January 1983

Summary of Accidents Investigated by the Federal Railroad Administration

Calendar Year 1981



U.S. Department of Transportation

Federal Railroad Administration





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INTRODUCTION

The 1981 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 100 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, 1979, 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-32 400 Seventh Street, S.W. Washington, D.C. 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1981, the Federal Railroad Administration investigated and determined the probable cause of 100 railroad accidents.

			No •	Percent			
2.	Type of Accident						
	 (a) Derailment (b) Head-End Collision (c) Rear-End Collision (d) Side Collision (e) Rail-Highway Crossing (f) RR Grade Crossing (g) Obstruction 		58 8 14 6 10 1	58.0 8.0 14.0 6.0 10.0 1.0 3.0			
		TOTAL	100	100.0			
3.	Accident Cause	No •	Percent				
	(a) Track Roadbed and Stru(b) Mechanical and ElectriFailure	cal	24 9	24.0 9.0			
	(c) Train Operation→Human(d) Miscellaneous	Factor	42 25	42.0 25.0			
		TOTAL	100	100.0			
4.	Casualties	Casualties					
	(a) Killed (b) Injured		40 344				

:5.	TRACK	ACCID	TOTAL	EQUIPMENT	TRACK
	CLASS	ENTS	DAMAGE	DAMAGE	DAMAGE
		1 P4 P4 P4 P4 P4 P4 P4	يمو يمور يموز يموز عموز عموز عمور يموز يموز يموز يموز عموز عموز عموز		
	1	11	\$2,578,952	\$2,097,252	\$481,700
	2	14	\$3,784,721	\$2,791,300	\$993,421
	3	36	\$11,763,950	\$10,959,983	\$803,967
	4	37	\$19,977,296	\$18,657,668	\$1,319,628
. :	5 .	· 1	\$1,217,500	\$1,200,000	\$17,500
٠,	6	, 1	\$269,800	\$250,000	\$19,800
**	TOTAL	100	\$39.592.219	\$35,956,203	\$3,636,016

SIONS	DERAIL MENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES	
7	4		1		10		
2	11	1 .	5		6	3	
9	21	6	10	3	12	11	
11	22	4	8	6	14	. 9	
Pe per Per	Pat 100 Pr	1				1	
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29	58	13	24	9	42	25	

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INVOLVEMENT OF TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE

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	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS		TRACK	OTHER	TOTAL
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AMTRAK (NATIONAL RAILROAD PASSENGER CORP.) ATCHISON, TOPEKA AND SANTA FE RAILWAY	2	~~~			5	***	1	Z ===				2	11
·	3					~~~							2
BOSTON AND MAINE CORPORATION	2		~~~		2	3	1	1		~~~			9
BURLINGTON NORTHERN	Ļ C	~~~	~~~				2	~~~ T					9
BALTIMORE AND OHIO RAILROAD COMPANY	0		******	~~~			Z			***			9
CLINCHFIELD RAILROAD	Z	A 34 34	~~~	****	he he he	~~~	7						2
CENTRAL OF GEORGIA RAILROAD COMPANY	P4 P4 P4	Pri pri pri	20 M 20	~~~	he he he	10 M In	1	Po po po	144 MA	74 Pe 24	74 PH PH	200 300 300	ī
CINCINNATI, NEW ORLEANS & TEXAS PACIFIC	- r- r-	and and ma	tes tes jes	~~~	- Po Po		~~~	1	he he he	340 340 340	~~~		1
CHICAGO AND NORTH WESTERN TRANSPORTATION	~~~	74 pc pc		~~~	~~~	2	~~~	~~~	pu pu pu	Are \$100 \$100	in to in	1	3
CHESAPEAKE AND OHIO RAILWAY COMPANY	5		\$40 \$40 \$40	ten ten ten	1	1	3	2	Pro \$10 \$10	\$100 PM	Per 200 200	PU PU PU	12
CONSOLIDATED RAIL CORPORATION	11	pe he he	Per 300 300	Pr	1	1	2	\$10 PM	\$00 \$00 \$00	he he he		Ann has had	15
COLORADO AND SOUTHERN RAILWAY	3		200 Des 200	200 200 200	****	~~~	1		PH PH PH	Pr 300 No.	}~ >~ >~	Per 3rd 3rd	4
CENTRAL VERMONT		20 TO 20	\$100 PM \$100	~~~		~~~		1	\$40 \$40 \$40	~~~			, T
DULUTH, MISSABE AND IRON RANGE RAILWAY		7- 3- 3-	A- A- A-		1		24 14 14	24 24 24 24 24 24	pa 300 \$10			~~~	Ţ
GRAND TRUNK WESTERN RAILROAD COMPANY	2	***	~~~)- y- y-	\$40 PM PM		he he he he he he	3	~~~				<i>L</i>
ILLINOIS CENTRAL GULF RAILROAD	, ,	and the last	~~~	~~~	he he he	1	1			~~~			4 5
KANSAS CITY SOUTHERN RAILWAY COMPANY	4	Per 100 100	mmin				1	~~~					1
LOUISIANA & ARKANSAS RAILWAY COMPANY	1	-			PO PO PO	~~~	1	1			~~~		7
LONG ISLAND RAILROAD	,	No pos po-	~~~		1			T		~~~			7
LOUISVILLE AND NASHVILLE RAILROAD COMPANY	4	~ ~ ~	1- P- P-		1		1	2	~~~		~~~	*	,
MAINE CENTRAL RAILROAD COMPANY	24 04 04	pe he he	***	74 PV PV	he he he	24 24 24	1		to be to	~~~	20 20 20	~~~	1
CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC	~~~	THE SEC SEC	~~~	he he he	240 240 240	. See her her	3	to be to	he he he	to to to	~~~	1	4
MISSOURI PACIFIC RAILROAD COMPANY	5	pe he he	200 200 200	200 km km	Po 310 310		1	he he he	he he he	~~~		2	8
NORFOLK AND WESTERN RAILWAY COMPANY	3	34 M M	he he he	; ;	1	1		240 140 240	~ ~~	he he he		he he he	5
SEABOARD COAST LINE RAILROAD	2	****		Per 100 100			1	he he he	~~~	he he he		~~~	3
SOUTHERN RAILWAY COMPANY	2	the per yes	he he he	200 ton 300		~~~	Per 100 100	Pr pr pr	~~~	300 per 300	Jan 200 Jan	2	4
SOUTHERN PACIFIC TRANSPORTATION COMPANY	. 3	74 pu pu	Des Des Des	ten ten ten	2	. 3	100 Per 100	. pa pa 50	~~~	~~~	he he he	2	10
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WESTERN PACIFIC RAILROAD COMPANY	1		- minin	~~~	~~~)- t- t-	\$40 PM \$40	200 200 200	he he he	200 200 200	Ţ
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REPORT NUMBER	RAILROAD CODE	ACCIDENT LOCATIO	N	DATE	PAGE
1	CO	KANAWHA FALLS	WV	01/03/81	 1
2	LN	CRESTVIEW	FL	01/05/81	1
3	UP/	KELSO	CA	01/07/81	1
_	ATK	1111111	011	01/0//01	-
4	ВО	POINT PLEASANT	WV	01/08/81	2
5	NW	ANGOLA	NY	01/09/81	2 2 2
5 6	LI	MILL NECK	NY	01/14/81	2
7	BN	STOCKHOLM	WI	01/14/81	3
8	KCT/ ATSF	KANSAS CITY	MO	01/18/81	3
9	ICG	NORTH OBION	TN	01/22/81	4
10	BN	WHITMAN	NE	01/27/81	4
11	SP	WASH	CA	01/31/81	4
12	LA/	NEWROADS	LA	02/01/81	5
	MP	112111101100	771	02/01/01	-
13	ВО	GERMANTOWN	MD	02/09/81	5
14	SCL/	ORLANDO	FL	02/15/81	5
	ATK				
15	CR	RIVER ROUGE	MI	02/18/81	6
16	CO	RANGER	WV	02/18/81	6
17	ATSF	DALLAS	TX	02/20/81	6
18	BN/ ATK	BLACKTAIL	MT	02/27/81 /	7
19	CO	CLIFFORD	MI	02/27/81	7
20	ATK	CHEVERLY	MD	02/28/81	7
21	ATSF / MP	GARNETT	KS	03/04/81	8
22	LN	CROFTON	KY	03/14/81	8
23	во	BROAD FORD	PA	03/15/81	8
24	WM	SCHELL	WV	03/18/81	9
25	SP	DRAGOON	AZ	03/21/81	9
26	CR/	FREE	IN	03/24/81	9
27	MILW MILW/ CR	ENOS	IN	03/25/81	10
28	UP	ISLEN	NV	03/26/81	10
29	NW	BLUESTONE	WV	03/31/81	10
30	CO	BUCHANAN	٧A	03/31/81	11
31	CCO	BOSTIC	NC	04/01/81	11
32	SP	BERGS	TX	04/03/81	. 11
33	SP / MP	EL PASO	TX	04/14/81	12
34	SP	MOSCOW	TX	04/16/81	12
35	LI	COLD SPRING HARBOR	NY	04/16/81	12
36	ATSF	SUMMIT	CA	04/26/81	13
37	ICG	DOWELL	IL	05/03/81	13
38	CR	ALLENTOWN	PA	05/20/81	13
39	SP	SURF	CA	05/22/81	14

