

Summary of Accidents Investigated by the Federal Railroad Administration Calendar Year 1983

May 1985



U.S. Department
of Transportation
**Federal Railroad
Administration**

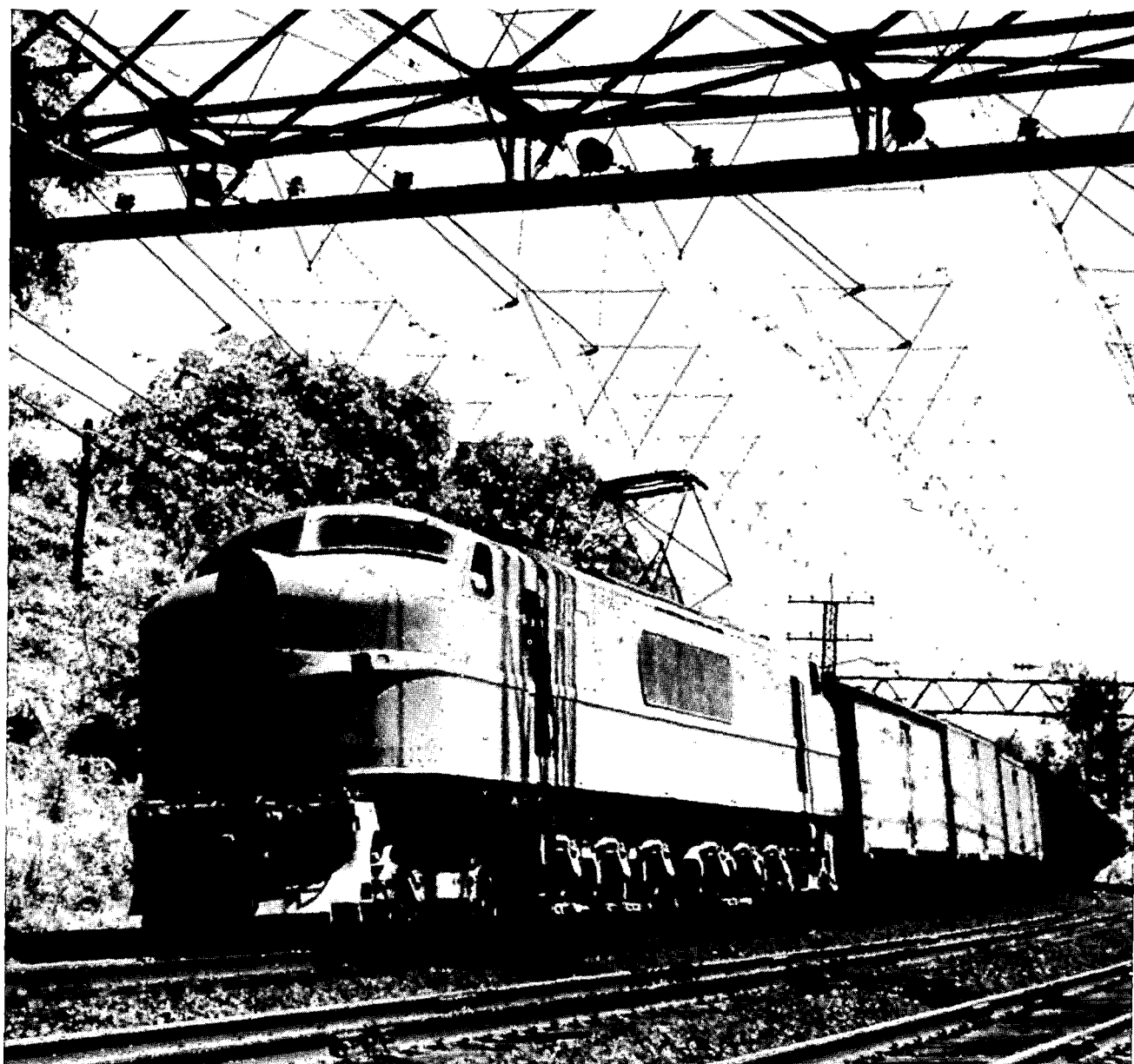


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INTRODUCTION

The 1983 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 113 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 type and class of track
- 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
400 Seventh Street, S.W.
Washington, D.C. 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1983, The Federal Railroad Administration investigated and determined the probable cause of 113 railroad accidents.

<u>2. Type of Accident</u>	<u>No.</u>	<u>Percent</u>
(a) Derailment	61	54.0
(b) Head-End Collision	10	8.8
(c) Rear-End Collision	13	11.5
(d) Side Collision	3	2.6
(e) Raking	1	0.9
(f) Broken Train Collision	2	1.8
(g) Rail-Highway Crossing	16	14.2
(h) RR Grade Crossing	1	0.9
(i) Obstruction	5	4.4
(j) Other	<u>1</u>	<u>0.9</u>
Total	113	100.0

3. Accident Cause

(a) Track Roadbed and Structure	24	21.2
(b) Mechanical and Electrical Failure	20	17.7
(c) Train Operation-Human Factor	43	38.2
(d) Miscellaneous	<u>26</u>	<u>23.0</u>
Total	113	100.0

4. Casualties

	<u>No.</u>
(a) Killed	36
(b) Injured	<u>544</u>
Total	580

ACCIDENT SUMMARY BY TRACK CLASS,

TRACK CLASS	ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS
1	11	\$1,165,800	\$1,080,200	\$85,600	5
2	26	\$5,333,189	\$4,809,185	\$524,004	6
3	27	\$9,849,260	\$8,873,970	\$975,290	8
4	41	\$29,080,802	\$26,530,231	\$2,550,571	9
5	7	\$1,543,294	\$1,250,674	\$292,620	1
6	1	\$0	\$0	\$0	1
TOTAL	113	\$46,972,345	\$42,544,260	\$4,428,085	30

DAMAGES, TYPE AND CAUSE

DERAIL MENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
6	---	3	1	6	1
16	4	3	4	12	7
13	6	4	4	12	7
22	10	12	8	8	13
4	2	2	2	1	2
---	---	---	---	1	---
61	22	24	19	40	30

INVOLVEMENT OF TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE

COLLISIONS.....			DERAILMENTS.....			OTHER.....				TOTAL ACCID ENTS
DEFECTS.....			DEFECTS.....			DEFECTS.....				
	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	
ALASKA RAILROAD	---	---	---	---	1	1	1	---	---	---	---	---	3
AMTRAK (NATIONAL RAILROAD PASSENGER CORP.)	3	---	---	1	---	2	4	1	---	---	1	4	16
ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPAN	3	---	1	---	2	3	2	1	1	---	---	1	14
BOSTON AND MAINE CORPORATION	---	---	---	---	1	---	---	1	---	---	---	---	2
BURLINGTON NORTHERN	4	---	---	---	2	2	5	1	---	---	---	2	16
BALTIMORE AND OHIO RAILROAD COMPANY	---	---	---	---	---	---	---	1	---	---	---	---	1
CHICAGO AND NORTHWESTERN TRANSPORTATION COMP	---	---	---	---	1	1	---	---	---	---	---	1	3
CHESAPEAKE AND OHIO RAILWAY COMPANY	---	---	---	---	---	---	---	---	---	---	---	1	1
CONSOLIDATED RAIL CORPORATION	5	---	---	---	---	2	1	1	---	---	---	3	12
CHICAGO SOUTH SHORE AND SOUTH BEND RAILROAD	---	---	---	---	---	---	---	---	---	---	---	1	1
DEPARTMENT OF TRANSPORTATION	---	---	---	---	---	---	---	---	---	---	---	1	1
DENVER AND RIO GRANDE WESTERN RAILROAD COMPA	1	---	---	---	1	---	---	---	---	1	---	---	3
ILLINOIS CENTRAL GULF RAILROAD	---	---	---	---	---	1	2	1	---	---	---	1	5
KANSAS CITY SOUTHERN RAILWAY COMPANY	3	---	---	---	---	---	---	1	---	---	---	---	4
MISSOURI-KANSAS-TEXAS RAILROAD COMPANY	1	---	1	---	---	---	---	---	---	---	---	---	2
METRO NORTH COMMUTER RAILROAD COMPANY	---	---	---	---	---	1	---	---	---	---	---	1	2
MISSOURI PACIFIC RAILROAD COMPANY	2	---	---	---	---	2	2	1	---	---	---	---	7
N. J. DEPT. OF TRANSPORTATION	1	---	---	---	---	---	---	---	---	---	---	---	1
NORFOLK AND WESTERN RAILWAY COMPANY	1	---	---	---	---	---	---	---	---	---	---	2	3
SEABOARD SYSTEM RAILROAD	4	---	---	---	1	---	2	---	---	---	---	5	12
RRD SEPT:	1	---	---	---	---	---	---	---	---	---	---	---	1
SOO LINE RAILROAD	---	---	---	---	---	1	---	---	---	---	---	---	1
SOUTHERN RAILWAY COMPANY	---	---	---	---	---	---	---	---	---	---	1	---	1
SOUTHERN PACIFIC TRANSPORTATION COMPANY	4	---	---	---	1	2	5	1	---	---	---	1	14
ST. LOUIS SOUTHWESTERN RAILWAY COMPANY	---	---	---	---	---	---	---	1	---	---	---	---	1
UNION PACIFIC RAILROAD	1	---	---	---	1	1	---	---	---	---	---	---	3
WESTERN PACIFIC RAILROAD COMPANY	---	---	---	1	---	1	---	---	---	---	---	---	2
	34	---	2	2	11	20	24	11	1	1	2	24	132

REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....		DATE
1	CR	WEST CONWAY	PA	01/06/83
2	SBD	MAYSVILLE	NC	01/14/83
3	MP/ ATK	ST. LOUIS	MO	01/14/83
4	UP	STAUFFER	WY	01/22/83
5	KCS	CLEVELAND	MO	01/28/83
6	UP	THE DALLES	OR	01/28/83
7	WP/ ATK	REDHOUSE	NV	01/30/83
8	CR	DELTA	OH	02/12/83
9	CR	COLUMBIA	PA	02/14/83
10	ATSF	CAJON	CA	03/03/83
11	ICG	DOYLINE	LA	03/13/83
12	MP	HARRISON	TX	03/14/83
13	MKT	TEMPLE	TX	03/17/83
14	ATSF	RIO VISTA	TX	03/19/83
15	NW	PIKETON	OH	03/21/83
16	ICG	FORT KNOX	KY	03/22/83
17	ATSF	ALVA	OK	03/23/83
18	ATSF	LOS ANGELES	CA	03/24/83
19	CR	PHILADELPHIA	PA	03/24/83
20	MP	CHIVINGTON	CO	03/27/83
21	ATSF	DOUBLEA	AZ	03/30/83
22	SP	ANTELOPE	CA	03/31/83
23	DRGW	DENVER	CO	04/03/83
24	SOU/ ATK	HAMNER	VA	04/03/83
25	CR	COCHRANTON	PA	04/05/83
26	WP/ SP	PARDO	NV	04/09/83
27	BN	PACIFIC JUNCTION	IA	04/13/83
28	BN	CICERO	IL	04/19/83
29	MP	KANSAS CITY	MO	04/19/83
30	ICG	SHIPMAN	IL	04/21/83
31	ATSF	FISHEL	CA	04/21/83
32	ATK	CLINTON	CT	04/28/83
33	SBD	DONELSON	TN	04/30/83
34	BN	CASEY	OK	05/06/83
35	SBD	WOODLAND	GA	05/07/83
36	SP/ ATK	DORRIS	CA	05/11/83
37	SBD	WINTER PARK	FL	05/13/83
38	MILW	ELGIN	IL	05/17/83
39	SBD	BAINBRIDGE	GA	05/18/83
40	ATK	PENNSYLVANIA STATION	NY	05/24/83
41	BN	MALIN	OR	05/26/83
42	DRGW/ ATSF/ BN	PALMER LAKE	CO	05/27/83

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REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....		DATE
43	BN	HOPE	ID	06/07/83
44	CR	DAM	NY	06/15/83
45	DRGW	GRAND JUNCTION	CO	06/16/83
46	ATK/ NJT	PENNSYLVANIA STATION	NY	06/24/83
47	CR	SELMA	IN	06/29/83
48	SBD	MAYSVILLE	NC	07/07/83
49	BN	DESCHUTES	OR	07/08/83
50	SSW	TYLER	TX	07/08/83
51	CNW	PROVO JUNCTION	IL	07/13/83
52	BN/ ATK	NISQUALLY	WA	07/14/83
53	SP/ ATSF	CLIFF	CA	07/16/83
54	ARR	GARNER	AK	07/18/83
55	BN	CRYSTAL CITY	MO	07/18/83
56	CR	BERGEN	NY	07/18/83
57	CNW	WADSWORTH	IL	07/21/83
58	SP	WATTS	CA	07/21/83
59	ICG/ ATK	WILMINGTON	IL	07/28/83
60	ARR	DOME	AK	07/29/83
61	SP	FRANCIS	TX	07/30/83
62	BM	GRANITEVILLE	MA	08/03/83
63	SBD	LONE STAR	SC	08/04/83
64	SP	MOORPARK	CA	08/06/83
65	CNW	DEKALB	IL	08/10/83
66	SP	ENGLEWOOD YARD	TX	08/11/83
67	SBD	CHARLOTTE	NC	08/12/83
68	BN	SHELBY	MO	08/13/83
69	ARR	WHITNEY	AK	08/21/83
70	ATSF	COMANCHE	TX	08/23/83
71	SBD/ ATK	ROWLAND	NC	08/25/83
72	ATSF	FULLERVILLE	TX	08/31/83
73	BO	MURDOCK	IL	09/02/83
74	BN	SAUNDERS	WI	09/11/83
75	SP	WEST PARK	TX	09/12/83
76	ICG	GREENDALE	IL	09/13/83
77	SBD	SULLIVAN	IN	09/14/83
78	CO/ SBD/ DOT	LEVISA	KY	09/15/83
79	BN/ ATK	FOXBORO	MN	09/18/83
80	BN	ST. MICHAEL	NE	09/19/83
81	MP	MALVERN	AR	09/26/83
82	S00	SPENCER	WI	09/29/83

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REPORT NUMBER	RAILROAD CODEACCIDENT LOCATION....	STATE	DATE
83	SP/ ATSF	TEHACHAPI	CA	10/10/83
84	KCS	VIVIAN	LA	10/17/83
85	ATK	LEVITTOWN	PA	10/22/83
86	MNCW	NEW YORK	NY	10/22/83
87	BN	DALHART	TX	10/22/83
88	BN	HEMINGFORD	NE	10/24/83
89	ATSF	RICARDO	NM	10/27/83
90	BM	STOUGHTON	MA	10/31/83
91	CR/ SEPT	LANSDALE	PA	11/03/83
92	NW/ CR	BENSON	OH	11/08/83
93	NW	RICHLANDS	VA	11/09/83
94	ATSF	GLORIETA	NM	11/09/83
95	SP/ ATK	HOUSTON	TX	11/09/83
96	CR	MILLBURY	OH	11/11/83
97	CSS	WILSON	IN	11/11/83
98	MP/ ATK	WOODLAWN	TX	11/12/83
99	BN	ASHTOLA	TX	11/13/83
100	KCS	HAMMOCK	LA	11/16/83
101	ATSF	SCHOOLE	NM	11/17/83
102	UP	CRUCERO	CA	11/17/83
103	SP	ELDON	TX	11/19/83
104	MKT/ MP	WAGONER	OK	11/19/83
105	KCS	NEAL SPRINGS	AR	11/27/83
106	SP	MIDLAND	LA	11/28/83
107	SBD/ ATK	SPARR	FL	11/30/83
108	CR	LANCASTER	NY	11/30/83
109	SP/ ATK	EL PASO	TX	12/05/83
110	MNCW	WOODLAWN	NY	12/09/83
111	ICG	TUSCOLA	IL	12/14/83
112	MP	HOLLYWOOD JCT	LA	12/17/83
113	BN	WILLBRIDGE	OR	12/31/83

