 'APPROACH' AND 'STOP AND PROCEED' SIGNALS.

CONTRIBUTING FACTORS: POSSIBLE FATIGUE AS INDICATED BY THE FAILURE OF THE KK056 CREWMEMBERS TO INITIATE ANY ACTION TO CONTROL THE SPEED OF THEIR TRAIN UNTIL MOMENTS BEFORE IMPACT.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	06/11/94	12:56 PM	EASTLAND	TX	DERAILMENT	0	1	\$ 993,650
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
38			METHOD OF OPERATION:		TRAFFIC CONTROL			
			EQUIPMENT DERAILED:		4 LOCOMOTIVE(S)			
					31 CAR(S)			
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED:	12		
PROBABLE CAUSE: UNSTABLE TRACK STRUCTURE AND GEOMETRY CONDITIONS CAUSED BY INEFFECTIVE CROSSTIES AND IRREGULAR CROSS LEVEL.								
CONTRIBUTING FACTORS: CARRIER PERSONNEL DID NOT TAKE CORRECTIVE ACTION TO ADDRESS TRACK STRUCTURE/GEOMETRY CONDITIONS THAT WERE NOT IN COMPLIANCE FOR THE SPEED AT WHICH TRAINS WERE ALLOWED TO OPERATE.								
NJTR CR	06/28/94	05:55 PM	HARRIMAN	NY	DERAILMENT	0	9	\$ 569,470
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		3			
39			METHOD OF OPERATION:		TRAFFIC CONTROL			
			EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)			
					1 CAR(S)			
PROBABLE CAUSE: IRREGULAR TRACK ALIGNMENT (BUCKLED) RESULTING FROM LATERAL FORCES GENERATED BY AN EMERGENCY BRAKE APPLICATION OF CONRAIL TRAIN NO. 401.								
CONTRIBUTING FACTORS: CREWMEMBERS OF CONRAIL ML401, DID NOT PROPERLY INSPECT THEIR TRAIN AFTER AN EMERGENCY BRAKE APPLICATION AND THE TWO NJTR TRAIN DISPATCHERS DID NOT RESTRICT THE SPEED OF FOLLOWING TRAIN (NO. 57) AS REQUIRED.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DRGW	07/01/94	10:30 AM	MAPLETON	UT	HIGHWAY-RAIL CROSSING	3	0	\$ 1,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
40			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		OADV	49 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO THE ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
ATSF	07/03/94	04:38 PM	KINGMAN	AZ	DERAILMENT	0	0	\$ 311,700
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
41			METHOD OF OPERATION:	AUTOMATIC BLOCK TIMETABLE TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		HKCBA	27 MPH
			EQUIPMENT DERAILED:	17 CAR(S)				
PROBABLE CAUSE: IMPROPER PLACEMENT OF PASSENGER CARS IN TRANSIT. ATSF WAYBILL RESTRICTIONS PROHIBITED COUPLING PASSENGER CAR BOMX 2303 TO TANK CARS WITH DOUBLE SHELF COUPLERS.								
UP	07/14/94	07:50 AM	STOCKTON	CA	HIGHWAY-RAIL CROSSING	5	0	\$ 500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
42			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		MINPV	57 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	07/14/94	08:02 PM	CORSICANA	TX	OTHER	0	0	\$ 30,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
43			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		LBMFT	53 MPH
			EQUIPMENT DERAILED:	NONE	MOW EQUIPMENT		211	0 MPH
PROBABLE CAUSE: MAINTENANCE OF WAY EQUIPMENT OCCUPIED THE MAIN TRACK WITHOUT AUTHORITY.								
CONTRIBUTING FACTORS: THE DISPATCHER FAILED TO RECOGNIZE THE TRACK INSPECTOR'S INCORRECT READ-BACK OF HIS TRACK AND TIME LIMITS.								
SP	07/25/94	09:06 AM	HAYMOND	TX	HEAD-END COLLISION	4	0	\$ 5,114,849
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
44			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		LBMFT	35 MPH
			EQUIPMENT DERAILED:	9 LOCOMOTIVE(S)	FREIGHT TRAIN		HOLBT	25 MPH