REPORT NUMBER	RAILROAD CODE	ACCIDENT LOCAT	ION	DATE	PAGE
40		***************************************	***************************************		שין שין שין שין שין שין שין שין מין מין מין מין מין מין מין מין מין מ
40	MP/	HOPE	AR	05/22/81	14
41	ATK SCL/	LOCHLOOSA	${ t FL}$	05/26/81	1 5
41	ATK	LOCHLOOSA	FL	03/26/61	15
42	SCL	BRADLEY	FL	05/31/81	15
43	SCL	BOSTIC	NC	06/03/81	15
44	GTW	DURAND	MI	06/04/81	16
45	ICG	YAZOO	MS	06/15/81	16
46	ATK/	LANDOVER	MD	06/26/81	16
	CR		1115	00/20/01	
47	ICG/	ANNA	IL	06/30/81	17
• • •	ATK			00,00,02	
48	CS	TRINIDAD	CO	07/03/81	17
49	ВО	VAN VORHIS	WV	07/04/81	17
50	MILW	MEDARY	WI	07/09/81	18
51	CR	LEWISBURG	OH	07/10/81	18
52	CR	WEST DANBY	NY	07/11/81	19
53	CO	WAUGH	VA	07/17/81	19
54	MP	GLENWOOD	AR	07/20/81	19
55	MILW	ROUND LAKE	IL	07/22/81	20
56	CO	MR CABIN	ОН	07/26/81	20
57	CR	KENMORE	NY	08/02/81	20
58	CO	BRIDGMAN	MI	08/07/81	21
59	BN	HAWLEY	MN	08/09/81	21
60	BM	PRIDES	MA	08/11/81	21
61	CS	DES MOINES	NM	08/18/81	22
62	MP	ALLENHURST	TX	08/30/81	22
63	SSW	CAMDEN	AR	08/31/81	22
64	CR	MORRISVILLE	PA	09/01/81	23
65	BM /	NORTHAMPTON	MA	09/05/81	23
	ATK	CD 4 GG 7 4 777	.	00 100 101	22
66	SP	GRASS LAKE	CA	09/08/81	23
67	CR	ASHTABULA	ОН	09/09/81	24
68	ATSF	EDMOND	OK	09/10/81	24
69	WP/	ALAZON	NV	09/12/81	24
70	SP	TOLAND	70.37	00 /1 2 /01	0.5
70 71	ATSF	TOLAND	TX	09/13/81	25 25
	SOU	SUGAR VALLEY	GA.	09/14/81	25 25
72	ICG / ATK	FRENIER	LA	09/14/81	
73	SOU	HUNTSVILLE	\mathtt{AL}	09/15/81	26
74	MP	DONALDSONVILLE	LA	09/24/81	26
75 7.1	CNW	JEFFERSON JCT.	WI	09/25/81	26
76	DMIR	WILPEN	MN	09/28/81	27
77 70	KCS	BLOOMBURG	TX	09/28/81	27 27
78 70	BN	MARYSVILLE	WA	10/05/81	27 28
79	ATK CR	NEWARK	NJ	10/10/81	20

REPORT	RAILROAD					
NUMBER	CODE	ACCIDENT LOCATION	ом	DATE	PAGE	
		: مدو				- >-
80	MP	RANTOUL	KS	10/10/81	28	
81	CNW	LAKE BLUFF	IL .	10/24/81	28	
82	SOU	BARBER	NC	10/27/81	29	
83	MEC	MILES POND	VT	10/28/81	29	
84	во	KELLOGG	NY	10/31/81	30	
85	BN	HERON	MT	11/01/81	30	
86	ATSF	JOSEPH CITY	AZ	11/03/81	3 0	
87	CNTP	RATHBURN	TN	11/05/81	31	
88	CGA	WAYNESBORO	GA	11/22/81	31	
89	CV	MILLERS FALLS	MA	11/24/81	31	
90	CR	TYRONE	PA	11/28/81	32	
91	NW	CREWE	VA	11/28/81	32	
92	LN	NOKOMIS	\mathtt{AL}	12/01/81	32	
93	BN	HARLEM	MT	12/07/81	33	
94	BN	RAMSEY	1D	12/07/81	33	
95	ATSF	CLIFTON	TX	12/11/81	33	
96	KCS	SPIRO	oĸ	12/12/81	34	
97	CO	MACCORKLE	WV	• •	34	
98	LN	ROBINSON	KY	12/21/81	34	
99	KCS	JOPLIN	МО	12/22/81	35	
100	LN	NEW JOHNSONVILLE	TN	12/28/81	35	