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/06/83	9:55 AM	WEST CONWAY	PA	HEAD-END COLLISION	0	3	\$132,450
1	TYPE OF TRACK:		YARD					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		TIME TABLE	MOVEMENTS INVOLVED:		FREIGHT TRAIN	X3143	7 MPH
	EQUIPMENT DERAILED:		TRAIN ORDERS			LIGHT LOCO(S)	X6943	8
			1 LOCOMOTIVE(S)					
			2 CAR(S)					
PROBABLE CAUSE: WITHOUT AUTHORITY, EXTRA 6943 OCCUPIED YARD TRACK NO. 209 AND STRUCK EXTRA 3143 EAST.								
SBD	01/14/83	3:20 PM	MAYSVILLE	NC	RAIL-HWY CROSSING	0	45	\$25
2	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		TIME TABLE	MOVEMENTS INVOLVED:		FREIGHT TRAIN	422	20 MPH
	EQUIPMENT DERAILED:		TRAIN ORDERS					
			NONE					
PROBABLE CAUSE: THE SCHOOL BUS OPERATOR STOPPED TOO CLOSE TO THE RAILROAD TRACK. WHILE ATTEMPTING TO BACK UP THE SCHOOL BUS, THE OPERATOR PLACED THE TRANSMISSION IN THIRD GEAR INSTEAD OF REVERSE.								
MP/ ATK	01/14/83	11:36 PM	ST. LOUIS	MO	DERAILMENT	0	0	\$34,000
3	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		AUTOMATIC BLOCK	MOVEMENTS INVOLVED:		PASSENGER TRAIN	21	23 MPH
	EQUIPMENT DERAILED:		TIME TABLE					
			TRAIN ORDERS					
			8 CAR(S)					
PROBABLE CAUSE: DEFLATED AIR SPRINGS ON THE FIRST CAR IN THE TRAIN AND MARGINAL TRACK CONDITIONS.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	01/22/83	1:00 AM	STAUFFER	WY	DERAILMENT	0	2	\$326,000
4	TYPE OF TRACK:		INDUSTRY					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		MANUAL BLOCK	MOVEMENTS INVOLVED: FREIGHT TRAIN			X3158	7 MPH
	EQUIPMENT DERAILED:		3 LOCOMOTIVE(S)					
PROBABLE CAUSE: FAILURE OF THE TRAIN CREW TO OPERATE THE TRAIN IN ACCORDANCE WITH THE CARRIER'S AIR BRAKE RULES AND THE POWER BRAKE LAW. THE TRAIN CREW FAILED TO MAKE A PROPER AIR BRAKE TEST PRIOR TO MOVING THE TRAIN. ANGLE COCKS WERE CLOSED ON TWO CARS IN THE TRAIN RESULTING IN AN INEFFECTIVE TRAIN BRAKING SYSTEM.								
KCS	01/28/83	1:52 PM	CLEVELAND	MO	REAR-END COLLISION	0	1	\$50,000
5	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
	METHOD OF OPERATION:		TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN			649	37 MPH
				SINGLE CAR			1008	10
	EQUIPMENT DERAILED:		NONE					
PROBABLE CAUSE: THE TRAIN CREW OF EXTRA 649 NORTH ENTERED THE LIMITS OF A FORM "U" TRAIN ORDER WITHOUT AUTHORITY AND STRUCK THE REAR OF A BALLAST REGULATOR.								
UP	01/28/83	7:08 PM	THE DALLES	OR	REAR-END COLLISION	1	0	\$100,757
6	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		AUTOMATIC BLOCK	MOVEMENTS INVOLVED: YARD/SWITCHING			1818	1 MPH
			YARD RULES	FREIGHT TRAIN			X3311	18
	EQUIPMENT DERAILED:		TIME TABLE					
			1 CAR(S)					
PROBABLE CAUSE: THE FAILURE OF CREW MEMBERS OF EXTRA 3311 WEST AND YARD ENGINE 1818 TO COMPLY WITH SPECIAL OPERATING INSTRUCTIONS GOVERNING TRAIN MOVEMENTS ON A MAIN TRACK IN YARD LIMITS.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP/ ATK	01/30/83	4:53 AM	REDHOUSE	NV	RAKING COLLISION	0	14	\$871,769
7	TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: PASSENGER TRAIN YARD/SWITCHING		6	70 MPH		
EQUIPMENT DERAILED:		2 LOCOMOTIVE(S) 9 CAR(S)			X3676	0		
PROBABLE CAUSE: DERAILED FREIGHT CARS FOULING THE MAIN TRACK WERE STRUCK BY PASSENGER TRAIN NO. 6.								
CONTRIBUTING FACTOR: THE CREW OF EXTRA 3676 EAST SHOVED CARS OVER THE END OF THE SPUR TRACK, AND THE CARS FOULED THE MAIN TRACK.								
CR	02/12/83	11:10 PM	DELTA	OH	RAIL-HWY CROSSING	4	2	\$2,275
8	TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		X6293	65 MPH		
EQUIPMENT DERAILED:		NONE						
PROBABLE CAUSE: FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.								
CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE VEHICLE OPERATOR BY ALCOHOL.								
CR	02/14/83	7:26 AM	COLUMBIA	PA	REAR-END COLLISION	0	2	\$179,000
9	TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: CAB SIGNAL AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		X3314 X6483	0 MPH 25		
EQUIPMENT DERAILED:		1 LOCOMOTIVE(S) 3 CAR(S) 1 CABOOSE(S)						
PROBABLE CAUSE: FAILURE OF THE TRAIN CREW OF EXTRA 6483 EAST TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/03/83	5:05 AM	CAJON	CA	OBSTRUCTION	0	4	\$362,300
10	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TRAFFIC CONTROL 6 LOCOMOTIVE(S) 16 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X3279	24 MPH
PROBABLE CAUSE: FAILURE OF THE ASSISTANT FOREMAN TO PROVIDE FLAG PROTECTION FOR CONTRACTOR MACHINERY OPERATING NEAR THE TRACK.								
ICG	03/13/83	5:40 PM	DOYLINE	LA	DERAILMENT	0	0	\$110,800
11	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TIME TABLE TRAIN ORDERS 16 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X9503	39 MPH
PROBABLE CAUSE: BROKEN JOINT BARS ON THE 112-POUND JOINTED RAIL.								
MP	03/14/83	2:20 AM	HARRISON	TX	DERAILMENT	0	0	\$18,000
12	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TIME TABLE TRAIN ORDERS 9 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X3099	13 MPH
PROBABLE CAUSE: THE INTERACTION OF LATERAL/VERTICAL FORCES AT CRITICAL TRAIN SPEED WAS SUFFICIENT TO LIFT THE WHEELS OF THE TRAILING TRUCK UNDER CAR LGIX 627.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	03/24/83	7:57 PM	PHILADELPHIA	PA	DERAILMENT	0	0	\$237,500
19	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 3 INTERLOCKING AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED: FREIGHT TRAIN			X6486	28 MPH
EQUIPMENT DERAILED:			23 CAR(S)					
PROBABLE CAUSE: THE PINION THAT OPERATED THE DISCHARGE GATE FELL FROM CR 890173, A COVERED HOPPER CAR.								
MP	03/27/83	12:30 PM	CHIVINGTON	CO	DERAILMENT	0	2	\$30,900
20	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN			X4822 X5406	55 MPH 0
EQUIPMENT DERAILED:			1 LOCOMOTIVE(S) 6 CAR(S) 1 CABOOSE(S)					
PROBABLE CAUSE: THE TRUCK TRANSOM FAILED AT THE "A" END OF ATSF 88124 (EXTRA 4822 EAST) AND ALLOWED THE BRAKE RIGGING TO DROP TO THE TRACK STRUCTURE.								
ATSF	03/30/83	5:15 PM	DOUBLEA	AZ	HEAD-END COLLISION	0	1	\$3,150
21	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 5 TRAFFIC CONTROL AUTO TRAIN STOP	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN			X5677 X5679	0 MPH 11
EQUIPMENT DERAILED:			NONE					
PROBABLE CAUSE: AN ASPECT DISPLAYED BY A LIGHT SIGNAL, NOT THE ASPECT INTENDED, OCCURRED WHEN LIGHT FROM AN EXTERNAL SOURCE WAS REFLECTED BY THE OPTICAL SYSTEM OF THE SIGNAL.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	03/31/83	4:30 AM	ANTELOPE	CA	HEAD-END COLLISION	0	2	\$91,000
22	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		INTERLOCKING	MOVEMENTS INVOLVED:		FREIGHT TRAIN	X7350	8 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)			LIGHT LOCO(S)	X1525	7
PROBABLE CAUSE: FAILURE OF THE CREW OF THE LIGHT LOCOMOTIVE CONSIST TO OPERATE IN ACCORDANCE WITH SIGNAL INDICATION WITHIN INTERLOCKING LIMITS.								
DRGW	04/03/83	4:00 AM	DENVER	CO	OTHER	0	25	\$18,000
23	TYPE OF TRACK:		YARD					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		YARD RULES	MOVEMENTS INVOLVED:		YARD/SWITCHING	146	12 MPH
	EQUIPMENT DERAILED:		NONE					
PROBABLE CAUSE: A FAILED COUPLER ON THE "A" END OF WP 66132, AN EMPTY BOXCAR, PENETRATED THE "A" END OF THE TANK CAR.								
CONTRIBUTING FACTOR: THE FAILED COUPLER HAD AN OLD BREAK, 70-PERCENT CONCEALED. THE LOCATION OF THE OLD BREAK WAS NOT DETECTABLE BY NORMAL VISUAL INSPECTIONS.								
SOU/ ATK	04/03/83	5:55 AM	HAMNER	VA	OBSTRUCTION	0	29	\$231,840
24	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		TRAFFIC CONTROL	MOVEMENTS INVOLVED:		PASSENGER TRAIN	820	48 MPH
	EQUIPMENT DERAILED:		2 LOCOMOTIVE(S) 6 CAR(S)					
PROBABLE CAUSE: AN EARTH AND ROCK SLIDE MEASURING 9 FEET HIGH COVERED THE RAILS.								
