



U.S. Department
of Transportation

**Federal Railroad
Administration**

Summary of Accidents Investigated By The Federal Railroad Administration

CALENDAR YEAR 1992

INTRODUCTION

The 1992 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 111 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 Accident/Incident 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
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Washington, D.C. 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1992, the Federal Railroad Administration investigated and determined the probable cause of 93 railroad accidents.

2. <u>Type of Accident</u>	<u>No.</u>	<u>Percent</u>
(a) Derailment	33	35.5
(b) Head-End Collision	2	2.1
(c) Rear-End Collision	8	8.5
(d) Side Collision	5	5.4
(e) Highway-Rail Crossing	33	35.5
(f) Railroad Grade Crossing	2	2.1
(g) Obstruction	2	2.1
(h) Fire or violent rupture	2	2.1
(i) Other	<u>6</u>	<u>6.7</u>
Total	93	100.0

3. <u>Casualties</u>	<u>No.</u>
(a) Killed	83
(b) Injured	<u>350</u>
Total	413

ACCIDENT SUMMARY BY TRACK CLASS, DAMAGES, AND TYPE

TRACK CLASS	ACCI DENTS	TOTAL DAMAGE	COLLI SIONS	DERAIL MENTS	OTHER ACCIDENTS	HIGHWAY-RAIL COLLISIONS
1	17	\$3,419.854	3	7	5	2
2	12	\$2,228,776	2	6	3	1
3	20	\$6,244,258	6	7	2	5
4	39	\$7,739,220	6	11	0	22
5	5	\$ 245,496	0	2	0	3
TOTAL	93	\$19,877,604	17	33	10	33

	COLLI SION	DERAIL MENT	OTHER	HIGHWAY-RAIL COLLISION	TOTAL ACCID
ALABAMA GREAT SOUTHERN RAILROAD	0	0	1	2	3
AMTRAK (NATIONAL RR PASSENGER CORP)	0	4	4	10	18
ATCHISON, TOPEKA AND SANTA FE	0	3	0	1	4
BANGOR AND AROOSTOOK RAILROAD	0	1	0	0	1
BURLINGTON NORTHERN	0	4	2	4	10
CHICAGO, CENTRAL & PACIFIC RR	0	0	0	1	1
CENTRAL OF GEORGIA RAILROAD	1	0	0	0	1
CONSOLIDATED RAIL CORPORATION	1	5	1	2	9
CSX TRANSPORTATION	2	6	1	2	11
DELAWARE AND HUDSON RAILROAD	0	0	0	1	1
GRAND TRUNK WESTERN RR	1	0	0	2	3
GATEWAY WESTERN RAILWAY	1	1	0	0	2
ILLINOIS CENTRAL RR	2	0	0	1	3
KANSAS CITY SOUTHERN RW	1	0	0	0	1
LONG ISLAND RAIL ROAD	0	1	0	0	1
METRO NORTH COMMUTER RR	2	1	0	0	3
MONTANA RAIL LINK	0	1	0	0	1
NASHVILLE & EASTERN RR	0	0	0	1	1
NORTHEAST ILLINOIS REGIONAL	0	0	0	1	1
NEW JERSEY TRANSIT RAIL OPERATIONS	0	0	1	0	1
NORFOLK AND WESTERN RAIL	1	2	0	1	4
SOUTHERN CALIFORNIA REGIONAL	0	0	0	1	1
ST. LAWRENCE AND ATLANTIC RR	0	1	0	0	1
SOO LINE RAILROAD	2	0	0	0	2
SOUTHERN RAILWAY COMPANY	1	0	0	2	3
SOUTHERN PACIFIC TRANS CO	2	3	2	5	12
ST. LOUIS SOUTHWESTERN	0	0	0	2	2
TERMINAL RAILROAD ASSOCIATION	0	1	0	0	1
UNION PACIFIC RAILROAD	2	3	0	4	9
TOTAL	19	37	12	43	111

REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....	DATE	PAGE	
1	ATSF	HEINDENHEIMER	48	01/07/92	1
2	BAR	GRINDSTONE	23	01/13/92	1
3	AGS	DRAGON	28	01/18/92	1
4	ATK IC	TANGIPAHOA	22	01/24/92	2
5	BN	BERWYN	31	01/26/92	2
6	AGS	SHOWS FIELD	28	02/11/92	2
7	SSW	HUTCHISON	20	02/14/92	3
8	GTW	RIGA	26	03/01/92	3
9	CSX	EVANSVILLE	18	03/01/92	3
10	KCS GWR	KANSAS CITY	29	03/07/92	4
11	SLR	FERDINAND	50	03/14/92	4
12	IC	FULTON	21	03/14/92	4
13	NW	EGGLESTON	51	03/22/92	5
14	CSX	SHARPSBURG	37	04/05/92	5
15	CR	PLAINWELL	26	04/07/92	5
16	CR	BARRYTOWN	36	04/10/92	6
17	NW	FERGUSON	29	04/12/92	6
18	MNCW	NEW YORK	36	04/23/92	6
19	UP	GAUSE	48	04/25/92	7
20	GWR TRRA	ST LOUIS	29	04/26/92	7
21	ATK CSX	NEWPORT NEWS	51	04/29/92	7
22	CR	INSTITUTE	54	05/05/92	8
23	SP	AVONDALE	22	05/05/92	8
24	MRL	EAST HELENA	30	05/05/92	8
25	UP	BEAGLE	20	05/11/93	9
26	ATK	BALTIMORE	24	05/13/92	9
27	CR	LIGONIER	18	05/16/92	10
28	NJTR	HOBOKEN	34	05/19/92	10
29	LI ATK	NEW YORK	36	05/27/92	10
30	ATK	NEW HAVEN	09	05/30/92	11
31	SP	ROSENBERG	48	06/01/92	11
32	ATK AGS	MCNEILL	28	06/04/92	11
33	DH	ROUSES POINT	36	06/05/92	12
34	SOU	SUGAR VALLEY	13	06/06/92	12
35	SP	HOUMA	22	06/08/92	12
36	IC	MONEY	28	06/11/92	13

REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....	DATE	PAGE
37	ATK ATSF	SEARS	20 06/29/92	13
38	BN	SUPERIOR	55 06/30/92	14
39	CSX	CARLYLE	17 07/01/92	14
40	ATK SP	EL PASO	48 07/04/92	14
41	CR	MT PLEASANT	10 07/12/92	15
42	CR ATK	READVILLE	25 07/13/92	15
43	MNCW	STAMFORD	09 07/24/92	15
44	UP	EVANSTON	56 07/26/92	16
45	ATK SP	CROWLEY	22 07/28/92	16
46	SP	WEST ANAHEIM	06 07/28/92	17
47	BN ATK	SEATTLE	53 07/29/92	17
48	ATK SOU	DURHAM	37 07/30/92	17
49	SSW	OPTIMA	40 08/01/92	18
50	CSX	EARLINGTON	21 08/02/92	18
51	CC	OMAHA	31 08/04/92	18
52	BN	LUPPER	30 08/09/92	19
53	UP	LYTLE	48 08/10/92	19
54	ATK CSX	NEWPORT NEWS	51 08/12/92	19
55	NW	FORT GAY	54 08/22/92	20
56	ATK	WALLINGFORD	09 08/23/92	20
57	SP	SHEPHERD	48 08/26/92	20
58	SP	NARROWS	49 08/27/92	21
59	UP	MT. VERNON	17 08/30/92	21
60	CSX	RICHMOND	51 08/30/92	21
61	ATSF	CADIZ	06 09/01/92	22
62	NW	COAL GROVE	39 09/02/92	22
63	ATSF	CADIZ	06 09/03/92	22
64	NIRC	ROUND LAKE	17 09/09/92	23
65	BN	ABERNATHY	48 09/11/92	23
66	MNCW	WATERBURY	09 09/14/92	23
67	GTW	LINDEN	26 09/21/92	24
68	UP	BEAGLE	20 09/27/92	24
69	BN	PERHAM	27 10/01/92	24
70	CGA CSX	TALLADEGA	01 10/03/92	25
71	GTW	GRANGER	18 10/13/92	25

REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....		DATE	PAGE
72	BN	LUCERNE	56	10/16/92	26
73	SOO	EAST RIO	55	10/28/92	26
74	UP	PORTLAND	41	11/01/92	26
75	CR	HILLIARD	39	11/03/92	27
76	SOU	TELFORD	47	11/04/92	27
77	CSX	CRESAPTOWN	24	11/22/92	27
78	ATK	SCAX SAN FERNANDO	06	11/25/92	28
79	BN	HYBART	01	12/01/92	28
80	CR	DUQUESNE	42	12/02/92	28
81	UP	POCATELLO	16	12/02/92	29
82	SOO	COTTER	19	12/06/92	29
83	SP	WILMINGTON	06	12/07/92	29
84	NERR	MOUNT JULIET	47	12/11/92	30
85	CSX	ROANOKE	01	12/11/92	30
86	CR	SALEM	39	12/12/92	30
87	UP	NAMPA	16	12/15/92	31
88	ATK	SP SWINGLE	06	12/16/92	31
89	ATK	SP MOORPARK	06	12/18/92	31
90	SP	RIDDEL	41	12/22/92	32
91	BN	OMAHA	31	12/26/92	32
92	BN	MARSHALL	27	12/28/92	32
93	ATK	CSX STEVENSVILLE	26	12/30/92	33

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	01/07/92	11:20 PM	HEIDENHEIMER	TX	DERAILMENT	1	2	\$ 6,700
	TYPE OF TRACK:		SIDING					
	CLASS OF TRACK:		1					
1	METHOD OF OPERATION:		CARRIER RULES		MOVEMENTS INVOLVED: FREIGHT TRAIN		SC601	05 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S) 1 CAR(S)					

PROBABLE CAUSE: THE CREWMEMBERS OF SC601 FAILED TO PLACE A HINGED BLOCK DERAIL IN THE NON-DERAILING POSITION BEFORE INITIATING A SHOVING MOVE.

BAR	01/13/92	01:25 PM	GRINDSTONE	ME	DERAILMENT	0	0	\$ 383,200
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
2	METHOD OF OPERATION:		VOICE CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		EXT86	35 MPH
	EQUIPMENT DERAILED:		2 LOCOMOTIVE(S) 9 CAR(S)					

PROBABLE CAUSE: TRACK MISALIGNMENT ON THE RAILROAD RESULTING FROM AN IMPACT WITH A BRIDGE OVER AN UNDERPASS BY A HIGHWAY VEHICLE PRIOR TO THE TRAIN'S ARRIVAL.

AGS	01/18/92	12:40 PM	DRAGON	MS	FIRE OR VIOLENT RUPTURE	0	2	\$ 119,250
	TYPE OF TRACK:		SIDING					
	CLASS OF TRACK:		2					
3	METHOD OF OPERATION:		CARRIER RULES		MOVEMENTS INVOLVED: FREIGHT TRAIN		X9018	1 MPH
	EQUIPMENT DERAILED:		3 CAR(S)					
	HAZARDOUS MATERIALS RELEASED: YES		NUMBER EVACUATED:		0			