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT	TYPE		KILLED	INJUE	RED	RR DAMAGE
СО	01/03/81	9:31 AM	KANAWHA	FALLS	wv	DERAILME	NT ·		0	. 0		\$403,000
1 ·	EQUIPMENT	FRACK: OPERATION DERAILED:	-	MAIN 3 TRAFFIC CONTROL 48 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN		x7518	37 МРН
	PROBABLE (CAUSE: UNI	DETERMINE	D								
LN	01/05/81	7:40 AM	CRESTVIE	w	FL	REAR~END	COLLISION		0			\$206,000
2				MAIN 4 YARD RULES 1 LOCOMOTIVE(S		MOVEMENTS	INVOLVED:	FREIGHT FREIGHT	TRAIN TRAIN		X4114 466	5 MPH 10
	PROBABLE (CAUSE: FA	ILURE OF	BOTH TRAIN CREWS T	O OPERATE T	HE TRAINS	IN ACCORDA	NCE WITH	YARD LIM	IT RUI	LE.	
UP ATK	01/07/81	11:45 AM	KELSO	\$4 parts parts parts and the parts and the ball the balls.	CA	DERAILME	NT	ion to the fore fore the to the fore	0	0	, ,	\$1,200
3		TRACK: OPERATION		SIDING 2 TRAFFIC CONTROL -2 LOCOMOTIVE(S		MOVEMENTS	INVOLVED:	PASSENG	ER TRAIN		35	5 МРН
** ** ** ** ** ** ** ** ** ** **	PROBABLE (CAUSE: MAI	NUAL OPER	ATION OF A DERAIL	UNDER THE L	EAD LOCOMO	rive.					

DATE	TIME	CITY	a two and	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
01/08/81	6:00 AM	POINT PL	EASANT	WV	DERAILMENT	0	0	\$111,700
TYPE OF T	RACK:		MAIN					
			2					
			TIME TABLE TRAIN ORDER 7 CAR(S)	RS	MOVEMENTS INVOLVED: H	REIGHT TRAIN	103	26 MPH
PROBABLE	CAUSE: BRO	OKEN RAII	, HEAD AND W	EB SEPARATION	(OUTSIDE JOINT BAR LIMITS	3).		
01/09/81	2:45 AM	ANGOLA	a tra tra tra tra tra tra tra tra tra tr	NY	DERAILMENT	0	0	\$246,425
TYPE OF T	RACK:		MATN					
CLASS OF	TRACK:		4					
			2 LOCOMO	TIVE(S)	MOVEMENTS INVOLVED: F	FREIGHT TRAIN	X1517	47 MPH
PROBABLE	CAUSE: BRO	OKEN WHEE	L ON LOCOMOT	IVE (NW 2911).				
01/14/81	5:30 PM	MILL NEC	K	NY	DERAILMENT	0	0	\$23,700
TVPF OF T	BACK.		MATN					
			3					
METHOD OF	OPERATION:		MANUAL BLOC	CK	MOVEMENTS INVOLVED: P	ASSENGER TRAIN	558	40 MPH
EQUIPMENT	DERAILED:		1 LOCOMOT 4 CAR(S)	rive(s)				
	O1/O8/81 TYPE OF T CLASS OF METHOD OF EQUIPMENT PROBABLE O O1/O9/81 TYPE OF T CLASS OF METHOD OF EQUIPMENT PROBABLE O O1/14/81 TYPE OF T CLASS OF METHOD OF EQUIPMENT	O1/O8/81 6:00 AM TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION EQUIPMENT DERAILED: PROBABLE CAUSE: BRO O1/O9/81 2:45 AM TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION EQUIPMENT DERAILED: PROBABLE CAUSE: BRO O1/14/81 5:30 PM TYPE OF TRACK: CLASS OF TRACK: CLASS OF TRACK:	O1/08/81 6:00 AM POINT PL TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: PROBABLE CAUSE: BROKEN RAIL O1/09/81 2:45 AM ANGOLA TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: PROBABLE CAUSE: BROKEN WHEE O1/14/81 5:30 PM MILL NEC TYPE OF TRACK: CLASS OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	O1/O8/81 6:00 AM POINT PLEASANT TYPE OF TRACK: MAIN CLASS OF TRACK: 2 METHOD OF OPERATION: TIME TABLE EQUIPMENT DERAILED: 7 CAR(S) PROBABLE CAUSE: BROKEN RAIL, HEAD AND W O1/O9/81 2:45 AM ANGOLA TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC COMBEN CO	O1/O8/81 6:00 AM POINT PLEASANT WV TYPE OF TRACK: MAIN CLASS OF TRACK: 2 METHOD OF OPERATION: TIME TABLE TRAIN ORDERS FOULPMENT DERAILED: 7 CAR(S) PROBABLE CAUSE: BROKEN RAIL, HEAD AND WEB SEPARATION O1/O9/81 2:45 AM ANGOLA NY TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC CONTROL EQUIPMENT DERAILED: 2 LOCOMOTIVE(S) 29 CAR(S) PROBABLE CAUSE: BROKEN WHEEL ON LOCOMOTIVE (NW 2911). O1/14/81 5:30 PM MILL NECK NY TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN TYPE OF TRACK: TIME TABLE EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)	O1/08/81 6:00 AM POINT PLEASANT WV DERAILMENT TYPE OF TRACK: MAIN CLASS OF TRACK: 2 METHOD OF OPERATION: TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 7 CAR(S) PROBABLE CAUSE: BROKEN RAIL, HEAD AND WEB SEPARATION (OUTSIDE JOINT BAR LIMITS O1/09/81 2:45 AM ANGOLA NY DERAILMENT TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FEW SEPARATION (OUTSIDE JOINT BAR LIMITS) PROBABLE CAUSE: BROKEN WHEEL ON LOCOMOTIVE(S) 29 CAR(S) PROBABLE CAUSE: BROKEN WHEEL ON LOCOMOTIVE (NW 2911). O1/14/81 5:30 PM MILL NECK NY DERAILMENT TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN CLASS OF TRACK: MAIN TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN TYPE OF TRACK: MOVEMENTS INVOLVED: FIND THE TRACK: MAIN TYPE OF TRACK:	DATE TIME CITY STATE ACCIDENT TYPE KILLED 01/08/81 6:00 AM POINT PLEASANT WV DERAILMENT 0 TYPE OF TRACK: CLASS OF TRACK: MAIN CLASS OF TRACK: METHOD OF OPERATION: TRAIN ORDERS TO CAR(S) PROBABLE CAUSE: BROKEN RAIL, HEAD AND WEB SEPARATION (OUTSIDE JOINT BAR LIMITS). 01/09/81 2:45 AM ANGOLA NY DERAILMENT 0 TYPE OF TRACK: MAIN CLASS OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: 2 LOCOMOTIVE(S) 29 CAR(S) PROBABLE CAUSE: BROKEN WHEEL ON LOCOMOTIVE (NW 2911). 01/14/81 5:30 PM MILL NECK NY DERAILMENT 0 TYPE OF TRACK: CLASS OF TRACK: MAIN CLASS OF TRACK: MAIN O1/14/81 5:30 PM MILL NECK NY DERAILMENT 0 TYPE OF TRACK: CLASS OF TRACK: MAIN TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN THE TABLE EQUIPMENT DERAILED: 1 LOCOMOTIVE(S) EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)	01/08/81 6:00 AM POINT PLEASANT WV DERAILMENT 0 0 TYPE OF TRACK: MAIN CLASS OF TRACK: 2 METHOD OF OPERATION: TIME TABLE MOVEMENTS INVOLVED: FREIGHT TRAIN 103 EQUIPMENT DERAILED: 7 CAR(S) PROBABLE CAUSE: BROKEN RAIL, HEAD AND WEB SEPARATION (OUTSIDE JOINT BAR LIMITS). 01/09/81 2:45 AM ANGOLA NY DERAILMENT 0 0 TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FREIGHT TRAIN X1517 EQUIPMENT DERAILED: 2 LOCOMOTIVE(S) 29 CAR(S) PROBABLE CAUSE: BROKEN WHEEL ON LOCOMOTIVE (NW 2911). 01/14/81 5:30 PM NILL NECK NY DERAILMENT 0 0 TYPE OF TRACK: MAIN CLASS OF TRACK: MAIN CLASS OF TRACK: MAIN STORM WHEEL ON LOCOMOTIVE (NW 2911).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLEI	O INJURED	RR DAMAGE				
BN	01/14/81	6:20 PM	STOCKHOLM	WI	DERAILMENT	0	3	\$40,000				
7	CLASS OF	RACK: TRACK: OPERATION	4		MOVEMENTS INVOLVED:	FREIGHT TRAIN	N X7	/128 57 МРН				
	EQUIPMENT	DERAILED:	1 CABOOSE(S)									
	PROBABLE CAUSE: A FREIGHT CONTAINER FELL FROM FLAT CAR TTAX 971383.											
De De las Da des des las des les des	CONTRIBUTING FACTOR: INSUFFICIENT SPRING TENSION IN SELF-RELEASING PEDESTAL LATCH MECHANISMS SERVING AS HOLD-DOWN DEVICES ON THREE OF FOUR PEDESTALS SECURING 20-FOOT CONTAINER KKLU 264041 TO THE FLOOR OF FLAT CAR TTAX 971383. ABSENCE OF CARRIER METHOD AND MEANS TO INSPECT AND DETECT WEAK PEDESTAL LATCH MECHANISM HOLD-DOWN DEVICES.											
KCT ATSF	01/18/81	11:00 PM	KANSAS CITY	МО	DERAILMENT	0	0	\$366,000				
8	CLASS OF METHOD OF	OPERATION	2		MOVEMENTS INVOLVED:	FREIGHT TRAIN		2003 15 MPH 3016 16				
	PROBABLE		PROPER USE OF THE INDEPEND REE CARS FROM EXTRA 2003 E	-		OME OF THE DE	RAILED CARS	STRUCK AND DERAILED				
	CONTRIBUT	ING FACTOR	: TRACK PROFILE AND TRAIREAR.	N MAKE-UP WI	TH 25 EMPTY FLAT CAR	S ON THE FRONT	r end and lo	DADED CARS ON THE				