				5 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF EASTBOUND SP LBMFT DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY 'ADVANCE APPROACH', 'APPROACH' AND 'STOP' SIGNALS.								
CONTRIBUTING FACTORS: POSSIBLE FATIGUE DUE TO ERRONEOUS INFORMATION GIVEN TO THE LBMFT CREW REGARDING THEIR ANTICIPATED ON-DUTY TIME.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NS	07/28/94	11:40 AM	RICHMOND	VA	OTHER	1	4	\$ 7,850
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
45			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: SINGLE CAR			15 MPH
			EQUIPMENT DERAILED:	NONE				
PROBABLE CAUSE: INOPERATIVE HAND BRAKE ON BOXCAR ECOX 313 CAUSED BY MISSING BRAKE ROD CONNECTION PINS.								
CONTRIBUTING FACTORS: THE CREWMEMBERS OF NS YARD ASSIGNMENT V29V28 DID NOT TEST THE HANDBRAKE PRIOR TO UNCOUPLING THE BOXCAR ON A GRADE.								
ATSF SP	07/28/94	09:55 PM	WOODFORD	CA	SIDE COLLISION	0	0	\$ 273,000
			TYPE OF TRACK:	SIDING				
			CLASS OF TRACK:	2				
46			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		5021	20 MPH
					FREIGHT TRAIN		5131	20 MPH
			EQUIPMENT DERAILED:	4 LOCOMOTIVE(S) 2 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF ATSF 5021 EAST DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY 'APPROACH' AND 'STOP' SIGNALS.								
CONTRIBUTING FACTORS: BOTH CREWMEMBERS STATED THAT THEY HAD FALLEN ASLEEP PRIOR TO THE COLLISION. THE USE OF HEROIN BY THE CONDUCTOR VERY LIKELY CONTRIBUTED TO HIS INABILITY TO STAY ALERT.								
SP	07/30/94	08:40 PM	BLOOM	KS	HIGHWAY-RAIL CROSSING	3	0	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
47			METHOD OF OPERATION:	AUTOMATIC BLOCK DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		EPKCT	55 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	08/02/94	07:55 PM	DOUGLAS	WY	HIGHWAY-RAIL CROSSING	5	0	\$ 0
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
48			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		0194	45 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
ATK CR	08/03/94	03:45 AM	BATAVIA	NY	DERAILMENT	0	129	\$ 1,865,000
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		5			
49			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		49	78 MPH
			EQUIPMENT DERAILED:	14 CAR(S)				
PROBABLE CAUSE: UNDETERMINED.								
ATSF UP	08/04/94	09:40 AM	BARSTOW	CA	REAR-END COLLISION	0	0	\$ 121,450
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
50			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		564	18 MPH
			EQUIPMENT DERAILED:	5 CAR(S)	FREIGHT TRAIN		6327	0 MPH
PROBABLE CAUSE: CREWMEMBERS OF ATSF 564 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY 'APPROACH' AND 'STOP' SIGNALS.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	08/09/94	02:15 PM	SANDUSKY	OH	DERAILMENT	0	0	\$ 277,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
51			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		ELPI	42 MPH
			EQUIPMENT DERAILED:	19 CAR(S)				
PROBABLE CAUSE: EXCESSIVE BUFF (COMPRESSIVE) FORCES RESULTING FROM AN ENGINEER INDUCED EMERGENCY BRAKE APPLICATION WHEN HE OBSERVED AN UNEXPECTED STOP SIGNAL INDICATION AT AN INTERLOCKING.								
CONTRIBUTING FACTORS: A SIGNAL MAINTAINER SHUNTED THE TRACK CIRCUIT WITHOUT AUTHORITY. THE EXCESSIVE BUFF FORCES WERE CAUSED BY IMPROPER TRAIN MAKE-UP.								
IC	08/12/94	02:10 PM	BLUFORD	IL	DERAILMENT	0	0	\$ 1,797,626
			TYPE OF TRACK:	SIDING				
			CLASS OF TRACK:	2				