PROBABLE CAUSE: TANK CAR SHELL FAILURE OF CONX 91010 WHEN THE TANK SEPARATED IN THE HEAT-AFFECTED ZONE OF THE WELD JOINING THE LARGE DIAMETER SECTION AND THE TRANSITION SHEET AT THE "A" END OF THE TANK.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK IC	01/24/92	04:11 PM	TANGIPAHOA	LA	HIGHWAY-RAIL CROSSING	3	1	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
4			METHOD OF OPERATION:	TRAFFIC CONTROL TRACK PERMIT CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		58	50 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
BN	01/26/92	02:35 PM	BERWYN	NE	HIGHWAY-RAIL CROSSING	3	1	\$ 450
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
5			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		9001	50 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
AGS	02/11/92	11:10 AM	SHOWS FIELD	MS	HIGHWAY-RAIL CROSSING	3	0	\$ 1,100
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
6			METHOD OF OPERATION:	TIMETABLE TRAIN ORDERS AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		221	55 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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
SSW	02/14/92	08:00 PM	HUTCHINSON	KS	HIGHWAY-RAIL CROSSING	3	0	\$ 700
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
7			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		8069E	55 MPH
				DIRECT TRAFFIC CONTROL				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
GTW	03/01/92	06:40 PM	RIGA	MI	HIGHWAY-RAIL CROSSING	3	0	\$ 137
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
8			METHOD OF OPERATION:	VOICE CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		473	46 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CSX	03/01/92	11:35 AM	EVANSVILLE	IN	DERAILMENT	0	0	\$ 278,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
9			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		56301	47 MPH
			EQUIPMENT DERAILED:	13 CAR(S)				
			HAZARDOUS MATERIALS RELEASED: YES	NUMBER EVACUATED: 45				
PROBABLE CAUSE: WHEEL LIFT ON THE HIGH SIDE OF A 3-DEGREE, 30-MINUTE CURVE CAUSED BY IRREGULAR CROSS LEVEL.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS GWWR	03/07/92	02:30 PM	KANSAS CITY	MO	RR GRADE CROSSING	0	0	\$ 939,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
10			METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED: FREIGHT TRAIN		714	9 MPH
					FREIGHT TRAIN		13227	26 MPH
			EQUIPMENT DERAILED:	4 LOCOMOTIVE(S)				
				6 CAR(S)				
PROBABLE CAUSE: INADEQUATE BRAKES ON GWWR 13227 CAUSED BY A CLOSED ANGLE COCK ON THE TRAILING END OF THE FIRST CAR.								
CONTRIBUTING FACTORS: INADEQUATE TEST PROCEDURES WHILE CONDUCTING THE INITIAL TERMINAL TRAIN AIR BRAKE TEST.								
SLR	03/14/92	09:40 AM	FERDINAND	VT	DERAILMENT	0	0	\$ 609,954
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
11			METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		9403E	35 MPH
			EQUIPMENT DERAILED:	22 CAR(S)				
PROBABLE CAUSE: BROKEN RAIL (TRANSVERSE FISSURE).								
IC	03/14/92	05:03 AM	FULTON	KY	HEAD-END COLLISION	1	1	\$ 293,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
12			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		101	22 MPH
				YARD LIMITS	FREIGHT TRAIN		MEES	9 MPH
			EQUIPMENT DERAILED:	3 LOCOMOTIVE(S)				
				3 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF IC 10-1 (SOUTH) AND IC MEES (NORTH) FAILED TO OPERATE IN ACCORDANCE WITH CARRIER OPERATING RULE 93 WHILE OCCUPYING THE MAIN TRACK WITHIN YARD LIMITS.								
CONTRIBUTING FACTORS: THE CREWMEMBERS OF IC MEES ACTED UPON RADIO COMMUNICATIONS RECEIVED FROM THE OPERATOR THAT WERE NOT FULLY UNDERSTOOD OR COMPLETED IN ACCORDANCE WITH FEDERAL RADIO STANDARDS AND PROCEDURES AND OCCUPIED THE MAIN TRACK WITHOUT PROPER AUTHORITY.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	03/22/92	09:55 AM	EGGLESTON	VA	REAR-END COLLISION	0	2	\$ 312,812
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
13			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		S16V4	1 MPH
					FREIGHT TRAIN		666V4	20 MPH
			EQUIPMENT DERAILED:	4 LOCOMOTIVE(S)				
				2 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF NW 666V4 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A RESTRICTED PROCEED SIGNAL INDICATION.

CONTRIBUTING FACTORS: THE ENGINEER OF 666V4 STATED THAT HE FELL ASLEEP. THE CONDUCTOR FAILED TO TAKE ANY ACTION TO CONTROL THE TRAIN.

CSX	04/05/92	09:55 PM	SHARPSBURG	NC	HIGHWAY-RAIL CROSSING	4	0	\$ 300
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
14			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		R1910	68 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CR	04/07/92	02:05 AM	PLAINWELL	MI	OTHER	0	3	\$ 333,910
			TYPE OF TRACK:	SIDING				
			CLASS OF TRACK:	1				
15			METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		WDGR1	0 MPH
					FREIGHT TRAIN		ELGR6	25 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				
				2 CAR(S)				
				1CABOOSE(S)				

PROBABLE CAUSE: THE SIDING SWITCH FROM THE MAIN TRACK WAS IMPROPERLY LINED BY AN UNKNOWN PERSON OR PERSONS AND CR ELGR6 WAS DIVERTED FROM THE MAIN TRACK INTO THE SIDING.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	04/10/92	04:17 AM	BARRYTOWN	NY	DERAILMENT	0	0	\$ 104,538
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
16	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		NHSE9	40 MPH
	EQUIPMENT DERAILED:		11 CAR(S)					

PROBABLE CAUSE: BURNED OFF L-2 PLAIN BEARING JOURNAL ON THE LEAD TRUCK OF HOPPER CAR CR 437557.

NW	04/12/92	03:25 PM	FERGUSON	MO	DERAILMENT	0	0	\$ 302,368
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
17	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		112	32 MPH
	EQUIPMENT DERAILED:		20 CAR(S)					

PROBABLE CAUSE: WHEEL LIFT ON THE HIGH SIDE OF A 1-DEGREE CURVE CAUSED BY IMPROPER TRAIN MAKE-UP AND AGGRAVATED BY MARGINAL TRAIN HANDLING PROCEDURES.

MNCW	04/23/92	07:56 AM	NEW YORK	NY	SIDE COLLISION	0	2	\$ 590,000
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		1					
18	METHOD OF OPERATION:		INTERLOCKING		MOVEMENTS INVOLVED: PASSENGER TRAIN		2637	0 MPH
			AUTO TRAIN CONTROL		PASSENGER TRAIN		1315	6 MPH
	EQUIPMENT DERAILED:		4 CAR(S)					

PROBABLE CAUSE: THE CONDUCTOR OF MNCW 1315 FAILED TO PROVIDE PROPER PROTECTION DURING A SHOVING MOVE.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	05/05/92	03:20 AM	INSTITUTE	WV	DERAILMENT	0	0	\$ 53,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
22			METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		WSIN3	8 MPH
			EQUIPMENT DERAILED:	7 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF WSIN3 MADE A REVERSE MOVE THROUGH A SWITCH THAT THEY HAD PREVIOUSLY RUN THROUGH.								
SP	05/05/92	10:35 PM	AVONDALE	LA	OTHER	0	1	\$ 161,000
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	2				
23			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: YARD/SWITCHING		701	20 MPH
					CUT OF CARS			0 MPH
			EQUIPMENT DERAILED:	14 CAR(S)				
PROBABLE CAUSE: INADEQUATE BRAKING SYSTEM FOR THE OPERATING CONDITIONS CAUSED BY THE FAILURE OF THE CREWMEMBERS TO COUPLE ANY AIR HOSES BETWEEN THE LOCOMOTIVE AND THE 54 CARS.								
MRL	05/05/92	05:19 PM	EAST HELENA	MT	DERAILMENT	0	0	\$ 100,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
24			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		MRLML	43 MPH
			EQUIPMENT DERAILED:	10 CAR(S)				
PROBABLE CAUSE: EXCESSIVE SIDE BEARING CLEARANCE AND TRUCK HUNTING CAUSED THE R-3 WHEEL ON SLSF 65695, THE 64TH CAR IN THE TRAIN, TO LIFT OFF THE RAIL.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	05/11/92	09:35 PM	BEAGLE	KS	HIGHWAY-RAIL CROSSING	3	1	\$ 2,500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
25			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		4280N	45 MPH
				AUTOMATIC BLOCK				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
ATK	05/13/92	03:55 PM	BALTIMORE	MD	FIRE OR VIOLENT RUPTURE	0	0	\$ 83,100
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
26			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: WORK TRAIN		EX769	20 MPH
				CAB SIGNAL				
				AUTO TRAIN CONTROL				
				AUTO TRAIN STOP				
			EQUIPMENT DERAILED:	NONE				
PROBABLE CAUSE: FAILURE TO TURN OFF THE PROPANE SUPPLY TO THE APPLIANCES IN THE CAMP TRAIN KITCHEN MODULE ON CAR NO. AMTK 15444.								
CONTRIBUTING FACTORS: CARRIER FAILED TO DESIGNATE RESPONSIBILITY FOR TURNING OFF THE PROPANE SUPPLY PRIOR TO TRAIN MOVEMENT.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	05/16/92	04:14 PM	LIGONIER	IN	DERAILMENT	0	0	\$ 294,200
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
27			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		PIEL6	48 MPH
			EQUIPMENT DERAILED:	21 CAR(S)				