CODE	DATE	TIME	CITY	مع ميم ميم ويين ميم ويين بينو مين مين ميم ميم ميم ميم ميم وييم	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	01/22/81	12:45 PM	NORTH OBI	ON	TN	DERAILMENT	. 0	4	\$811,300
		RACK:		MAIN		r			
	CLASS OF			4		•			
9	METHOD OF	OPERATION	:	TRAFFIC CONTRO	L	MOVEMENTS INVOLVED:			45 MPH
a a	EQUIPMENT	DERAILED:		6 LOCOMOTIVE 34 CAR(S)	(S)		WORK TRAIN	BURRO	0
						,	•		
	PROBABLE	CAUSE: AN	UNIDENTIF	IED OBJECT DRAG		E RAILS UNDERNEATH THE 1			na dan dan dan dan dan dan dan dan dan d
BN	01/27/81	3:20 PM	WHITMAN	. ,	NE	REAR-END COLLISION	0	1	\$206,500
	01/2//01	3.20 111	WILLIIM			A LE SUND		-	, — , , , , , , , , , , , , , , , , , ,
•			•		4			*	•
	TYPE OF T			MAIN					
	CLASS OF	TRACK:		4 TRAFFIC CONTRO	•	MOVEMENTS INVOLVED:	EDETCHE TOATN	¥7002	О МРН
-10	METHOD OF	OPERATION	•	TRAFFIC CONTRO	L :	MOVEMENTS INVOLVED:	FREIGHT TRAIN	x7221	33
	EQUIPMENT	DERAILED:		1 LOCOMOTIVE 2 CAR(S) 1 CABOOSE(S)			PALIGHT TAXIN	A/ZZI	33
				HE CREW OF THE OPERATING RULES	• ,	TRAIN (EXTRA 7221 EAST)			
SP	01/31/81	12:30 PM	WASH		CA	OBSTRUCTION	1	3	\$0
				MATN.	4				
	TYPE OF T			MAIN 4					-
11		OPERATION	:	TRAFFIC CONTRO	L	MOVEMENTS INVOLVED:	FREIGHT TRAIN	x8333	45 MPH
	EQUIPMENT	DERAILED:		NONE					
· ,	PROBABLE	CAUSE: FA	LLURE OF T	HE CONTRACTOR T	O MOVE THE	BOOM OF THE CRANE CLEAR	R OF THE TRACK.		