CONTRIBUTING FACTOR: RAINFALL IN THE ACCIDENT AREA MEASURED 2.21 INCHES FOR THE 24-HOUR PERIOD PRIOR TO THE ACCIDENT.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	04/19/83	4:08 PM	CICERO	IL	OBSTRUCTION	0	16	\$527,000
28	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
	METHOD OF OPERATION:		TRAFFIC CONTROL	MOVEMENTS INVOLVED: PASSENGER TRAIN		254	45 MPH	
	EQUIPMENT DERAILED:		CAB SIGNAL 2 CAR(S)					
PROBABLE CAUSE: TRAIN NO. 254 STRUCK A FREIGHT CAR PLUG DOOR THAT WAS FOULING TRACK NO. 3. THE PLUG DOOR FELL FROM BNFE 9709, A MECHANICAL REFRIGERATOR CAR, ON WESTBOUND FREIGHT TRAIN EL BN 9, OPERATING ON TRACK NO . 4.								
MP	04/19/83	9:20 PM	KANSAS CITY	MO	REAR-END COLLISION	0	4	\$1,650
29	TYPE OF TRACK:		YARD					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		YARD RULES	MOVEMENTS INVOLVED: FREIGHT TRAIN LIGHT LOCO(S)		X1550 X4840	0 MPH 13	
	EQUIPMENT DERAILED:		2 LOCOMOTIVE(S)					
PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 4840 EAST TO OPERATE IN A YARD PREPARED TO STOP SHORT OF AN OBSTRUCTION, AND STRUCK EXTRA 1550 EAST.								
ICG	04/21/83	10:10 AM	SHIPMAN	IL	DERAILMENT	0	2	\$38,000
30	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		TRAFFIC CONTROL	MOVEMENTS INVOLVED: FREIGHT TRAIN		X528	48 MPH	
	EQUIPMENT DERAILED:		8 CAR(S) 1 CABOOSE(S)					
PROBABLE CAUSE: THE INTERACTION OF VERTICAL/LATERAL FORCES WAS SUFFICIENT TO CAUSE WHEEL LIFT AND DERAILEMENT.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	05/06/83	9:45 AM	CASEY	OK	DERAILMENT	0	0	\$263,335
34	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TIME TABLE 1 LOCOMOTIVE(S) 34 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X8109	32 MPH
PROBABLE CAUSE: SLACK ACTION CAUSED BY IMPROPER USE OF THE TRAIN'S BRAKING SYSTEMS. THE TRAIN WAS 8,745 FEET LONG, CARRYING 39 EMPTIES THROUGHOUT AND 20 CARS OF POTASH AT THE REAR END. THE TRAIN HAD JUST LEFT A 1.0-PERCENT DESCENDING GRADE AND WAS STARTING A 0.50-PERCENT ASCENDING GRADE.								
SBD	05/07/83	5:00 PM	WOODLAND	GA	HEAD-END COLLISION	0	1	\$39,200
35	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TRAFFIC CONTROL NONE		MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		308 323	0 MPH 5
PROBABLE CAUSE: THE FAILURE OF THE ENGINEER AND THE FRONT BRAKEMAN OF TRAIN NO. 323 TO OPERATE THE LOCOMOTIVE CONSIST AT A SPEED THAT WOULD HAVE ALLOWED A SAFE COUPLING WITH TRAIN NO. 308.								
SP/ ATK	05/11/83	5:48 AM	DORRIS	CA	DERAILMENT	0	0	\$124,200
36	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TRAFFIC CONTROL 3 CAR(S)		MOVEMENTS INVOLVED: PASSENGER TRAIN		14	70 MPH
PROBABLE CAUSE: A DETAIL FRACTURE IN THE 119-POUND JOINTED RAIL.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	05/13/83	12:55 PM	WINTER PARK	FL	DERAILMENT	0	2	\$5,643
37	TYPE OF TRACK: MAIN		CLASS OF TRACK: 3		METHOD OF OPERATION: TRAFFIC CONTROL		EQUIPMENT DERAILED: 4 LOCOMOTIVE(S)	
MOVEMENTS INVOLVED: FREIGHT TRAIN						X5507		20 MPH
PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 5507 SOUTH TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.								
CONTRIBUTING FACTOR: FAILURE OF THE APPRENTICE MAINTENANCE-OF-WAY FOREMAN AND THE SIGNAL MAINTAINER TO PROVIDE FLAG PROTECTION WHILE REPAIR WORK WAS MADE TO THE SPUR TRACK SWITCH.								
MILW	05/17/83	2:38 PM	ELGIN	IL	RAIL-HWY CROSSING	0	29	\$8,830
38	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: AUTOMATIC BLOCK YARD RULES TIME TABLE		EQUIPMENT DERAILED: NONE	
MOVEMENTS INVOLVED: FREIGHT TRAIN						X492		10 MPH
PROBABLE CAUSE: THE CROSSING GUARD (EMPLOYEE) FAILED TO ACTIVATE THE GATES.								
SBD	05/18/83	9:35 PM	BAINBRIDGE	GA	HEAD-END COLLISION	0	1	\$90,800
39	TYPE OF TRACK: MAIN		CLASS OF TRACK: 3		METHOD OF OPERATION: YARD RULES		EQUIPMENT DERAILED: NONE	
MOVEMENTS INVOLVED: CUT OF CARS LIGHT LOCO(S)						X333		0 MPH
PROBABLE CAUSE: THE FAILURE OF THE CREW OF X333 TO OPERATE LOCOMOTIVE CONSISTS ON THE MAIN TRACK IN YARD LIMITS IN COMPLIANCE WITH CARRIER OPERATING RULE 93.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	05/24/83	2:22 AM	PENNSYLVANIA STATION	NY	HEAD-END COLLISION	0	2	\$33,500
40	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		YARD 1 INTERLOCKING AUTOMATIC BLOCK 1 LOCOMOTIVE(S) 2 CAR(S)		MOVEMENTS INVOLVED: PASSENGER TRAIN CUT OF CARS		66	0 MPH 8
PROBABLE CAUSE: THE FAILURE OF THE YARD SWITCHING CREW TO PROPERLY SECURE THE CUT OF CARS.								
BN	05/26/83	7:35 AM	MALIN	OR	DERAILMENT	0	2	\$50,250
41	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TIME TABLE TRAIN ORDERS 2 LOCOMOTIVE(S) 6 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X2505	30 MPH
PROBABLE CAUSE: A MAIN LINE SWITCH WAS IMPROPERLY ALIGNED BY PERSON(S) UNKNOWN.								
DRGW/ ATSF/ BN	05/27/83	1:00 PM	PALMER LAKE	CO	SIDE COLLISION	0	3	\$1,114,678
42	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 2 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 3 LOCOMOTIVE(S) 13 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		X5403 X5005	20 MPH 20
PROBABLE CAUSE: THE FAILURE OF THE ATSF CREW (BN EXTRA 5005 SOUTH) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	06/07/83	4:45 PM	HOPE	ID	DERAILMENT	0	0	\$580,500
43	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TRAFFIC CONTROL 30 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X8039	46 MPH
PROBABLE CAUSE: AN IRREGULAR TRACK ALIGNMENT BECAUSE OF A SUN KINK. IN THE 14 HOURS BEFORE THE DERAILMENT THE TEMPERATURE CHANGED FROM 38 DEGREES F. TO 79 DEGREES F.								
CR	06/15/83	3:30 PM	DAM	NY	DERAILMENT	0	0	\$57,800
44	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 MANUAL BLOCK TIME TABLE TRAIN ORDERS 12 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		BU015	30 MPH
PROBABLE CAUSE: AN IRREGULAR TRACK ALIGNMENT BECAUSE OF A SUN KINK. THE TEMPERATURE ON THE DAY OF THE DERAILMENT WAS 97 DEGREES F.								
DRGW	06/16/83	2:18 AM	GRAND JUNCTION	CO	DERAILMENT	0	0	\$144,000
45	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		YARD 2 YARD RULES 4 CAR(S)		MOVEMENTS INVOLVED: CUT OF CARS			0 MPH
PROBABLE CAUSE: THE ABSENCE OF TRACK SKATES ON A 0.30-PERCENT DESCENDING GRADE ALLOWED THE CUT OF 30 CARS TO ROLL WESTWARD UNATTENDED. THE YARDMASTER FAILED TO HAVE TRACK SKATES RESTORED TO TRACK NO. 31. THE YARD SWITCHING CREW FAILED TO SHOVE THE FIRST CARS IN THE TRACK AGAINST THE SKATES, AS REQUIRED BY CARRIER RULES.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK/ NJT	06/24/83	1:45 PM	PENNSYLVANIA STATION	NY	SIDE COLLISION	0	18	\$125,000
46	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		YARD 1 INTERLOCKING AUTOMATIC BLOCK 1 LOCOMOTIVE(S)		MOVEMENTS INVOLVED: PASSENGER TRAIN LIGHT LOCO(S)		38 18 YN-1	12 MPH 6
PROBABLE CAUSE: THE FAILURE OF THE CREW OF THE ATK LIGHT LOCOMOTIVE TO OPERATE THE LOCOMOTIVE IN ACCORDANCE WITH THE SIGNAL INDICATION.								
CR	06/29/83	3:45 AM	SELMA	IN	RAIL-HWY CROSSING	4	0	\$436
47	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS NONE		MOVEMENTS INVOLVED: FREIGHT TRAIN		X1976	45 MPH
PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.								
CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE VEHICLE OPERATOR BY ALCOHOL.								
SBD	07/07/83	9:00 AM	MAYSVILLE	NC	RAIL-HWY CROSSING	0	2	\$69,400
48	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 2 TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE(S) 4 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		423	10 MPH
PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF THE TRACTOR-TRAILER TO STOP SHORT OF THE CROSSING.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	07/08/83	1:15 AM	DESCHUTES	OR	BROKEN TRAIN COLLISION	0	1	\$254,500
49	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FREIGHT TRAIN		X6559	44 MPH
	EQUIPMENT DERAILED:		22 CAR(S)					