PROBABLE CAUSE: EXCESSIVE BUFF (COMPRESSIVE) FORCES RESULTING FROM AN EMERGENCY BRAKE APPLICATION INITIATED BY THE ENGINEER.

CONTRIBUTING FACTORS: SIGNAL 1W UNEXPECTEDLY DISPLAYED A STOP INDICATION CAUSED BY A SIGNAL CODING EQUIPMENT MALFUNCTION.

NJTR	05/19/92	02:45 PM	HOBOKEN	NJ	OTHER	0	0	\$ 5,800
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
28			METHOD OF OPERATION:	CARRIER RULES	MOVEMENTS INVOLVED: PASSENGER TRAIN		RELY7	0 MPH
					PASSENGER TRAIN		RELY2	8 MPH
			EQUIPMENT DERAILED:	2 CAR(S)				

PROBABLE CAUSE: THE CONDUCTOR OF RELY2 FAILED TO PROVIDE PROPER PROTECTION DURING A SHOVING MOVE.

CONTRIBUTING FACTORS: THE RELY2 CONDUCTOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT 0.046 PERCENT.

LI ATK	05/27/92	10:20 AM	NEW YORK	NY	DERAILMENT	0	0	\$ 221,750
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
29			METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED: PASSENGER TRAIN		1699	08 MPH
				CAB SIGNAL				
				AUTO TRAIN STOP				
				AUTO TRAIN CONTROL				
			EQUIPMENT DERAILED:	2 CAR(S)				

PROBABLE CAUSE: UNDETERMINED.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	05/30/92	06:03 AM	NEW HAVEN	CT	OBSTRUCTION	0	2	\$ 155,336
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
30			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: LIGHT LOCO(S)			23 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				

PROBABLE CAUSE: THE LIGHT LOCOMOTIVE CONSIST STRUCK A BUMPING BLOCK AFTER THE INADVERTENT ENGAGEMENT OF THE THROTTLE BY AN AMTRAK MECHANICAL DEPARTMENT EMPLOYEE ON AMTRAK LOCOMOTIVE NO. ATK 951 WITH THE AIR BRAKE SYSTEM INOPERATIVE.

SP	06/01/92	04:10 PM	ROSENBERG	TX	DERAILMENT	0	0	\$ 200,000
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
31			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: FREIGHT TRAIN		10524	6 MPH
			EQUIPMENT DERAILED:	1 CAR(S)				
			HAZARDOUS MATERIALS RELEASED: YES	NUMBER EVACUATED: 400				

PROBABLE CAUSE: THE CREWMEMBERS OF SP 10524 FAILED TO PLACE A HINGED BLOCK DERAIL IN THE NON-DERAILING POSITION BEFORE INITIATING A SHOVING MOVE.

ATK AGS	06/04/92	08:40 AM	MCNEILL	MS	HIGHWAY-RAIL CROSSING	0	13	\$ 223,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
32			METHOD OF OPERATION:	TIMETABLE TRAIN ORDERS AUTOMATIC BLOCK	MOVEMENTS INVOLVED: PASSENGER TRAIN		20	75 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S) 9 CAR(S)				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE TRACTOR-TRAILER TRUCK'S LANDING GEAR BECAME LODGED ON THE ROAD SURFACE AND PREVENTED THE TRUCK FROM CLEARING THE CROSSING PRIOR TO THE ARRIVAL OF AMTRAK NO. 20.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DH	06/05/92	01:00 AM	ROUSES POINT	NY	HIGHWAY-RAIL CROSSING	3	0	\$ 500
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
33			METHOD OF OPERATION:	YARD LIMITS	MOVEMENTS INVOLVED: FREIGHT TRAIN		554	0 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO STOP SHORT OF A STANDING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

CONTRIBUTING FACTORS: THE MOTOR VEHICLE OPERATOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT 0.18 PERCENT.

SOU	06/06/92	02:30 AM	SUGAR VALLEY	GA	REAR-END COLLISION	0	1	\$ 26,300
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
34			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		140G1	0 MPH
					FREIGHT TRAIN		203G1	31 MPH
			EQUIPMENT DERAILED:	4 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF SOU 230G1 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A RESTRICTED SPEED SIGNAL INDICATION.

SP	06/08/92	06:10 PM	HOUMA	LA	HIGHWAY-RAIL CROSSING	3	3	\$ 200
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
35			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		AVCIM	58 MPH
				DIRECT TRAFFIC CONTROL				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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
IC	06/11/92	08:10 PM	MONEY	MS	HEAD-END COLLISION	0	2	\$ 612,816
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
36			METHOD OF OPERATION:	TRACK PERMIT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN	6137	25 MPH	
					FREIGHT TRAIN	3127	0 MPH	
			EQUIPMENT DERAILED:	7 LOCOMOTIVE(S)				
				21 CAR(S)				

PROBABLE CAUSE: IC 6137 FAILED TO STOP AT A MEETING POINT SWITCH BECAUSE THE BRAKES WERE INOPERATIVE. THE FRONT BRAKE PIPE ANGLE COCK ON THE LEAD CAR AND THE REAR BRAKE PIPE ANGLE COCK ON THE LOCOMOTIVE WERE CLOSED.

CONTRIBUTING FACTORS: THE CREWMEMBERS OF IC 6137 FAILED TO CONDUCT A REQUIRED INTERMEDIATE TERMINAL TRAIN AIR BRAKE TEST PRIOR TO DEPARTING GREENWOOD, MISSISSIPPI.