CODE	DATE	TIME	~ ~ ~ ~ .	CITY	us true true true true true true true true	STATE	ACCIDENT	TYPE		KILLED	INJU	JRED	RR DAMAGE
LA MP	02/01/81	4:51	PM	NEWROADS		LA	HEAD-END	COLLISION		0	6		\$250,000
	TYPE OF T	RACK:			MAIN								
	CLASS OF	TRACK:			3					,			
12	METHOD OF	-			TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	FREIGHT FREIGHT			EX618 X2227	5 MPH 10
	EQUIPMENT	DERAI	LED:		2 LOCOMOTIVE	E(S)							
					3 CAR(S) 1 CABOOSE(S))	·		ŗ				
	PROBABLE	CAUSE:	WOI	RK EXTRA 2	2227 OCCUPIED TH	IE MAIN TRAC	K WITHOUT PRO	TECTION.					
			•		•		* .			٠	-	•	
	CONTRIBUT	ING FA	CTOR	: MISLE	ADING RADIO CONV	ERSATION WI	TH LA CLERK~	PERATOR.					
	.; 	Pa Pa Pa Pa Pa Pa		~~~~~~	na tra tra tra tra tra tra tra tra tra tr	, , , , , , , , , , , , , , , , , , , ,	s par par bar sas par bar waren fan sas bar bar ba	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
во	02/09/81	9.56	ΔМ	CEPMANTO	JN	MD	HEAD-END	COLLISION		0	4		\$687,600
20	02/03/01	,		OLIMINIO	*11		HEAD END	OUDDIDION		Ü	7		\$007 , 000
	TYPE OF T	RACK:			MAIN							w-	
	CLASS OF			•	4		•		•	•			,
13	METHOD OF	OPERA'	TION	:	MANUAL BLOCK AUTOMATIC BLOC		MOVEMENTS	INVOLVED:	FREIGHT FREIGHT			X3773 X7603	24 MPH 30
	,				TIME TABLE TRAIN ORDERS								
	EQUIPMENT	DERAI	LED:		4 LOCOMOTIVE	E(S)	•						•
		•	,		1 CAR(S)				•	,			
	PROBABLE	CAUSE:			TCHER AUTHORIZEI F OPPOSING TRAIN					BEFORE À	SCERT	AINING TH	IAT THE TRAC
	ang ting that time that the ting that the	740 Fee 540 Fee 540	~~~~	Pro Pro Pro Pro Pro Pro Pro Pro	ا عمر اسم سم سم اسم اسم اسم اسم اسم اسم اسم ا	u va þa tu ba þa þa hu ba ba ba ba	و الحال عمل المال عمل عمل المال عمل ومال ومال المال المال عمل ومال ا	~ 14 54 54 54 54 54 54 54	**************************************				u tra
SCL ATK	02/15/81	2:33	PM	ORLANDO		FL	DERAILME	NT		0	0		\$8,321
	TYPE OF T				MAIN								
					2								
14	CLASS OF METHOD OF				AUTOMATIC BLOC			INVOLVED:	- 4	~~ ~~	-	87	23 MPH

CODE	DATE	TIME	~ •~ •~ •	CITY	بن بنان عام عام بنان الما إنها إنها عام بنان الما عام عام الما إنها عام الما الما	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	02/18/81	2:10	AM	RIVER	ROUGE	MI	SIDE COLLISION	0	0	\$24,500
15	TYPE OF T CLASS OF METHOD OF	TRACK:			YARD 1 YARD RULES		MOVEMENTS INVOLVED: YA	ARD/SWITCHING ARD/SWITCHING	X1639 X7513	2 MPH 2
	EQUIPMENT	DERAI	LED:		7 CAR(S)			,		
	PROBABLE	CAUSE:	FA.	LURE (OF THE CREW OF EX	TRA 7513 TO	OPERATE IN COMPLIANCE WITH	I CARRIER OPER	ATING RULES.	
	CONTRIBUT	ING FAC	CTOR		ASSISTANT TRAIN		ED THE YARDMASTER'S INSTRU	CTIONS WITHOUT	r notifying Ai	LL PERSONNE
•~~~~	دو وماو وماو وماو عدد عدد وماو وماو ومار وماره	, pages and pages (10)	~~~~		ما ومن ومن ومن امن المن ومن المن المن المن المن المن المن المن ال			n her her her her hel hel hel her her her her he	na na na hai hai hai hai hai ha na na na na na hai hai h	ينج عمل عمل عمل عمل عمل معل عمل عمل عمل عمل
СО	02/18/81	10:30	AM	RANGE		wv	DERAILMENT	0	0	\$161,400
	TYPE OF I				MAIN					
16	CLASS OF METHOD OF			:	3 AUTOMATIC BL TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FF	REIGHT TRAIN	X2316	38 МРН
	EQUIPMENT	DERAI	LED:		2 LOCOMOTI 38 CAR(S)					
	PROBABLE	CAUSE:	RIO	GID TRI	ICK UNDER LOCOMOT	IVE (NO. 826	5) WOULD NOT NEGOTIATE THE	: 8-degree cur	VE.	
							ER CASTING OF THE NO. 2 TE			
ATSF	02/20/81	4:50	PM	DALLA		TX	DERAILMENT	0	0	\$615,000
	TYPE OF I	RACK:			MAIN					
		TRACK:	ΓŤΩN-	:	1 TRAFFIC CONT. 2 LOCOMOTI		MOVEMENTS INVOLVED: FF	REIGHT TRAIN	X5146	10 MPH

CODE	DATE	TIME		CITY	ساجد عن يند بند پنر چن ده ده اند اند اند و ده و ده و ده و ده ده	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN ATK	02/27/81	9:48	AM	BLACKTAIL		MT	DERAILMENT	0	51	\$616,000
	TYPE OF T	RACK:			MAIN					
	CLASS OF				3		MONTH TOTAL TOTAL TOTAL	Discourage waity		0 00 100
18	METHOD OF	OPERAT	'ION:		AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	PASSENGER TRAIN		8 33 MPH
	EQUIPMENT	DERAIL	ED:		2 LOCOMOTIVE(S 7 CAR(S))				
	PROBABLE	CAUSE:	EXC	CESSIVE LA	TERAL FORCE AGAIN	IST THE SO	UTH RAIL ON AN 8-DEGREE	CURVE.		
со	02/27/81	3:45	PM	CLIFFORD		MI	DERAILMENT	0	0	\$386,000
	TYPE OF T	RACK:			MAIN					
	CLASS OF	TRACK:			3					
19	METHOD OF	OPERAT	CION	-	MANUAL BLOCK TIME TABLE		MOVEMENTS INVOLVED:	FREIGHT TRAIN	SA	37 40 MPH
	EQUIPMENT	DERAII	ED:		TRAIN ORDERS 1 LOCOMOTIVE(S 37 CAR(S)	3)				
	PROBABLE	CAUSE:	вог	LT HOLE BR	EAK IN 100-POUND	RAIL.				
ATK	02/28/81	9:10	PM	CHEVERLY	. 14 14 14 14 14 14 14 14 14 14 14 14 14	MD	OBSTRUCTION	1	13	\$269,800
	TYPE OF T	RACK:			MAIN					
	CLASS OF				6					
20	METHOD OF	OPERAI	rion:	:	AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	PASSENGER TRAIN		175 90 MPH
	EQUIPMENT	DERAII	LED:	. •	1 LOCOMOTIVE(3)				
	PROBABLE	CAUSE:	AU'	COMOBILE F	ELL ONTO TRACK II	THE PATH	OF APPROACHING TRAIN.			