PROBABLE CAUSE: IMPROPER TRAIN HANDLING ON A 0.96-PERCENT DESCENDING GRADE. MALFUNCTION OF THE DYNAMIC BRAKING SYSTEM.								
SSW	07/08/83	6:50 AM	TYLER	TX	DERAILMENT	0	3	\$1,087,500
50	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 4 TIME TABLE TRAIN ORDERS YARD RULES		MOVEMENTS INVOLVED: FREIGHT TRAIN		X7826	17 MPH
	EQUIPMENT DERAILED:		3 LOCOMOTIVE(S) 1 CAR(S)					
PROBABLE CAUSE: AN UNKNOWN OBJECT BETWEEN THE SWITCH POINT AND THE STOCK RAIL PREVENTED THE NORMAL TRANSFER OF WHEELS FROM THE SWITCH POINT TO THE STOCK RAIL.								
CNW	07/13/83	12:05 AM	PROVO JUNCTION	IL	DERAILMENT	0	1	\$37,000
51	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		YARD 1 TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		X5079	10 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)					
PROBABLE CAUSE: FAILURE OF THE ENGINEER TO OPERATE THE TRAIN IN ACCORDANCE WITH A SIGNAL INDICATION.								
CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE ENGINEER BY ALCOHOL.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN/ ATK	07/14/83	8:32 AM	NISQUALLY	WA	DERAILMENT	0	0	\$62,000
52			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 2 CAR(S)	MOVEMENTS INVOLVED: PASSENGER TRAIN		795	12 MPH
PROBABLE CAUSE: THE LEADING WHEEL OF THE SECOND CAR CLIMBED THE SWITCH POINT.								
CONTRIBUTING FACTOR: THE STOCK RAIL OF THE TURNOUT WAS IMPROPERLY UNDERCUT, AND CURVE WORN, AND PREVENTED THE RAIL FROM PROTECTING THE SWITCH POINT AS INTENDED.								
SP/ ATSF	07/16/83	4:40 AM	CLIFF	CA	DERAILMENT	0	1	\$131,000
53			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 2 TRAFFIC CONTROL 12 CAR(S) 1 CABOOSE(S)	MOVEMENTS INVOLVED: FREIGHT TRAIN		X8737	23 MPH
PROBABLE CAUSE: EXCESSIVE LATERAL BUFF FORCES. THE TRAIN WAS BEING OPERATED WITH EIGHT LOCOMOTIVES IN HEAVY DYNAMIC BRAKING IN A 10-DEGREE, 14-MINUTE CURVE ON A 2.1-PERCENT-DESCENDING GRADE.								
ARR	07/18/83	1:35 PM	GARNER	AK	DERAILMENT	0	0	\$4,600
54			TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 2 TIME TABLE TRAIN ORDERS 4 CAR(S)	MOVEMENTS INVOLVED: PASSENGER TRAIN		X1512	20 MPH
PROBABLE CAUSE: AN IRREGULAR RATE OF CHANGE IN ALIGNMENT ON THE SPIRAL OF A 14-DEGREE, 30-MINUTE CURVE FORCED THE OUTSIDE RAIL OVER.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	07/18/83	4:35 PM	CRYSTAL CITY	MO	DERAILMENT	0	0	\$802,916
55	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TRAFFIC CONTROL 51 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X6334	52 MPH
PROBABLE CAUSE: THE TRACK BUCKLED UNDER A TRAIN MOVEMENT. THE TRAIN WAS BEING OPERATED AT 12 MPH OVER THE MAXIMUM AUTHORIZED SPEED. THE ENGINEER WAS USING DYNAMIC BRAKING, CONTRARY TO CARRIER INSTRUCTIONS, AND THE TEMPERATURE WAS 97 DEGREES F.								
CR	07/18/83	8:15 PM	BERGEN	NY	DERAILMENT	0	0	\$168,500
56	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 5 TRAFFIC CONTROL 16 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X3240	49 MPH
PROBABLE CAUSE: A BROKEN CENTER SILL ON BOXCAR CR369647 ALLOWED DRAFT GEAR AND ATTACHMENTS TO DROP BETWEEN THE RAILS.								
CNW	07/21/83	7:20 AM	WADSWORTH	IL	RAIL-HWY CROSSING	1	1	\$379,679
57	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 2 LOCOMOTIVE(S) 12 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X992	30 MPH
PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	07/21/83	6:55 PM	WATTS	CA	HEAD-END COLLISION	0	6	\$717,800
58	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		YARD RULES	MOVEMENTS INVOLVED:		FREIGHT TRAIN	X3346	2 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)			FREIGHT TRAIN	X3886	10
			2 CAR(S)					
PROBABLE CAUSE: THE FAILURE OF BOTH TRAIN CREWS TO OPERATE THE TRAINS AT A SPEED THAT WOULD HAVE PERMITTED STOPPING WITHIN ONE-HALF THE RANGE OF VISION.								
CONTRIBUTING FACTOR: TREES AND HOUSES ALONG THE RIGHT-OF-WAY, AND A 4-DEGREE, 30-MINUTE CURVE RESTRICTED THE TRAIN CREWS VIEW TO 1,000 FEET.								
ICG/ ATK	07/28/83	9:48 AM	WILMINGTON	IL	RAIL-HWY CROSSING	0	61	\$560,000
59	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		AUTOMATIC BLOCK	MOVEMENTS INVOLVED:		PASSENGER TRAIN	301	75 MPH
	EQUIPMENT DERAILED:		TIME TABLE					
			TRAIN ORDERS					
			1 LOCOMOTIVE(S)					
			3 CAR(S)					
PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING EVEN THOUGH THE AUTOMATIC FLASHERS AND BELLS INDICATED THE APPROACH OF A TRAIN.								
ARR	07/29/83	2:15 PM	HOME	AK	DERAILMENT	0	0	\$81,830
60	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
	METHOD OF OPERATION:		TIME TABLE	MOVEMENTS INVOLVED:		FREIGHT TRAIN	X3013	36 MPH
	EQUIPMENT DERAILED:		TRAIN ORDERS					
			13 CAR(S)					
PROBABLE CAUSE: IMPROPER TRAIN HANDLING AND EXCESSIVE SPEED. THE TRAIN WAS BEING OPERATED AT 36 MPH ON A 3-DEGREE CURVE THAT HAD A 30-MPH SPEED RESTRICTION. IMPROPER CONTROL OF THE TRAIN SLACK ACTION ON A 0.51-PERCENT GRADE.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	07/30/83	6:55 PM	FRANCIS	TX	RAIL-HWY CROSSING	3	1	\$3,500
61	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X7840	40 MPH
	EQUIPMENT DERAILED:		NONE					
PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.								
BM	08/03/83	6:45 PM	GRANITEVILLE	MA	DERAILMENT	0	0	\$125,000
62	TYPE OF TRACK:		SIDING					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X312	28 MPH
	EQUIPMENT DERAILED:		5 CAR(S)					
PROBABLE CAUSE: THE HARMONIC ROCK-OFF OF TANK CAR GATX 98773. THE MAXIMUM AUTHORIZED SPEED IS 25 MPH.								
CONTRIBUTING FACTOR: CHANGES IN CROSS-LEVEL AND GAGE WERE SUFFICIENT TO CAUSE HARMONIC ROCKING.								
SBD	08/04/83	3:15 PM	LONE STAR	SC	DERAILMENT	0	0	\$900,140
63	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		MANUAL BLOCK		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X8089	35 MPH
			TIME TABLE					
			TRAIN ORDERS					
	EQUIPMENT DERAILED:		42 CAR(S)					
PROBABLE CAUSE: THE TRACK BUCKLED UNDER A TRAIN MOVEMENT. THE TEMPERATURE WAS 90 DEGREES F.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	08/06/83	3:10 PM	MOORPARK	CA	DERAILMENT	0	0	\$376,995
64	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		AUTOMATIC BLOCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN		X7337	50 MPH
	EQUIPMENT DERAILED:		TIME TABLE TRAIN ORDERS 16 CAR(S)					
PROBABLE CAUSE: BUCKLED TRACK. THE TEMPERATURE WAS 107 DEGREES F.								
CNW	08/10/83	4:45 PM	DEKALB	IL	DERAILMENT	0	0	\$903,000
65	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		3					
	METHOD OF OPERATION:		INTERLOCKING TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN		X6853	35 MPH
	EQUIPMENT DERAILED:		26 CAR(S)					
PROBABLE CAUSE: A ROLLER BEARING JOURNAL FAILURE AT THE R-3 LOCATION ON UP 39113, A HOPPER CAR.								
SP	08/11/83	8:15 PM	ENGLEWOOD YARD	TX	DERAILMENT	0	0	\$57,600
66	TYPE OF TRACK:		YARD					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		YARD RULES	MOVEMENTS INVOLVED:	YARD/SWITCHING		YD-JB	10 MPH
	EQUIPMENT DERAILED:		19 CAR(S)					
PROBABLE CAUSE: A DEFECTIVE LOCK-LIFT ANTI-CREEP ON BOXCAR UPFE 457956 ALLOWED THE CARS TO SEPARATE AND TO SUBSEQUENTLY COLLIDE AT AN UNCONTROLLED SPEED.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	08/12/83	5:20 PM	CHARLOTTE	NC	REAR-END COLLISION	0	1	\$110,000
67	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		496	0 MPH
	CLASS OF TRACK:		2		FREIGHT TRAIN			
	METHOD OF OPERATION:		TIME TABLE		LIGHT LOCO(S)			30
	EQUIPMENT DERAILED:		TRAIN ORDERS					
			2 LOCOMOTIVE(S)					
			4 CAR(S)					
			1 CABOOSE(S)					
PROBABLE CAUSE: THE FAILURE OF THE ENGINEER AND THE BRAKEMAN TO PROPERLY SECURE THE LOCOMOTIVES BEFORE LEAVING THEM UNATTENDED.								
CONTRIBUTING FACTOR: FAILURE OF THE CARRIER TO INSTALL THE APPROPRIATE SIZE DERAIL ON THE POCKET TRACK.								
BN	08/13/83	6:15 PM	SHELBY	MO	DERAILMENT	0	0	\$820,800