ATK	06/29/92	07:57 AM	SEARS	KS	HIGHWAY-RAIL CROSSING	2	0	\$ 0
ATSF			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
37			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN	ATK31	43 MPH	
				AUTOMATIC BLOCK				
				AUTO TRAIN STOP				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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
BN	06/30/92	02:40 AM	SUPERIOR	WI	DERAILMENT	0	106	\$ 524,300
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
38	METHOD OF OPERATION:		AUTOMATIC BLOCK		MOVEMENTS INVOLVED: FREIGHT TRAIN		01142	35 MPH
			TRACK WARRANT CONTROL					
	EQUIPMENT DERAILED:		14 CAR(S)					
	HAZARDOUS MATERIALS RELEASED: YES				NUMBER EVACUATED: 20,000			
PROBABLE CAUSE: BROKEN RAIL (DETAIL FRACTURE).								
CSX	07/01/92	02:54 AM	CARLYLE	IL	DERAILMENT	0	0	\$ 293,890
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
39	METHOD OF OPERATION:		DIRECT TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		R5533	46 MPH
			AUTOMATIC BLOCK					
	EQUIPMENT DERAILED:		16 CAR(S)					
PROBABLE CAUSE: EXCESSIVE TRAIN SPEED CAUSED BY THE FAILURE OF CREWMEMBERS ON CSX R5533 TO ADHERE TO A 25 MPH SPEED RESTRICTION ON MAINTENANCE OF WAY EQUIPMENT IN THE TRAIN.								
CONTRIBUTING FACTORS: CSX AND TRRA FAILED TO IMPLEMENT CONTROLS TO INSURE THAT RESTRICTIONS ON EQUIPMENT WERE IDENTIFIED AND DELIVERED TO OPERATING CREWS.								
ATK SP	07/04/92	05:55 PM	EL PASO	TX	HIGHWAY-RAIL CROSSING	4	0	\$ 2,000
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
40	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: PASSENGER TRAIN		222	68 MPH
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		PASSIVE					
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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
CR	07/12/92	01:55 AM	MT. PLEASANT	DE	HIGHWAY-RAIL CROSSING	3	0	\$ 50
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
41			METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		X123	39 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CR ATK	07/13/92	01:20	READVILLE	MA	DERAILMENT	0	0	\$ 404,500
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
42			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: FREIGHT TRAIN		WAM11	14 MPH
			EQUIPMENT DERAILED:	5 CAR(S)				
PROBABLE CAUSE: WHEEL LIFT CAUSED BY HARMONIC ROCK ATTRIBUTED TO THE EXCESSIVE SPEED OF CR WAM11 ON A 10 MPH (CLASS 1) TRACK.								
MNCW	07/24/92	08:08 PM	STAMFORD	CT	SIDE COLLISION	0	0	\$ 250,000
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
43			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: PASSENGER TRAIN		1173	5 MPH
					PASSENGER TRAIN		1787	0 MPH
			EQUIPMENT DERAILED:	NONE				
PROBABLE CAUSE: THE CONDUCTOR OF MNCW 1173 FAILED TO ASCERTAIN IF ADEQUATE CLEARANCE EXISTED BETWEEN STANDING EQUIPMENT AND THEIR TRAIN WHILE DIRECTING A SHOVING MOVE.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	07/26/92	04:17 PM	EVANSTON	WY	DERAILMENT	0	0	\$ 499,300
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
44			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		NPSC	28 MPH
				CAB SIGNAL				
				AUTO TRAIN STOP				
			EQUIPMENT DERAILED:	3 LOCOMOTIVE(S)				
				17 CAR(S)				

PROBABLE CAUSE: EXCESSIVE LATERAL FORCES GENERATED ON THE LOCOMOTIVE COUPLERS WHICH WERE NOT EQUIPPED WITH AN ALIGNMENT CONTROL FEATURE.

CONTRIBUTING FACTORS: THE CARRIER FAILED TO HAVE AN OPERATING RULE RESTRICTING THE PLACEMENT OF LOCOMOTIVES NOT EQUIPPED WITH AN ALIGNMENT CONTROL FEATURE IN A TRAIN.

ATK SP	07/28/92	04:48 PM	CROWLEY	LA	HIGHWAY-RAIL CROSSING	0	30	\$ 50,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
45			METHOD OF OPERATION:	DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		ATK-2	50 MPH
				AUTOMATIC BLOCK				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE TRACTOR-TRAILER OPERATOR FAILED TO 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
SP	07/28/92	11:35 AM	WEST ANAHEIM	CA	SIDE COLLISION	0	0	\$ 84,600
	TYPE OF TRACK:		SIDING					
	CLASS OF TRACK:		1					
46	METHOD OF OPERATION:		CARRIER RULES		MOVEMENTS INVOLVED: CUT OF CARS			UNK MPH
					FREIGHT TRAIN		ANWCL	0 MPH
	EQUIPMENT DERAILED:		4 CAR(S)					
	HAZARDOUS MATERIALS RELEASED: YES		NUMBER EVACUATED:		100			
PROBABLE CAUSE: THE CONDUCTOR FAILED TO PROPERLY SECURE A CUT OF CARS ALLOWING THEM TO ROLL FREE AND STRIKE SP ANWCL STANDING ON THE MAIN TRACK.								
BN ATK	07/29/92	10:20 PM	SEATTLE	WA	OTHER	0	4	\$ 12,000
	TYPE OF TRACK:		YARD					
	CLASS OF TRACK:		1					
47	METHOD OF OPERATION:		YARD RULES		MOVEMENTS INVOLVED: FREIGHT TRAIN		01020	0 MPH
					PASSENGER TRAIN		YT-2	8 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)					
			3 CAR(S)					
PROBABLE CAUSE: THE CREWMEMBERS OF ATK YT-2 FAILED TO PROVIDE PROPER PROTECTION DURING A SHOVING MOVE.								
ATK SOU	07/30/92	11:35 AM	DURHAM	NC	HIGHWAY-RAIL CROSSING	3	1	\$ 397
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
48	METHOD OF OPERATION:		TRACK WARRANT CONTROL		MOVEMENTS INVOLVED: PASSENGER TRAIN		ATK80	54 MPH
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		PASSIVE					
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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
SSW	08/01/92	09:05 AM	OPTIMA	OK	HIGHWAY-RAIL CROSSING	4	0	\$ 500
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
49	METHOD OF OPERATION:		DIRECT TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		ADHFT	52 MPH
			AUTOMATIC BLOCK					
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		PASSIVE					
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CSX	08/02/92	06:05 PM	EARLINGTON	KY	DERAILMENT	0	0	\$ 159,650
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
50	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		R120	34 MPH
	EQUIPMENT DERAILED:		9 CAR(S)					
PROBABLE CAUSE: SHIFTED LADING (ROLLS OF PAPER) IN ONE OR BOTH OF THE TRAILERS ON FLAT CAR TTMX 991236.								
CC	08/04/92	03:10 AM	OMAHA	NE	HIGHWAY-RAIL CROSSING	3	0	\$ 0
	TYPE OF TRACK:		INDUSTRY					
	CLASS OF TRACK:		1					
51	METHOD OF OPERATION:		CARRIER RULES		MOVEMENTS INVOLVED: FREIGHT TRAIN		1530	5 MPH
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		ACTIVE					
PROBABLE CAUSE: THE MOTOR VEHICAL OPERATOR FAILED TO STOP SHORT OF A PASSING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CONTRIBUTING FACTORS: THE MOTOR VEHICLE OPERATOR'S BLOOD ALCOHOL LEVEL WAS MEASURED AT 0.213 PERCENT AND CANNABINOIDS WERE DETECTED IN HIS URINE.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	08/09/92	12:20 PM	LUPFER	MT	DERAILMENT	0	0	\$ 156,000
	TYPE OF TRACK:		SIDING					
	CLASS OF TRACK:		2					
52	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		1A012	23 MPH
	EQUIPMENT DERAILED:		7 CAR(S)					
PROBABLE CAUSE: IMPROPER SIDE BEARING ADJUSTMENTS CAUSED BY DEFECTIVE COMPONENTS WITHIN THE "E" ARTICULATED CONNECTION OF SP 513423, A FIVE-PACK ARTICULATED CAR.								
UP	08/10/92	03:55 PM	LYTLE	TX	HIGHWAY-RAIL CROSSING	4	1	\$ 0
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
53	METHOD OF OPERATION:		TRACK WARRANT CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		LDFW	47 MPH
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		PASSIVE					
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
ATK CSX	08/12/92	09:05 PM	NEWPORT NEWS	VA	DERAILMENT	0	70	\$ 691,600
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
54	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: PASSENGER TRAIN		ATK95	79 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)					
PROBABLE CAUSE: VANDALS OPENED AN ELECTRICALLY-LOCKED FACING-POINT SWITCH IN FRONT OF THE TRAIN.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	08/22/92	01:05 PM	FORT GAY	WV	DERAILMENT	0	0	\$ 120,050
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
55			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		801U	20 MPH
			EQUIPMENT DERAILED:	3 LOCOMOTIVE(S)				
				2 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF NS 801U FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A STOP SIGNAL INDICATION.