R CODE	DATE TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF MP	03/04/81 8:07 PM	GARNETT	KS	RR GRADE CROSSING	0	0	\$28,000
	TYPE OF TRACK:	MAIN					
21	CLASS OF TRACK: METHOD OF OPERATION:	2 INTERLOCKING TRAFFIC CONTI YARD RULES		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X3601 X3098	10 MPH 3
	EQUIPMENT DERAILED:	1 LOCOMOTIV 2 CAR(S)	VE(S)				
				(EXTRA 3098) TO COMPLY REQUIRED BY CARRIER OP			PLAYED BY
LN	03/14/81 1:55 AM	CROFTON	KY	DERAILMENT	0	0	\$106,000
	TYPE OF TRACK:	MAIN					
22	CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	2 TRAFFIC CONTI 12 CAR(S)	ROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	718	23 MPH
				7 (W. 1(011)			
	CONTRIBUTING FACTOR:		TO 23 MPH WH	ILE NEGOTIATING A 4-DEG ES WHICH AMOUNTED TO A			
			ne tou toe tou tou tou tou tou tou tou tou tou	The first fi	the fire the the fire the tire the tree tire the pre-tire	that the time that the time time time time the time time time.	the tre tre tre too too too too too too too
		BROAD FORD	PA	REAR-END COLLISION	0	2	\$152,200
во	03/15/81 8:20 AM						
во	TYPE OF TRACK:	MAIN					
BO 23		MAIN 4 AUTOMATIC BLO		MOVEMENTS INVOLVED:		X4213	5 МРН
	TYPE OF TRACK: CLASS OF TRACK:	MAIN 4 AUTOMATIC BLO TIME TABLE TRAIN ORDERS 5 LOCOMOTIV	OCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X4213 X4221	5 MPH 25
	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	MAIN 4 AUTOMATIC BLO TIME TABLE TRAIN ORDERS	OCK	MOVEMENTS INVOLVED:			
	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	MAIN 4 AUTOMATIC BLC TIME TABLE TRAIN ORDERS 5 LOCOMOTIV 10 CAR(S)	OCK VE(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X4221	25

CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WM	03/18/81	9:45 PM	SCHELL	1	wv	DERAILMENT	0	0	\$401,600
	TYPE OF T	RACK:		MAIN					
0./	CLASS OF		NY 2 ^{† '}	2	,	MOVEMENTS INVOLVED: FR	ሮፕሮህጥ ጥይልፒክ	X3555	26 MPH
24	METHOD OF		•	TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED. PR	EIGHI IRAIN	CCCCV	20 mm
	EQUIPMENT	DERAILEI) :	3 LOCOMOTIVE(S 27 CAR(S)	3)				
	PROBABLE	CAUSE: U	INDETERMINE	D					
SP	03/21/81	5:40 AN	i DRAGOON		AZ	DERAILMENT	0	0	\$125,350
	TYPE OF T	'RACK:		MAIN					
25	CLASS OF METHOD OF EQUIPMENT	OPERATIO		3 TRAFFIC CONTROL 23 CAR(S)		MOVEMENTS INVOLVED: FR	EIGHT TRAIN	X8824	60 мрн
	PROBABLE		FAILURE OF INSTRUCTION		TO CONTRO	L THE SPEED OF THE TRAIN	IN ACCORDANCE	WITH TIMETABL	E SPECIAL
			u tra tra tra tra tra tra tra tra			ومن			
CR MILW	03/24/81	3:35 AM	i FREE		IN	DERAILMENT	0	0	\$90,750
CR MILW	03/24/81 TYPE OF T		i FREE	MAIN	IN	DERAILMENT	0	0	\$90,750
MILW	TYPE OF T	RACK:		MAIN 3	IN				
	TYPE OF T	RACK:		MAIN	IN	DERAILMENT MOVEMENTS INVOLVED: FR			\$90,750 28 MPH

RR CODE	DATE	TIME		CITY	من و سان من و من و سان	STATE	ACCIDENT TYPE		CILLED	INJU	RED	RR DAMAGE
MILW CR	03/25/81	7:40	AM	ENOS		IN	DERAILMENT		2	2		\$7 , 687
	TYPE OF T				MAIN							
	CLASS OF	TRACK:			3							
27					MANUAL BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT	TRAIN	•	EX 7	32 MPH
	EQUIPMENT	DERAII	LED:	*	2 CAR(S)							
	PROBABLE	CAUSE:	BR	OKEN JOINT	BARS ON THE 127	-POUND JOINT	TED RAIL.					
UP	03/26/81	9:45	PM	ISLEN		nv	DERAILMENT	han jan 140 140 140 jan jan 440 bi	0	5	yee that the two yee yes the ye	\$222,000
	TYPE OF T	RACK:			SIDING							
	CLASS OF				1							
28	METHOD OF	OPERAT	CION	:	TRAFFIC CONTROL							
	EQUIPMENT	DERAII	ED:		2 LOCOMOTIVE(S	5)		FREIGHT	TRAIN		X4700	20
	PROBABLE	CAUSE:	OF	THE DERAIL	•		NG) BY CREW OF EXTRA : MAIN TRACK AND WERE					
NW	03/31/81	7:10	AM	BLUESTONE		wv	DERAILMENT	na ina and ina ina ana ana ana ina ina	0	0	900 tra tra 900 900 900 900 900	\$481,600
	TYPE OF T	RACK:			MAIN							
	GT 4 GG 6 G	TRACK:			2							
	CLASS OF				TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT	TRAIN		24PJB	
29	METHOD OF EQUIPMENT			•	52 CAR(S)							40 MPH
29	METHOD OF EQUIPMENT	DERAIL	ED:		52 CAR(S)		RAIN WITHIN THE TIME			_		40 мрн

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE		KILLED	INJURED	RR DAMAGE
со	03/31/81	8:30 AM			VA _.	DERAILMENT		0	0	\$453,600
30			:	MAIN 3 TRAFFIC CONTROL 2 LOCOMOTIVE(S 41 CAR(S))	MOVEMENTS INVOLVED	: FREIGHT	TRAIN	X230	О 30 МРН
	PROBABLE (CAUSE: IMI	PROPER TRAC	K ELEVATION AND	WIDE GAUGE	IN A 8-DEGREE, 30-M	INUTE CUE	RVE.		,
	CONTRIBUT	ING FACTOR				NCHES OFF THE HEAD. ND THE TIE PLATES HA			S IN THE A	CCIDENT AREA WERE
					~~~~~~				~~~~~~~~~	
CCO	04/01/81	12:20 AM	BOSTIC	•	NC	SIDE COLLISION		0	0	\$244,017
31			:	MAIN 3 TRAFFIC CONTROL 4 LOCOMOTIVE(S) 9 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT FREIGHT	TRAIN TRAIN	X3618 X3619	3 20 MPH 3 4
	PROBABLE (	CAUSE: FA	ILURE OF CR	EW (EXTRA 3619)	TO OPERATE	THE TRAIN IN ACCORDA	ANCE WITH	SIGNAL I	NDICATION.	
SP	04/03/81	11:45 PM	BERGS	nce had that that the the time then the time that the time the time the time the	TX	RAIL-HWY CROSSING		5	0	\$377,600
32			:	MAIN 2 YARD RULES FIME TABLE FRAIN ORDERS 16 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT	TRAIN	X5543	3 18 МРН
	PROBABLE (	CAUSE: FA	LURE OF TH	E OPERATOR OF THE	E MOTOR VEH	ICLE TO STOP AT THE	RAIL~HIG	HWAY CROS	SING OCCUP	ED BY THE TRAIN.