52			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		MERC	20 MPH
			EQUIPMENT DERAILED:	10 CAR(S)				
PROBABLE CAUSE: DRAGGING BRAKE EQUIPMENT (BROKEN BEAM) CAME BETWEEN THE RAIL AND WHEEL ON BOX CAR ICG 580670.								
SP BN	08/15/94	02:15 AM	WEST QUINCY	MO	DERAILMENT	0	0	\$ 56,800
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
53			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		CHROM	11 MPH
			EQUIPMENT DERAILED:	32 CAR(S)				
PROBABLE CAUSE: WHEEL LIFT ON PASSENGER CAR RNTX 2845 CAUSED BY EXCESSIVE BUFF (COMPRESSIVE) FORCES RESULTING FROM IMPROPER TRAIN HANDLING ON A 1.085 PERCENT DESCENDING GRADE AND COMPOUNDED BY THE PLACEMENT OF LIGHTWEIGHT PASSENGER EQUIPMENT AHEAD OF LOADED CARS								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	08/17/94	12:26 PM	MENTOR	OH	DERAILMENT	0	11	\$ 181,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
54			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		INSE6	34 MPH
			EQUIPMENT DERAILED:	9 CAR(S)				
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED: 500			
PROBABLE CAUSE: BROKEN L-1 WHEEL ON TANK CAR ACFX 72798 CAUSED BY RIM SEPARATION.								
BN	08/19/94	12:30 PM	ST. LOUIS	MO	DERAILMENT	0	0	\$ 55,600
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
55			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: FREIGHT TRAIN		44218	8 MPH
			EQUIPMENT DERAILED:	4 CAR(S)				
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED: 200			
PROBABLE CAUSE: WHEEL LIFT CAUSED BY HARMONIC ROCK, ATTRIBUTED TO THE WAVE ACTION OF A PARTIAL LOAD OF LIQUID LADING IN TANK CAR NATX 81058. THE TANK CAR WAS NOT EQUIPPED WITH BAFFLES TO BREAK OR BUFFER THE LIQUID AGITATION.								
SCAX UP	08/24/94	06:35 PM	RIVERSIDE	CA	HIGHWAY-RAIL CROSSING	4	1	\$ 5,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
56			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		404	64 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CSX	09/01/94	04:30 PM	WHITESIDE	TN	DERAILMENT	0	0	\$ 308,300
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		3			
57			METHOD OF OPERATION:		TRAFFIC CONTROL			
			EQUIPMENT DERAILED:		12 CAR(S)			
			MOVEMENTS INVOLVED:		FREIGHT TRAIN		S676	10 MPH
			PROBABLE CAUSE:		UNDETERMINED.			
ATSF	09/02/94	02:05 PM	MARTINEZ	CA	DERAILMENT	0	0	\$ 90,500
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
58			METHOD OF OPERATION:		AUTOMATIC BLOCK			
			EQUIPMENT DERAILED:		TRACK WARRANT CONTROL			
					6 CAR(S)			
			MOVEMENTS INVOLVED:		FREIGHT TRAIN		TRICH	28 MPH
			PROBABLE CAUSE:		INSUFFICIENT LUBRICATION IN THE CENTER PLATE OF FLAT CAR SOO 55193 CAUSED THE B-END TRUCK TO BECOME RIGID WHICH WIDENED THE GAGE, ALLOWING THE R-2 WHEEL TO DROP IN ON A 6-DEGREE, 21-MINUTE CURVE.			
BN	09/07/94	08:05 AM	GILLETTE	WY	OTHER	0	0	\$ 2,423,878
			TYPE OF TRACK:		YARD			
			CLASS OF TRACK:		1			
59			METHOD OF OPERATION:		YARD RULES			
			EQUIPMENT DERAILED:		6 LOCOMOTIVE(S)			
					35 CAR(S)			
					2CABOOSE(S)			
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED:	50		
			MOVEMENTS INVOLVED:		FREIGHT TRAIN		85DDO	23 MPH
					WORK TRAIN			0 MPH
					CUT OF CARS			0 MPH
			PROBABLE CAUSE:		THE INBOUND CREW OF BN TRAIN NO. 85DD0 DID NOT APPLY HAND BRAKES TO PROPERLY SECURE THEIR UNATTENDED TRAIN.			
			CONTRIBUTING FACTORS:		THE OUTBOUND CREW OF BN TRAIN NO. 85DD0 DID NOT PROPERLY SECURE THE TRAIN BEFORE THEY DETACHED THE CONTROLLING LOCOMOTIVE.			