68	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		X8126	54 MPH
	CLASS OF TRACK:		4		FREIGHT TRAIN			
	METHOD OF OPERATION:		TRAFFIC CONTROL					
	EQUIPMENT DERAILED:		40 CAR(S)					
PROBABLE CAUSE: A PLAIN BEARING JOURNAL FAILURE AT THE R-4 LOCATION ON TRCX 134, A COVERED HOPPER CAR.								
ARR	08/21/83	6:05 PM	WHITNEY	AK	DERAILMENT	0	0	\$131,245
69	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		X3009	25 MPH
	CLASS OF TRACK:		2		FREIGHT TRAIN			
	METHOD OF OPERATION:		TIME TABLE					
	EQUIPMENT DERAILED:		TRAIN ORDERS					
			2 LOCOMOTIVE(S)					
			20 CAR(S)					
PROBABLE CAUSE: EXCESSIVE LATERAL FORCES EXERTED AGAINST THE HIGH RAIL ON THE 10-DEGREE, 30-MINUTE CURVE BY THE LOCOMOTIVE CONSIST WERE SUFFICIENT TO DISPLACE AND OVERTURN THE RAIL.								
CONTRIBUTING FACTOR: THE NO. 1 AXLE OF LOCOMOTIVE ARR 3007 HAD 0.78 INCH OF UNCONTROLLED LATERAL MOTION WHEN 0.75 INCH IS THE MAXIMUM PERMITTED BY FEDERAL REGULATION.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	08/23/83	9:50 AM	COMANCHE	TX	OBSTRUCTION	0	3	\$120,000
70	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TRAFFIC CONTROL 9 LOCOMOTIVE(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X5104	40 MPH
PROBABLE CAUSE: THE FAILURE OF BULLDOZER OPERATOR TO OBTAIN AUTHORITY BEFORE ATTEMPTING TO CROSS THE MAIN TRACK.								
CONTRIBUTING FACTOR: THE BULLDOZER STALLED ON THE TRACK.								
SBD/ ATK	08/25/83	1:10 AM	ROWLAND	NC	RAIL-HWY CROSSING	0	46	\$227,519
71	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 5 TRAFFIC CONTROL 2 LOCOMOTIVE(S) 2 CAR(S)		MOVEMENTS INVOLVED: PASSENGER TRAIN		88	70 MPH
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO CLEAR THE RAIL-HIGHWAY CROSSING WHEN THE TRAILER LODGED ON THE PAVEMENT.								
CONTRIBUTING FACTOR: THE VEHICLE OPERATOR DID NOT USE THE AUTHORIZED DETOUR ROUTE.								
ATSF	08/31/83	4:05 PM	FULLERVILLE	TX	DERAILMENT	0	0	\$846,474
72	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TRAFFIC CONTROL 36 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X3812	54 MPH
PROBABLE CAUSE: A PLAIN BEARING JOURNAL FAILURE AT THE R-4 LOCATION ON ATSF 201239, A BULKHEAD FLATCAR.								
CONTRIBUTING FACTOR: A PITTED JOURNAL CONDITION LED TO THE OVERHEATING AND SUBSEQUENT FAILURE.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
B0	09/02/83	3:30 PM	MURDOCK	IL	DERAILMENT	0	0	\$301,927
73	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 2 TIME TABLE TRAIN ORDERS 11 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X4032	25 MPH
PROBABLE CAUSE: UNDETERMINED.								
BN	09/11/83	9:45 AM	SAUNDERS	WI	DERAILMENT	0	1	\$177,000
74	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 2 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 13 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X6824	25 MPH
PROBABLE CAUSE: SLACK ACTION IN THE TRAIN WAS SUFFICIENT TO CAUSE WHEEL LIFT ON THE 114TH CAR AT A 7-DEGREE CURVE ON A 0.5-PERCENT-DESCENDING GRADE.								
CONTRIBUTING FACTOR: FULL DYNAMIC BRAKING AND AN 8-POUND REDUCTION WITH THE AUTOMATIC BRAKE VALVE TO REDUCE TRAIN SPEED FROM 35 MPH TO 25 MPH PRIOR TO ENTERING THE TURNOUT SWITCH.								
SP	09/12/83	4:30 PM	WEST PARK	TX	DERAILMENT	0	0	\$242,500
75	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 2 TIME TABLE TRAIN ORDERS 15 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X7963	23 MPH
PROBABLE CAUSE: A BROKEN 90-POUND RAIL (HEAD AND WEB SEPARATION) AT A 90/136-POUND COMPROMISE JOINT.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	09/13/83	3:35 AM	GREENDALE	IL	DERAILMENT	0	0	\$491,000
76	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: AUTOMATIC BLOCK		MOVEMENTS INVOLVED: FREIGHT TRAIN	
	EQUIPMENT DERAILED:		TRAIN ORDERS		X2009		37 MPH	
	EQUIPMENT DERAILED:		23 CAR(S)					
PROBABLE CAUSE: A ROLLER BEARING JOURNAL FAILURE FROM OVERHEATING AT THE R-2 LOCATION ON WEPX 340, A HIGH-SIDE, FIXED-END GONDOLA CAR.								
CONTRIBUTING FACTOR: FAILURE OF THE TRAIN CREW TO INSPECT THE SUBJECT CAR WHEN THE TRAIN WAS STOPPED BY THE DEFECTIVE EQUIPMENT DETECTOR CENTER. FAILURE OF THE NEXT DEFECTIVE EQUIPMENT DETECTOR CENTER (22.9 MILES) TO NOTIFY THE TRAIN CREW OF A HIGH READING ON THE SUBJECT CAR AFTER THE TRAIN PASSED THAT LOCATION.								
SBD	09/14/83	5:35 AM	SULLIVAN	IN	REAR-END COLLISION	2	2	\$823,828
77	TYPE OF TRACK: MAIN		CLASS OF TRACK: 3		METHOD OF OPERATION: TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN	
	EQUIPMENT DERAILED:		TRAIN ORDERS		FREIGHT TRAIN		X1751	
	EQUIPMENT DERAILED:		3 LOCOMOTIVE(S)		X8051		18 MPH	
	EQUIPMENT DERAILED:		30 CAR(S)					
	EQUIPMENT DERAILED:		2 CABOOSE(S)					
PROBABLE CAUSE: THE FAILURE OF THE CREW ON EXTRA 8051 NORTH TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.								
CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE ENGINEER AND THE FRONT BRAKEMAN (EXTRA 8051 NORTH) BY ALCOHOL; AND THE OPERATION OF THE LOCOMOTIVE BY THE FRONT BRAKEMAN, WHO WAS NOT QUALIFIED AS AN ENGINEER.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE	
CO/ SBD/ DOT	09/15/83	7:50 AM	LEVISA	KY	RAIL-HWY CROSSING	0	0	\$100	
78	TYPE OF TRACK: MAIN		CLASS OF TRACK: 3		METHOD OF OPERATION: TRAFFIC CONTROL		MOVEMENTS INVOLVED: WORK TRAIN	X7085	40 MPH
	EQUIPMENT DERAILED: NONE		PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF THE MOTOR VEHICLE TO STOP AT THE CROSSING.						
BN/ ATK	09/18/83	6:50 PM	FOXBORO	MN	RAIL-HWY CROSSING	3	0	\$0	
79	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: PASSENGER TRAIN	10	53 MPH
	EQUIPMENT DERAILED: NONE		PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF A THREE-WHEEL CYCLE TO STOP AT THE CROSSING.						
	CONTRIBUTING FACTOR: VEHICLES APPROACHING FROM THE SOUTH HAD LIMITED VISIBILITY OF THE RAILROAD TRACK.								
BN	09/19/83	4:25 AM	ST. MICHAEL	NE	DERAILMENT	0	0	\$1,735,000	
80	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN	X7275	42 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)		42 CAR(S)				
	PROBABLE CAUSE: A TRANSVERSE FISSURE BREAK IN THE 132-POUND CONTINUOUS WELDED RAIL UNDER THE TRAIN'S MOVEMENT.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	09/26/83	10:50 AM	MALVERN	AR	DERAILMENT	0	1	\$0
81	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		YARD 1 YARD RULES TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: YARD/SWITCHING		X719	7 MPH
	EQUIPMENT DERAILED:		1 CAR(S)					
PROBABLE CAUSE: A WORN SWITCH POINT ALLOWED THE WHEELS OF MP 376237 TO CLIMB THE RAIL.								
S00	09/29/83	2:55 AM	SPENCER	WI	DERAILMENT	0	0	\$150,900
82	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 3 TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN		X700	38 MPH
	EQUIPMENT DERAILED:		2 LOCOMOTIVE(S) 8 CAR(S)					
PROBABLE CAUSE: A BROKEN WHEEL DUE TO THERMAL CRACKS AT THE L-4 LOCATION ON LOCOMOTIVE NO. 2405.								
SP/ ATSF	10/10/83	6:33 AM	TEHACHAPI	CA	REAR-END COLLISION	0	0	\$20,100
83	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 2 TRAFFIC CONTROL		MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		X5996 X9182	0 MPH 18
	EQUIPMENT DERAILED:		6 CAR(S) 1 CABOOSE(S)					
PROBABLE CAUSE: THE FAILURE OF THE SP CREW OF EXTRA 9182 EAST TO COMPLY WITH THE SIGNAL INDICATION.								
CONTRIBUTING FACTOR: THE ENGINEER OF EXTRA 9182 EAST STATED THAT HE WAS ASLEEP.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
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BM	10/31/83	4:57 PM	STOUGHTON	MA	DERAILMENT	0	0	\$6,300
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90	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	SIDING 2 MANUAL BLOCK TIME TABLE TRAIN ORDERS			MOVEMENTS INVOLVED: PASSENGER TRAIN		851	25 MPH
	EQUIPMENT DERAILED:	1 LOCOMOTIVE(S) 1 CAR(S)						