CODE	DATE	TIME	CITY	That you had then then then then then then then then	STATE	ACCIDENT	ТҮРЕ	KILLED	INJURED	RR DAMAGE
SP MP	04/14/81	11:30	PM EL PASO		TX	REAR~END	COLLISION	0	3	\$176,300
	TYPE OF T			MAIN						
33	CLASS OF METHOD OF	OPERAT		AUTOMATIC BLOCK YARD RULES TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	LIGHT LOCO(S) FREIGHT TRAIN	X7817 X3021	8 MPH 0
	EQUIPMENT	DERAIL	ED:	4 CAR(S) 1 CABOOSE(S)						
	PROBABLE	CAUSE:		ENGINEER (EXTRA 7	•	PERATE THE LOC	COMOTIVE C	ONSIST AT A SPEED	THAT WOULD	PERMIT STOPPIN
SP	04/16/81	10:30	AM MOSCOW		TX	REAR~END	COLLISION	0	4	\$152,000
	TYPE OF T			MAIN						
34	CLASS OF METHOD OF		TION:	3 TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	FREIGHT TRAIN WORK TRAIN	X3434 X7771	0 MPH 25
	EQUIPMENT	DERAIL	ED:	1 LOCOMOTIVE( 1 CAR(S) 1 CABOOSE(S)	S)					
	PROBABLE	CAUSE:		TRAIN CREW (EXTRA THE FOLLOWING TRA		•				<u>-</u>
	04/16/81	3:53	PM COLD SPR	ING HARBOR	NY	DERAILME	NT	0	0	\$67,337
	TYPE OF T			MAIN						
35	CLASS OF METHOD OF		TION:	4 INTERLOCKING CAB SIGNAL TRAFFIC CONTROL AUTO TRAIN CONT		MOVEMENTS	INVOLVED:	PASSENGER TRAIN	1658	45 МРН
	EQUIPMENT	DERAIL	ED:	4 LOCOMOTIVE						
			PERSON(S) U						•	

CODE	DATE TIME CITY	ne the time time time time time time time tim	s the tree tree tree tree tree tree tree	then then then then then then then then	w the tree tree tree tree tree tree tree		the the tree tree the the the tree tree
TSF	04/26/81 4:15 AM SUMMIT		CA	DERAILMENT	0	1	\$780,000
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK:	2					
36	METHOD OF OPERATION: EQUIPMENT DERAILED:	TRAFFIC CONTROL 48 CAR(S)		MOVEMENTS INVOLVED: F	REIGHT TRAIN	x3397	58 MPH
	PROBABLE CAUSE: FAILURE OF	CREW (EXTRA 3397 W	EST) TO O	PERATE TRAIN IN ACCORDAN	NCE WITH THE 15	MPH SPEED RES	TRICTION.
	CONTRIBUTING FACTOR: DENSE	E FOG.					
	one fine the fine the time time time time time time time tim	one true true true true true true true tru	u tra tra tra tra tra tra tra tra	and	ne the time time time time time time time tim	that the time time time time time time time tim	, to to be to be to be to be
ICG	05/03/81 4:05 AM DOWELL		IL	DERAILMES OF	0	0	\$760,000
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK:	4					
37	METHOD OF OPERATION:	AUTOMATIC BLOCK TIME TABLE		MOVEMENTS INVOLVED: 1	FREIGHT TRAIN	MC-2	50 MPH
	EQUIPMENT DERAILED:	TRAIN ORDERS 47 CAR(S)					
	PROBABLE CAUSE: PLAIN BEAR	ING JOURNAL FAILURI	E AT L1 LC	CATION ON TANK CAR (ACF	x 90873).		
CR	05/20/81 2:05 PM ALLENTO		PA	SIDE COLLISION	0	1	\$22,000
CK	03/20/01 2:03 FM ALLENIO	WIN	IA	SIDE COLLISION		· ·	φ <b>22</b> ,000
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK:	1					
38	METHOD OF OPERATION:	INTERLOCKING		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	ZB11W XSP-1	4 MPH 8
	EQUIPMENT DERAILED:	5 CAR(S)					

RR CODE	DATE	TIME	CITY	Two t	STATE	ACCIDENT TYPE		KILLED	INJURED	RR DAMAGE
SP	05/22/81	4:00 AM	SURF	5	CA	DERAILMENT		0	16	\$1,545,522
39	TYPE OF T	TRACK:		MAIN 4		MANUFACTION TO THE PARTY OF THE	, EDET OUR	mp ATM	<b>V</b> 01	64 60 MPH
39	METHOD OF	OPERATION	•	AUTOMATIC BLOCK YARD RULES TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT FREIGHT	TRAIN	X91 X88 X15	74 0
	EQUIPMENT	DERAILED:		1 LOCOMOTIVE(S 63 CAR(S) 1 CABOOSE(S)	5)					
	PROBABLE		UCK HUNTIN ATION AND		X CAR (SP 6	75381). THE EMPTY BO	OX CAR C	LIMBED TH	E RAIL 50	FEET EAST OF SURI
	CONTRIBUT	ING FACTOR		RRIER'S COMPUTER HE MAXIMUM AUTHOR		EST REVEALED THAT EX	FRA 9164	WEST WAS	BEING OP	ERATED AT 60 MPH
MP ATK	05/22/81	8:00 AM	норе	ton has bee had had had had had men dan dan had had had had	AR	DERAILMENT		0	41	\$63,600
ATK										
	TYPE OF T	TRACK:		MAIN 4						
40	CLASS OF METHOD OF		:		)	MOVEMENTS INVOLVED:	PASSENGI	ER TRAIN	:	21 74 МРН

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SCL ATK	05/26/81	12:30 PM	1 LOCHLOOSA	<b>A</b>	FL	DERAILMENT	0	18	\$239,180
41	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK: OPERATION	ON:	SIDING 4 TRAFFIC CONTROL 1 LOCOMOTIVE 9 CAR(S)		MOVEMENTS INVOLVED: PA	ASSENGER TRAIN	97	75 МРН
	PROBABLE					NDICATION DUE TO THE NORMY LEFT IN THAT POSITION.	MAL SWITCH REP	EATER RELAY BI	EING PLACED I
SCL	05/31/81	5:29 AN	M BRADLEY		FL	DERAILMENT	0	2	\$157,700
42	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK:	ON:	MAIN 2 TIME TABLE TRAIN ORDERS 6 CAR(S) 1 CABOOSE(S)		MOVEMENTS INVOLVED: FE	REIGHT TRAIN	EX363	12 МРН
	PROBABLE		THE BRIDGE I		ITUDINAL FO	RCES IN THE RAIL UNDER TH	HE TRAIN CAUSE	D MOVEMENT OF	BENT NO. 21
scl	06/03/81	5:40 A	M BOSTIC	na (au  jua  jua  jua  jua  jua  jua  jua	NC	HEAD-END COLLISION	0	5	\$247,605
43		TRACK:		3	(s)		REIGHT TRAIN REIGHT TRAIN	X3007 X3625	О МРН 15
	PROBABLE	CAUSE: 1	FAILURE OF T	THE CREW MEMBERS	OF EXTRA 3	625 WEST TO CONTROL THE S	SPEED OF THE T	RAIN IN COMPL	IANCE WITH TH