ATK	08/23/92	10:10 AM	WALLINGFORD	CT	HIGHWAY-RAIL CROSSING	3	0	\$ 1,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
56			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		471	70 MPH
				CAB SIGNAL				
				AUTO TRAIN STOP				
				AUTO TRAIN CONTROL				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

SP	08/26/92	12:10 PM	SHEPHERD	TX	HIGHWAY-RAIL CROSSING	4	1	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
57			METHOD OF OPERATION:	DIRECT TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		HOCHF	35 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO 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	08/27/92	08:30 PM	NARROWS	UT	SIDE COLLISION	0	1	\$ 1,164,454
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
58	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		3146	32 MPH
					FREIGHT TRAIN		9200	25 MPH
	EQUIPMENT DERAILED:		4 LOCOMOTIVE(S) 13 CAR(S)					
PROBABLE CAUSE: THE SWITCH MACHINE LOCK ROD ARM CLIPS WERE IMPROPERLY INSTALLED AND THE POINT DETECTOR CONNECTING ROD WAS NOT EFFECTIVELY SECURED.								
UP	08/30/92	06:09 PM	MT. VERNON	IL	HIGHWAY-RAIL CROSSING	3	6	\$ 0
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
59	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		SMNLO	28 MPH
	EQUIPMENT DERAILED:		NONE					
	WARNING DEVICE:		PASSIVE					
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CSX	08/30/92	12:15 AM	RICHMOND	VA	DERAILMENT	0	0	\$ 545,600
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
60	METHOD OF OPERATION:		AUTOMATIC BLOCK		MOVEMENTS INVOLVED: FREIGHT TRAIN		70827	36 MPH
	EQUIPMENT DERAILED:		30 CAR(S)					
PROBABLE CAUSE: A SIX INCH BREAKOUT IN THE FLANGE OF THE R-2 WHEEL ON COVERED HOPPER CAR UMP 81278.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	09/01/92	08:30 AM	CADIZ	CA	DERAILMENT	0	0	\$ 128,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	5				
61			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		SLACH	43 MPH
				TRACK WARRANT CONTROL				
			EQUIPMENT DERAILED:	5 CAR(S)				
<p>PROBABLE CAUSE: A BOLT CONNECTING THE NUMBER ONE SWITCH ROD TO THE TRANSIT CLIP FAILED (90 PERCENT OLD BREAK), CAUSING THE LEFT-HAND SWITCH POINT TO GAP UNDER MOVEMENT OF THE TRAIN.</p>								
NW	09/02/92	11:15 AM	COAL GROVE	OH	HIGHWAY-RAIL CROSSING	0	1	\$ 15,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
62			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		129U2	40 MPH
				TIMETABLE				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	ACTIVE				
<p>PROBABLE CAUSE: FAILURE OF THE WARNING SYSTEM (LIGHTS AND GATES) TO OPERATE FOR AT LEAST 20 SECONDS PRIOR TO THE TRAIN'S ARRIVAL AT THE HIGHWAY-RAIL GRADE CROSSING.</p>								
ATSF	09/03/92	11:08 AM	CADIZ	CA	DERAILMENT	0	0	\$ 940
			TYPE OF TRACK:	SIDING				
			CLASS OF TRACK:	2				
63			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		SCHLA	8 MPH
				TRACK WARRANT CONTROL				
			EQUIPMENT DERAILED:	2 CAR(S)				
<p>PROBABLE CAUSE: DETERIORIATED CROSS TIES FAILED TO EFFECTIVELY RESTRAIN THE LATERAL FORCES IMPOSED BY THE ROLLING EQUIPMENT WHICH ALLOWED THE RAIL TO ROLL OUT.</p>								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NIRC	09/09/92	12:52 PM	ROUND LAKE	IL	HIGHWAY-RAIL CROSSING	0	6	\$ 53,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
64			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: PASSENGER TRAIN		2134	40 MPH
				TRACK WARRANT CONTROL				
			EQUIPMENT DERAILED:	1 CAR(S)				
			WARNING DEVICE:	ACTIVE				
PROBABLE CAUSE: THE TRACTOR-TRAILER OPERATOR FAILED TO STOP SHORT OF A HIGHWAY-RAIL GRADE CROSSING								
BN	09/11/92	02:55 PM	ABERNATHY	TX	HIGHWAY-RAIL CROSSING	3	1	\$ 0
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
65			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		93414	49 MPH
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
MNCW	09/14/92	09:03 PM	WATERBURY	CT	DERAILMENT	0	2	\$ 100,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
66			METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED: PASSENGER TRAIN		1974	20 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)				
				1 CAR(S)				
PROBABLE CAUSE: VANDALS OPENED A NON-ELECTRICALLY-LOCKED FACING-POINT SWITCH IN FRONT OF THE TRAIN.								