PROBABLE CAUSE: A SWITCH IMPROPERLY LINED BY PERSON(S) UNKNOWN.

CR/ SEPT	11/03/83	1:00 AM	LANSDALE	PA	REAR-END COLLISION	0	2	\$128,704
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91	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	YARD 3 TRAFFIC CONTROL			MOVEMENTS INVOLVED: FREIGHT TRAIN PASSENGER TRAIN		WPLA 428	13 MPH 0
	EQUIPMENT DERAILED:	3 LOCOMOTIVE(S)						

PROBABLE CAUSE: THE CONRAIL CREW FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

CONTRIBUTING FACTOR: THE SEPTA TRAIN CREW FAILED TO LINE THE SWITCH FOR NORMAL OPERATIONS ON THE MAIN TRACK.

NW/ CR	11/08/83	9:01 AM	BENSON	OH	REAR-END COLLISION	0	4	\$130,000
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92	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	MAIN 4 TRAFFIC CONTROL			MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN		X2324 X6280	0 MPH 38
	EQUIPMENT DERAILED:	10 CAR(S)						

PROBABLE CAUSE: THE TRAIN CREW OF EXTRA 6280 EAST FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	11/09/83	7:35 AM	RICHLANDS	VA	RAIL-HWY CROSSING	0	12	\$50
93	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X6110	10 MPH
	EQUIPMENT DERAILED:		NONE					
	PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.							
ATSF	11/09/83	2:44 PM	GLORIETA	NM	DERAILMENT	0	0	\$69,601
94	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		2					
	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X5128	26 MPH
	EQUIPMENT DERAILED:		22 CAR(S)					
	PROBABLE CAUSE: EXCESSIVE SLACK ACTION WAS SUFFICIENT TO CAUSE THE 28TH THROUGH THE 49TH CARS TO DERAIL.							
	CONTRIBUTING FACTOR: A DEFECTIVE P2A APPLICATION VALVE ON THE FIRST REMOTE CONTROL LOCOMOTIVE.							
SP/ ATK	11/09/83	10:32 PM	HOUSTON	TX	DERAILMENT	0	3	\$6,300
95	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		INTERLOCKING		MOVEMENTS INVOLVED:	PASSENGER TRAIN	1	10 MPH
	EQUIPMENT DERAILED:		3 CAR(S)					
	PROBABLE CAUSE: WIDE GAGE IN THE TURNOUT SIDE OF THE 119-POUND, NO. 9 CROSSOVER.							
	CONTRIBUTING FACTOR: THE MUDDY CONDITION OF THE BALLAST DID NOT PROVIDE THE REQUIRED TRACK STABILITY.							