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NJTR	09/14/94	07:43 AM	HOBOKEN	NJ	SIDE COLLISION	0	2	\$ 135,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
60			METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED:	LIGHT LOCO(S)	4202	7 MPH
						PASSENGER TRAIN	1052	9 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)				
				2 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF THE LIGHT LOCOMOTIVE CONSIST DID NOT OPERATE THEIR EQUIPMENT IN ACCORDANCE WITH THE INDICATION CONVEYED BY A STOP SIGNAL DURING A BACKING MOVE.

CONTRIBUTING FACTORS: THE CREWMEMBERS OF THE LIGHT LOCOMOTIVE CONSIST DID NOT ESTABLISH A CLEAR UNDERSTANDING OF THEIR INDIVIDUAL RESPONSIBILITIES TO CONTROL THE BACK-UP MOVEMENT.

IC	09/14/94	04:05 PM	MILESTON	MS	HIGHWAY-RAIL CROSSING	3	0	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
61			METHOD OF OPERATION:	TRACK PERMIT CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	UEVME	54 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

SP	09/23/94	09:00 AM	PALMDALE	CA	OTHER	0	2	\$ 200
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
62			METHOD OF OPERATION:	CARRIER RULES	MOVEMENTS INVOLVED:	MOW EQUIPMENT	3	30 MPH
			EQUIPMENT DERAILED:	NONE				

PROBABLE CAUSE: THE TRACK SUPERVISOR DID NOT OPERATE THE HI-RAIL VEHICLE AT A CONTROLLED SPEED AND WAS NOT ATTENTIVE TO CONDITIONS AHEAD.

CONTRIBUTING FACTORS: THE SIGNAL DEPARTMENT PERSONNEL WERE NOT WATCHFUL FOR THE ONCOMING HI RAIL VEHICLE.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	09/24/94	07:20 PM	BALTIMORE	OH	HIGHWAY-RAIL CROSSING	5	1	\$ 0
63								
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		3			
			METHOD OF OPERATION:		FORM D CONTROL SYSTEM		MOVEMENTS INVOLVED: FREIGHT TRAIN	XCG25 38 MPH
			EQUIPMENT DERAILED:		NONE			
			WARNING DEVICE:		PASSIVE			

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THE MOTOR VEHICLE OPERATOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT .05 PERCENT.

BN	10/02/94	11:25 PM	HARVARD	AR	HIGHWAY-RAIL CROSSING	3	0	\$ 0
64								
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
			METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN	83-1 60 MPH
			EQUIPMENT DERAILED:		NONE			
			WARNING DEVICE:		PASSIVE			

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THE MOTOR VEHICLE OPERATOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT 0.08 PERCENT.

BN	10/13/94	11:45 AM	CASPER	WY	DERAILMENT	0	0	\$ 661,500
65								
			TYPE OF TRACK:		MAIN			
			CLASS OF TRACK:		4			
			METHOD OF OPERATION:		AUTOMATIC BLOCK		MOVEMENTS INVOLVED: FREIGHT TRAIN	01122 50 MPH
			EQUIPMENT DERAILED:		TRACK WARRANT CONTROL			
					27 CAR(S)			

PROBABLE CAUSE: IMPROPERLY SECURED LADING (TELEPHONE POLES) FELL FROM FLAT CAR NO. BN 614819 AND BECAME WEDGED BETWEEN THE CAR AND THE GROUND CAUSING THE CAR TO LIFT OFF THE RAIL.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	10/17/94	04:35 PM	SUTHERLAND	NE	SIDE COLLISION	0	0	\$ 284,100
			TYPE OF TRACK:					
			CLASS OF TRACK:					
66			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN WORK TRAIN		CPPEC BLCYN	48 MPH 2 MPH
			EQUIPMENT DERAILED:	23 CAR(S)				

PROBABLE CAUSE: THE WORK TRAIN CONDUCTOR DID NOT DETERMINE THE LOCATION OF THE REAR OF HIS TRAIN BEFORE INITIATING A BACKING MOVEMENT.

CONTRIBUTING FACTORS: THE WORK TRAIN CREWMEMBERS DID NOT USE PROPER RADIO PROCEDURES DURING A BACKING MOVE.