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

PROBABLE CAUSE: THE CREWMEMBERS OF UP CFGBT FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A RESTRICTED SPEED SIGNAL INDICATION.

CONTRIBUTING FACTORS: THE TRAILER HITCH LOCKING DEVICES WERE NOT APPLIED AT THE TIME THE TRAILER WAS LOADED ON THE FLAT CAR.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CGA CSX	10/03/92	12:22 AM	TALLADEGA	AL	RR GRADE CROSSING	0	5	\$ 214,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
70			METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED: FREIGHT TRAIN		198A5	16 MPH
					FREIGHT TRAIN		X1140	19 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				
				4 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF TRAIN CGA 198A5 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A STOP SIGNAL INDICATION.

CONTRIBUTING FACTORS: THE ROAD FOREMAN OF ENGINES, ASSIGNED TO PILOT TRAIN CGA 198A5, WAS NOT FAMILIAR WITH THE PHYSICAL CHARACTERISTICS OF THE RAILROAD LINE INVOLVED.

GTW	10/13/92	01:00 PM	GRANGER	IN	SIDE COLLISION	0	3	\$ 280,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
71			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		388	46 MPH
				TIMETABLE	FREIGHT TRAIN		510	3 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				
				10 CAR(S)				

PROBABLE CAUSE: THE CREWMEMBERS OF GTW 510 FAILED TO USE REQUIRED RADIO PROCEDURES AND SPECIFY THE DISTANCE OF THEIR WESTWARD BACKING MOVEMENT.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	10/16/92	08:22 AM	LUCERNE	WY	DERAILMENT	0	0	\$ 132,600
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	2				
72			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		01196	25 MPH
			EQUIPMENT DERAILED:	8 CAR(S)				
			HAZARDOUS MATERIALS RELEASED: YES	NUMBER EVACUATED: 40				
PROBABLE CAUSE: BROKEN RAIL (TRANSVERSE FISSURE).								
SOO	10/28/92	12:15 PM	EAST RIO	WI	REAR-END COLLISION	0	0	\$ 111,503
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
73			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN		6001	0 MPH
				TRACK WARRANT CONTROL	FREIGHT TRAIN		6019	34 MPH
			EQUIPMENT DERAILED:	2 LOCOMOTIVE(S)				
				2 CAR(S)				
				1CABOOSE(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF SOO 6001 FAILED TO PROVIDE REQUIRED FLAGGING AT THE REAR OF THEIR TRAIN PROTECTING AGAINST THE APPROACHING MOVEMENT OF TRAIN SOO 6019.								
UP	11/01/92	10:55 AM	PORTLAND	OR	REAR-END COLLISION	0	1	\$ 59,989
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
74			METHOD OF OPERATION:	TRACK WARRANT CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		SKCSE	0 MPH
					FREIGHT TRAIN		NPSEV	20 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)				
				15 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF UP NPSEV FAILED TO OPERATE THE TRAIN AT RESTRICTED SPEED WHICH REQUIRED BEING ABLE TO STOP WITHIN ONE-HALF THE RANGE OF VISION.								

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR, FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN, AT A HIGHWAY-RAIL GRADE CROSSING.

PROBABLE CAUSE: THE CREWMEMBERS OF CSX V811 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A RESTRICTED SPEED SIGNAL INDICATION.

CONTRIBUTING FACTORS: THE CREWMEMBERS OF CSX V811 RELIED ON INCORRECT RADIO TRANSMISSIONS FROM THE TOWER OPERATORS, WITH RESPECT TO THE LOCATION OF A STANDING TRAIN, INSTEAD OF THE INDICATION OF A FIXED SIGNAL.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK SCAX	11/25/92	06:50 AM	SAN FERNANDO	CA	HIGHWAY-RAIL CROSSING	1	13	\$ 407,000
		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	4					
78		METHOD OF OPERATION:	AUTOMATIC BLOCK		MOVEMENTS INVOLVED: PASSENGER TRAIN		202	78 MPH
			DIRECT TRAFFIC CONTROL					
		EQUIPMENT DERAILED:	1 CAR(S)					
		WARNING DEVICE:	NONE					
PROBABLE CAUSE: DUMP TRUCK OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A PRIVATE HIGHWAY-RAIL GRADE CROSSING.								
BN	12/01/92	10:25 AM	HYBART	AL	HIGHWAY-RAIL CROSSING	0	0	\$ 252,630
		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	3					
79		METHOD OF OPERATION:	TRACK WARRANT CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		76630	35 MPH
		EQUIPMENT DERAILED:	3 LOCOMOTIVE(S) 8 CAR(S)					
		HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED:	50			
		WARNING DEVICE:	PASSIVE					
PROBABLE CAUSE: THE TRACTOR-TRAILER OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								
CR	12/02/92	06:40 PM	DUQUESNE	PA	REAR-END COLLISION	0	2	\$ 140,500
		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	3					
80		METHOD OF OPERATION:	AUTOMATIC BLOCK		MOVEMENTS INVOLVED: FREIGHT TRAIN		WITH5	40 MPH
			TIMETABLE		FREIGHT TRAIN		UAM34	0 MPH
		EQUIPMENT DERAILED:	1 LOCOMOTIVE(S) 2 CAR(S)					
PROBABLE CAUSE: THE CREWMEMBERS OF CR WITH5 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH A RESTRICTED SPEED SIGNAL INDICATIONS.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	12/02/92	11:23 PM	POCATELLO	ID	DERAILMENT	0	0	\$ 116,996
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		5					
81	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		HKNP1	50 MPH
	EQUIPMENT DERAILED:		2 LOCOMOTIVE(S) 35 CAR(S)					

PROBABLE CAUSE: UNDETERMINED.

SOO	12/06/92	06:45 AM	COTTER	IA	REAR-END COLLISION	0	2	\$ 17,651
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
82	METHOD OF OPERATION:		TRACK WARRANT CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		403-5	12 MPH
					FREIGHT TRAIN		220-5	0 MPH
	EQUIPMENT DERAILED:		5 CAR(S) 1CABOOSE(S)					

PROBABLE CAUSE: THE CREWMEMBERS OF SOO 220-5 FAILED TO ACCURATELY REPORT THE CORRECT LOCATION OF THE REAR OF THEIR TRAIN TO THE TRAIN DISPATCHER AND THE TRAIN DISPATCHER AUTHORIZED SOO 403-5 TO OCCUPY THE SAME TRACK WARRANT LIMITS.