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	11/11/83	11:22 AM	MILLBURY	OH	SIDE COLLISION	1	3	\$2,368,097
96	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: TRAFFIC CONTROL		EQUIPMENT DERAILED: 4 LOCOMOTIVE(S) 31 CAR(S)	
	MOVEMENTS INVOLVED: FREIGHT TRAIN		X6604		30 MPH			
	FREIGHT TRAIN		X3190		65			
PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 3190 EAST TO OPERATE THE TRAIN IN ACCORDANCE WITH SPECIAL INSTRUCTIONS CONCERNING SIGNALS.								
CONTRIBUTING FACTOR: THE SIGNAL ASPECT WAS NOT VISIBLE BECAUSE A SNOWSTORM HAD ENCRUSTED THE LENSES WITH ICE.								
CSS	11/11/83	11:25 AM	WILSON	IN	RAIL-HWY CROSSING	0	21	\$241,724
97	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		EQUIPMENT DERAILED: NONE	
	MOVEMENTS INVOLVED: PASSENGER TRAIN		109		60 MPH			
PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO STOP AT THE CROSSING.								
MP/ ATK	11/12/83	10:10 AM	WOODLAWN	TX	DERAILMENT	4	77	\$2,122,500
98	TYPE OF TRACK: MAIN		CLASS OF TRACK: 4		METHOD OF OPERATION: TRAFFIC CONTROL		EQUIPMENT DERAILED: 8 CAR(S)	
	MOVEMENTS INVOLVED: PASSENGER TRAIN		21		72 MPH			
PROBABLE CAUSE: A BROKEN 136-POUND RAIL.								
CONTRIBUTING FACTOR: CUTTING THE CHROME-VANADIUM HIGH-CARBON-STEEL RAIL WITH A TORCH AND NOT PLACING A SLOW ORDER BY THE MAINTENANCE-OF-WAY EMPLOYEES.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	11/13/83	12:01 AM	ASHTOLA	TX	DERAILMENT	0	0	\$3,027,000
99	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 4 TIME TABLE TRAIN ORDERS 5 LOCOMOTIVE(S) 73 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X8000	51 MPH
PROBABLE CAUSE: DETAIL FRACTURE IN THE 112-POUND JOINTED RAIL.								
KCS	11/16/83	2:50 PM	HAMMOCK	LA	REAR-END COLLISION	1	7	\$2,038,850
100	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TIME TABLE TRAIN ORDERS 5 LOCOMOTIVE(S) 7 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN CUT OF CARS		X769	35 MPH 0
PROBABLE CAUSE: SWITCH NOT PROPERLY LINED BY MAINTENANCE-OF-WAY EMPLOYEES.								
ATSF	11/17/83	2:15 AM	SCHOOLE	NM	BROKEN TRAIN COLLISION	0	0	\$1,880,900
101	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:		MAIN 3 TRAFFIC CONTROL 55 CAR(S)		MOVEMENTS INVOLVED: FREIGHT TRAIN		X8068	45 MPH
PROBABLE CAUSE: THE TRAIN CREW FAILED TO CHECK THE DRAFT COUPLING BETWEEN THE CARS AFTER COUPLING THE AIR HOSE THREE TIMES.								
CONTRIBUTING FACTOR: A BROKEN COUPLER KNUCKLE ON THE TRAILING END OF THE 53RD CAR.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/17/83	2:45 AM	CRUCERO	CA	DERAILMENT	0	1	\$160,700
102	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		FREIGHT TRAIN	
	CLASS OF TRACK:		4				X3428	
	METHOD OF OPERATION:		TRAFFIC CONTROL				47 MPH	
	EQUIPMENT DERAILED:		11 CAR(S)					
PROBABLE CAUSE: A BROKEN AXLE ON CAR UP 36179								
SP	11/19/83	5:30 AM	ELDON	TX	REAR-END COLLISION	4	1	\$470,000
103	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		FREIGHT TRAIN	
	CLASS OF TRACK:		2				190	
	METHOD OF OPERATION:		TIME TABLE		CUT OF CARS		20 MPH	
	EQUIPMENT DERAILED:		YARD RULES				0	
			1 LOCOMOTIVE(S)					
			5 CAR(S)					
			1 CABOOSE(S)					
PROBABLE CAUSE: THE CREW OF TRAIN NO. 190 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH SPEED RESTRICTIONS WITHIN YARD LIMITS AND STRUCK CARS THAT WERE LEFT STANDING WITHOUT PROTECTION ON THE MAIN TRACK.								
MKT/ MP	11/19/83	8:55 PM	WAGONER	OK	RR GRADE CROSSING	0	1	\$17,500
104	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		FREIGHT TRAIN	
	CLASS OF TRACK:		3				101	
	METHOD OF OPERATION:		INTERLOCKING		FREIGHT TRAIN		KL19	
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)				15 MPH	
PROBABLE CAUSE: THE CREW OF MP TRAIN NO. KL19 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE	
KCS	11/27/83	10:15 AM	NEAL SPRINGS	AR	DERAILMENT	0	1	\$480,000	
105	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		FREIGHT TRAIN	X662	32 MPH
	CLASS OF TRACK:		2						
	METHOD OF OPERATION:		TRAFFIC CONTROL						
	EQUIPMENT DERAILED:		4 LOCOMOTIVE(S) 16 CAR(S)						
PROBABLE CAUSE: INTERACTION OF LATERAL/VERTICAL FORCES.									
CONTRIBUTING FACTOR: EXCESSIVE SPEED. (MAXIMUM AUTHORIZED SPEED WAS 25 MPH.)									
SP	11/28/83	12:45 AM	MIDLAND	LA	DERAILMENT	0	0	\$1,613,400	
106	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		FREIGHT TRAIN	AVBAT	55 MPH
	CLASS OF TRACK:		4						
	METHOD OF OPERATION:		AUTOMATIC BLOCK						
	EQUIPMENT DERAILED:		TIME TABLE TRAIN ORDERS 38 CAR(S)						
PROBABLE CAUSE: THE NO. 1 SWITCH ROD BROKE.									
SBD/ ATK	11/30/83	2:45 PM	SPARR	FL	RAIL-HWY CROSSING	0	16	\$54,700	
107	TYPE OF TRACK:		MAIN		MOVEMENTS INVOLVED:		PASSENGER TRAIN	98	30 MPH
	CLASS OF TRACK:		4						
	METHOD OF OPERATION:		TRAFFIC CONTROL						
	EQUIPMENT DERAILED:		TRAIN ORDERS 1 LOCOMOTIVE(S) 4 CAR(S)						
PROBABLE CAUSE: INSUFFICIENT CLEARANCE BETWEEN THE BOTTOM OF THE TRACTOR-TRAILER AND THE ROAD SURFACE AT THE CROSSING.									

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	11/30/83	5:25 PM	LANCASTER	NY	RAIL-HWY CROSSING	0	0	\$4,350
108	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		5					
	METHOD OF OPERATION:		TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN	TV12P	3 MPH
	EQUIPMENT DERAILED:		NONE					
PROBABLE CAUSE: THE TRUCK WAS STUCK ON THE CROSSING BECAUSE OF A HEAVY ACCUMULATION OF SNOW.								
SP/ ATK	12/05/83	5:25 PM	EL PASO	TX	DERAILMENT	0	0	\$49,000
109	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		1					
	METHOD OF OPERATION:		INTERLOCKING		MOVEMENTS INVOLVED:	PASSENGER TRAIN	2	10 MPH
	EQUIPMENT DERAILED:		3 CAR(S)					
PROBABLE CAUSE: EXCESSIVE VERTICAL/LATERAL FORCES ON A LONG-WHEEL-BASE CAR CREATED BY A 1.05-PERCENT GRADE AND A NO. 10 TURNOUT.								
CONTRIBUTING FACTOR: A WORN SWITCH POINT AND A RIDGE OF METAL ON THE WHEEL OF COACH NO. 34096 WERE CONTRIBUTING FACTORS.								
MNCW	12/09/83	7:45 AM	WOODLAWN	NY	OBSTRUCTION	0	4	\$8,000
110	TYPE OF TRACK:		MAIN					
	CLASS OF TRACK:		4					
	METHOD OF OPERATION:		AUTOMATIC BLOCK		MOVEMENTS INVOLVED:	PASSENGER TRAIN	516	40 MPH
	EQUIPMENT DERAILED:		TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE(S)					
PROBABLE CAUSE: WHILE A CRANE OPERATOR WAS LIFTING SOME SCAFFOLDING, THE LOAD SHIFTED CAUSING THE CRANE TO TURN ON ITS SIDE; AND THE BOOM FOULED THE MAIN TRACK.								

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	12/14/83	2:40 AM	TUSCOLA	IL	DERAILMENT	0	2	\$96,275
111	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 5 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X9616 X9514	25 MPH 0
	EQUIPMENT DERAILED:		6 CAR(S) 1 CABOOSE(S)					
PROBABLE CAUSE: THE SWITCH POINTS OPENED UNDER THE TRAIN.								
MP	12/17/83	11:15 AM	HOLLYWOOD JCT	LA	DERAILMENT	1	0	\$5,500
112	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		SIDING 1 YARD RULES		MOVEMENTS INVOLVED:	FREIGHT TRAIN	XFR	7 MPH
	EQUIPMENT DERAILED:		1 CAR(S)					
PROBABLE CAUSE: THE DERAILMENT WAS CAUSED BY A RAIL MISMATCH AT A JOINT.								
BN	12/31/83	10:32 PM	WILLBRIDGE	OR	DERAILMENT	2	0	\$200,000
113	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:		MAIN 3 INTERLOCKING AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X2716	9 MPH
	EQUIPMENT DERAILED:		1 LOCOMOTIVE(S)					
PROBABLE CAUSE: THE FAILURE OF THE CREW TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS AND THE INOPERATIVE DERAIL AT THE END OF THE BRIDGE.								

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