ATSF UP	10/24/94	07:55 AM	KEENBROOK	CA	REAR-END COLLISION	0	1	\$ 144,200
			TYPE OF TRACK:					
			CLASS OF TRACK:					
67			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		LAMC1 LANPV	20 MPH 0 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S) 2 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF ATSF LAMC1 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A RESTRICTING SIGNAL.

CONTRIBUTING FACTORS: THE ATSF CREWMEMBERS STATED THEY HAD FALLEN ASLEEP PRIOR TO THE STOP SIGNAL.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	10/29/94	12:12 PM	PHILLIPS	CA	HIGHWAY-RAIL CROSSING	4	0	\$ 8,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
68			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		NPMIV	61 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE TRUCK DRIVER DID NOT YIELD THE RIGHT-OF WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

BN	11/04/94	01:45 AM	ELLSWORTH	NE	REAR-END COLLISION	0	2	\$ 165,250
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
69			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		145MR	12 MPH
					FREIGHT TRAIN		02AA	0 MPH
					FREIGHT TRAIN		164KK	23 MPH
			EQUIPMENT DERAILED:	13 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF BN 145MR DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A RESTRICTED PROCEED SIGNAL.

MNL	11/07/94	10:30 AM	PENN FIELD	PA	HIGHWAY-RAIL CROSSING	1	1	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
70			METHOD OF OPERATION:	FORM D CONTROL SYSTEM	MOVEMENTS INVOLVED: MOW EQUIPMENT		574	5 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				

PROBABLE CAUSE: NEITHER THE MOTOR VEHICLE OPERATOR NOR THE M OF W EQUIPMENT OPERATOR STOPPED BEFORE OCCUPYING THE HIGHWAY-RAIL GRADE CROSSING AS REQUIRED BY STATE TRAFFIC LAWS AND CARRIER OPERATING RULES.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/09/94	09:30 AM	ROY	UT	HIGHWAY-RAIL CROSSING	0	0	\$ 506,305
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
71			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		LADEZ	68 MPH
			EQUIPMENT DERAILED:	4 LOCOMOTIVE(S)				
				5 CAR(S)				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE OPERATOR OF A STALLED TRANSIT BUS COULD NOT MOVE IT CLEAR OF THE RIGHT-OF WAY BEFORE THE ARRIVAL OF THE FREIGHT TRAIN.								

CC BRC	11/10/94	04:20 AM	CHICAGO	IL	OTHER	0	3	\$ 6,429
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
72			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		BNP72	10 MPH
			EQUIPMENT DERAILED:	YARD LIMITS	LIGHT LOCO(S)			0 MPH
				NONE				

PROBABLE CAUSE: THE CREWMEMBER OF CC BNP72 DID NOT OPERATE THEIR TRAIN AT RESTRICTED SPEED WITHIN YARD LIMITS AND COULD NOT STOP BEFORE ENTERING A YARD TRACK THAT WAS OCCUPIED BY THE STANDING LIGHT LOCOMOTIVE CONSIST.

CONTRIBUTING FACTORS: THE IC TOWER OPERATOR MISALIGNED THE MAIN TRACK SWITCH FOR ENTRY INTO THE YARD PRIOR TO THE ARRIVAL OF CC TRAIN NO. BNP72.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	11/11/94	03:26 PM	LEBO	KS	SIDE COLLISION	0	2	\$ 104,760
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
73			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		KCCVX	50 MPH
					FREIGHT TRAIN		AMCKI	40 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				
				14 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF KCCV6 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATIONS CONVEYED BY 'APPROACH' AND 'STOP' SIGNALS.

BN UP	11/11/94	08:30 PM	FORT WORTH	TX	HIGHWAY-RAIL CROSSING	1	1	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
74			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		ODACI	19 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				

PROBABLE CAUSE: HIGHWAY-RAIL GRADE CROSSING ACTIVE WARNING DEVICES (FLASHERS AND GATES) FAILED TO ACTIVATE AS DESIGNED.

SP	11/22/94	02:45 AM	PANDO	CO	DERAILMENT	0	1	\$ 1,476,198
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
75			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		MNGVC	60 MPH
			EQUIPMENT DERAILED:	3 LOCOMOTIVE(S)				
				51 CAR(S)				

PROBABLE CAUSE: THE TRAIN AIR BRAKE SYSTEM WAS NOT SUFFICIENTLY CHARGED BEFORE THE TRAIN DESCENDED A 2.8 PERCENT GRADE.