CONTRIBUTING FACTORS: LACK OF COMPLIANCE WITH RADIO STANDARDS AND PROCEDURES BY THE TRAIN DISPATCHER AND THE CREW ON SOO 220-5, AND THE USE OF AN UNAPPROVED REAR-END-MARKING DEVICE ON CABOOSE SOO 76.

SP	12/07/92	12:40 PM	WILMINGTON	CA	DERAILMENT	0	0	\$ 48
	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		1					
83	METHOD OF OPERATION:		YARD LIMITS		MOVEMENTS INVOLVED: FREIGHT TRAIN		1G412	5 MPH
	EQUIPMENT DERAILED:		4 CAR(S)					

PROBABLE CAUSE: THE CREWMEMBERS OF TRAIN SP 1G412 FAILED TO OPERATED THE TRAIN IN ACCORDANCE WITH SP TIMETBLE SPECIAL INSTRUCTION 101(D) WHICH REQUIRED MOVING AT A SPEED WHICH WOULD PERMIT STOPPING SHORT OF A WASHOUT.

CONTRIBUTING FACTORS: THE TRACK HAD NOT BEEN INSPECTED FOLLOWING HEAVY RAINS AND PRIOR NOTIFICATION OF A WASHOUT OF THE TRACK ROADBED.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NERR	12/11/92	01:00 AM	MOUNT JULIET	TN	DERAILMENT	0	0	\$ 68,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	1				
84			METHOD OF OPERATION:	ABSOLUTE BLOCK SYSTEM	MOVEMENTS INVOLVED: FREIGHT TRAIN		01	10 MPH
			EQUIPMENT DERAILED:	5 CAR(S)				
			HAZARDOUS MATERIALS RELEASED:	YES	NUMBER EVACUATED:	25		
PROBABLE CAUSE: WHEEL LIFT CAUSED BY EXCESSIVE DIFFERENCE IN CROSS LEVEL (3 INCHES) WITHIN 62 FEET IN A CURVE.								
CSX	12/11/92	01:15 PM	ROANOKE	AL	OTHER	0	2	\$ 192,700
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
85			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		64909	2 MPH
					CUT OF CARS			UNK MPH
			EQUIPMENT DERAILED:	2 CAR(S)				
PROBABLE CAUSE: THE CREWMEMBERS OF CSX A71411 FAILED TO PROPERLY SECURE A CUT OF TWO CARS ON A DESCENDING GRADE WHICH ALLOWED THEM TO ROLL FREE AND STRIKE THE CONSIST OF TRAIN CSX 64909.								
CR	12/12/92	10:15 PM	SALEM	OH	DERAILMENT	0	0	\$ 549,179
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
86			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		ENEL1	42 MPH
					FREIGHT TRAIN		COPI2	35 MPH
			EQUIPMENT DERAILED:	24 CAR(S)				
PROBABLE CAUSE: BROKEN L-3 WHEEL ON TANK CAR UTLX 643357 (FATIGUE CRACK) IN TRAIN ENEL1.								

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	12/15/92	04:35 PM	NAMPA	ID	DERAILMENT	0	0	\$ 211,700
			TYPE OF TRACK:	YARD				
			CLASS OF TRACK:	1				
87			METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED: FREIGHT TRAIN		XNPNA	8 MPH
					CUT OF CARS			0 MPH
					FREIGHT TRAIN		APSE7	38 MPH
			EQUIPMENT DERAILED:	23 CAR(S)				
			HAZARDOUS MATERIALS RELEASED: YES		NUMBER EVACUATED: 350			
PROBABLE CAUSE: IMPROPER TRAIN MAKE-UP. WHEEL LIFT CAUSED BY EXCESSIVE BUFF (COMPRESSIVE) FORCES GENERATED BY DISPROPORTIONATE WEIGHT DISTRIBUTION AT THE REAR OF TRAIN XNPNA ON A 0.48 PERCENT DESCENDING GRADE IN THE CURVED LEAD OF A TURNOUT.								
ATK SP	12/16/92	06:13 PM	SWINGLE	CA	OBSTRUCTION	0	1	\$ 350,300
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	3				
88			METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		725	60 MPH
			EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)				
				4 CAR(S)				
PROBABLE CAUSE: A MOTOR VEHICLE BECAME DISABLED ON THE TRACK STRUCTURE MOMENTS BEFORE THE TRAIN'S ARRIVAL.								
ATK SP	12/18/92	04:36 PM	MOORPARK	CA	HIGHWAY-RAIL CROSSING	3	1	\$ 2,000
			TYPE OF TRACK:	MAIN				
			CLASS OF TRACK:	4				
89			METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED: PASSENGER TRAIN		784	59 MPH
				DIRECT TRAFFIC CONTROL				
			EQUIPMENT DERAILED:	NONE				
			WARNING DEVICE:	PASSIVE				
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING PASSENGER TRAIN AT A HIGHWAY-RAIL GRADE CROSSING.								

PROBABLE CAUSE: A ROCK SLIDE FOULED THE MAIN TRACK PRIOR TO THE TRAIN'S ARRIVAL.

PROBABLE CAUSE: THE BN MECHANICAL DEPARTMENT TRUCK DRIVER FAILED TO YIELD THE RIGHT-OF-WAY TO AN ONCOMING FREIGHT TRAIN AT A PRIVATE HIGHWAY-RAIL GRADE CROSSING.

PROBABLE CAUSE: FAILURE OF A PREVIOUS TRAIN CREW TO PROPERLY LINE AND LOCK A MAIN TRACK SWITCH FOR MAIN TRACK MOVEMENT.

RR CODE	DATE	TIME	CITY/STATION	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK CSX	12/30/92	08:39 PM	STEVENSVILLE	MI	DERAILMENT	0	20	\$ 79,550
		TYPE OF TRACK:	MAIN					
		CLASS OF TRACK:	4					
93		METHOD OF OPERATION:	TRAFFIC CONTROL		MOVEMENTS INVOLVED: PASSENGER TRAIN		P370	63 MPH
		EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)					
			4 CAR(S)					

PROBABLE CAUSE: TRACK MISALIGNMENT OF 24 INCHES FROM UNIFORMITY.

CONTRIBUTING FACTORS: FAILURE OF THE CREWMEMBERS OF PREVIOUS CSX FREIGHT TRAIN S203 TO PROPERLY INSPECT THE TRAIN AFTER AN EMERGENCY BRAKE APPLICATION. THE EMERGENCY BRAKE APPLICATION RESULTED IN EXCESSIVE LATERAL FORCES WHICH CAUSED THE MISALIGNMENT.