CONTRIBUTING FACTORS: THE ENGINEER MISTAKENLY ASSUMED THAT THE END-OF-TRAIN BRAKE PIPE PRESSURE DISPLAYED IN THE CAB OF THE CONTROLLING LOCOMOTIVE WAS INACCURATE.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NS	11/23/94	10:20 PM	DRY RIDGE	KY	HIGHWAY-RAIL CROSSING	5	0	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
76			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		263	55 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE 16 YEAR-OLD MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A PRIVATE HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THERE WAS NO LICENSED DRIVER IN THE MOTOR VEHICLE AS REQUIRED BY STATE LAW.

CSX	11/26/94	11:20 AM	WILLOW VALLEY	IN	DERAILMENT	0	0	\$ 145,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
77			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		R374	8 MPH
			EQUIPMENT DERAILED:	18 CAR(S)				

PROBABLE CAUSE: IRREGULAR TRACK SURFACE. (3 1/8 INCHES DIFFERENCE IN CROSS LEVEL WITHIN 62 FEET ON A CURVE)

CSX	11/27/94	04:30 PM	BOSTIC	NC	DERAILMENT	0	0	\$ 392,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
78			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		Q691	50 MPH
			EQUIPMENT DERAILED:	21 CAR(S)				

PROBABLE CAUSE: BROKEN RAIL (VERTICAL SPLIT HEAD).

DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
12/04/94	06:30 PM	FORT MORGAN	CO	HIGHWAY-RAIL CROSSING	4	0	\$ 0
79		TYPE OF TRACK:	MAIN				
		CLASS OF TRACK:	4				
		METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		260KK	60 MPH
		EQUIPMENT DERAILED:	NONE				
		WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE 17 YEAR-OLD MOTOR VEHICLE OPERATOR DID NOT YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THERE WAS NO LICENSED DRIVER IN THE MOTOR VEHICLE AS REQUIRED BY STATE LAW.

IAIS CSX	12/08/94	06:15 AM	LASALLE	IL	DERAILMENT	0	0	\$ 350,000
80		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	3					
		METHOD OF OPERATION:	DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		402	30 MPH	
		EQUIPMENT DERAILED:	3 LOCOMOTIVE(S) 26 CAR(S)					

PROBABLE CAUSE: A BROKEN SWITCH POINT OPERATING ROD ALLOWED THE SWITCH POINTS TO GAP OPEN BENEATH THE MOVING TRAIN.

ATSF UP	12/12/94	05:21 AM	VICTORVILLE	CA	REAR-END COLLISION	0	2	\$ 4,017,609
81		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	2					
		METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		PBHLA CUWLA	34 MPH 0 MPH	
		EQUIPMENT DERAILED:	6 LOCOMOTIVE(S) 5 CAR(S)					

PROBABLE CAUSE: AN UNDETERMINED RESTRICTION IN THE TRAINLINE BETWEEN THE THIRD AND FOURTH ARTICULATED CARS RESULTED IN INSUFFICIENT BRAKING ABILITY.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WC	12/17/94	02:25 AM	NEENAH	WI	SIDE COLLISION	0	0	\$ 90,100
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
82			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	8658	12 MPH
						FREIGHT TRAIN	6581	10 MPH
			EQUIPMENT DERAILED:	2 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF WC SP8658 DID NOT STOP THEIR TRAIN AT A DARK SIGNAL (EXTINGUISHED LAMP) WHERE A FIXED COLOR LIGHT SIGNAL IS NORMALLY DISPLAYED.								
NS	12/30/94	03:00 PM	ATLANTA	GA	REAR-END COLLISION	0	0	\$ 229,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
83			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	119	0 MPH
						FREIGHT TRAIN	139	15 MPH
						FREIGHT TRAIN	199	21 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S) 13 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF NS TRAIN NO. 139 DID NOT OPERATE THEIR TRAIN IN ACCORDANCE WITH THE INDICATION CONVEYED BY A RESTRICTED PROCEED SIGNAL.								