CODE	DATE	TIME	CITY	s jun jud kus jun jun jun kus jun	STATE	ACCIDENT	ТҮРЕ	KILLED	INJURED	RR DAMAGE
gtw	06/04/81	5:40 AM	DURAND		MI	REAR-END	COLLISION	O	3	\$268,591
	TYPE OF T			MAIN						
44	CLASS OF S	FRACK: OPERATION	•	4 TIME TABLE		MOVEMENTS	INVOLVED:	FREIGHT TRAIN	x4933	3 45 MPH
		DERAILED:		TRAIN ORDERS 2 LOCOMOTIVE			,	CUT OF CARS		0
	PROBABLE (	CAUSE: EI	GHT CARS F	COLLED OUT OF THE	E YARD AND	ONTO THE MAIN	TRACK WH	ERE THEY WERE ST	RUCK BY EXTE	RA 4933 EAST.
	CONTRIBUT	ING FACTOR	: FAILUR SHOVIN OF CAR	IG MOVEMENT, AND	REW TO PROP	PERLY PROTECT THE YARD CRI	THE LEADI	NG END OF THE CU Y SUFFICIENT NUM	T OF CARS WE	HILE MAKING A BRAKES ON THE
ICG	06/15/81	12:05 AM	YAZOO	·	MS	DERAILMEI	N <b>T</b>	0	5	\$531,590
45				MAIN 3 YARD RULES 4 LOCOMOTIVE 32 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT TRAIN	3/78	3 15 мрн
	PROBABLE	CAUSE: MI	SALIGNMENT	OF A SWITCH BY	PERSON(S)	UNKNOWN.	•			
ATK CR	06/26/81	11:49 AM	LANDOVER		MD	DERAILME	NT	0	0	\$347,500
46	TYPE OF T CLASS OF METHOD OF		:	MAIN 2 INTERLOCKING AUTOMATIC BLOCK	K	MOVEMENTS	INVOLVED:	FREIGHT TRAIN	ВЕРҮ	5 30 мрн
	EQUIPMENT	DERAILED:	•	TRAIN ORDERS 17 CAR(S)						
	PROBABLE	CAUSE: FA	ILURE OF T	THE TRACK STRUCT	URE TO HOLI	PROPER ALIG	MENT UNDE	R TRAIN MOVEMENT	<b>'•</b>	

IL  OCK  BY PERSON(S)  CO	MOVEMENTS INVOLVED:		0	\$1,084,500
BY PERSON(S) CO	UNKNOWN.  DERAILMENT		0	\$1,084,500
BY PERSON(S) CO	UNKNOWN.  DERAILMENT		0	\$1,084,500
BY PERSON(S) CO	DERAILMENT	2	0	\$1,084,500
co	DERAILMENT	2	0	\$1,084,500
3	DERAILMENT	2	0	\$1,084,500
3	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X6529	25 MPH
3	MOVEMENTS INVOLVED:	FREIGHT TRAIN	x6529	25 MPH
			,	
E DUE TO TOR	RRENTIAL RAINS.	u pur fan han hal han bird hin hal ha ha y par han bar bar bar bar		na Barabar yan 1840 kwa bua bua ba 1, wi 1840 k
wv	SIDE COLLISION	o	3	\$801,758
S .	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X6435 X3516	10 MPH 7
3	ve(s)	MOVEMENTS INVOLVED:	MOVEMENTS INVOLVED: FREIGHT TRAIN FREIGHT TRAIN	MOVEMENTS INVOLVED: FREIGHT TRAIN X6435 FREIGHT TRAIN X3516

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MILW	07/09/81	4:45 PM	MEDARY		WI	DERAILMENT	o	0	\$147,000
50				MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 9 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	EX208	58 МРН
	PROBABLE	ST	RUCK AND DA	AND OBSTRUCTION AMAGED THE EASTBO ITE ABOUT ONE HOU	UND TRACK.	A PIECE OF TOP CHORD THE GONDOLA CAR WAS			
CR	07/10/81	3:59 PM	LEWISBURG		ОН	DERAILMENT	0	2	\$20,300
51				MAIN 3 MANUAL BLOCK TIME TABLE TRAIN ORDERS 16 CAR(S) 1 CABOOSE(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X6249	27 МРН
	PROBABLE			O CONTINOUS WELDE	D RAIL BUCK	LED UNDER TRAIN MOVEM			OF THE ACCIDENT

RR CODE	DATE	TIME	CITY	no, ing space you goog too, too, you got you goo too too too too too too too too too	STATE	ACCIDENT	ТҮРЕ	K	ILLED	INJUE	ED !	RR DAMAGE
CR	07/11/81	3:00 PM	WEST DANB	Y	NY	DERA1LMEN	ΙΤ		0	1		\$32,500
52				MAIN 1 MANUAL BLOCK TIME TABLE TRAIN ORDERS 9 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN '		x7839	10 мрн
	PROBABLE (	CAUSE: EX	CESSIVE SL	ACK ACTION.								
СО	07/17/81	3:40 PM	WAUGH		VA	DERAILMEN	T	na	0	0		\$676,950
53				MAIN 3 TRAFFIC CONTROL 2 LOCOMOTIVE(S 63 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT CUT OF C			x4376	38 MPH 0
	PROBABLE	CAUSE: UN	DETERMINED									
мр	07/20/81	10:43 AM	GLENWOOD	~~~~~~~~~~		RAIL-HWY	CROSSING	bu bu bu bu bu bu bu bu	2	1	na pra pra pra pra pra pra pra pra pra	\$635
54	TYPE OF T CLASS OF METHOD OF		<b>T:</b>	MAIN 3 TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN		730	10 MPH
	EQUIPMENT	DERAILED:	:	NONE								
	PROBABLE			OTOR VEHICLE OPER E APPROACH OF A T		P SHORT OF	THE CROSS	ING, EVE	N THOUGH	CROSS	ING SIGNA	LS INDICATED

CODE	DATE	TIME	CITY	rea from from from from from from from from	STATE	ACCIDENT	TYPE	KILLED	INJURED	RR DAMAGE
(ILW	07/22/81	8:26 AM	ROUND LAI	<b>CE</b>	IL	RAIL-HWY	CROSSING	1	3	\$81,500
	TYPE OF T			MAIN						
5	CLASS OF METHOD OF	TRACK: OPERATION	I:	3 AUTOMATIC BLOCK		MOVEMENTS	INVOLVED:	PASSENGER TRAIN	2124	55 MPH
				TIME TABLE						
	EQUIPMENT	DERAILED:		TRAIN ORDERS 1 CAR(S)						
	PROBABLE	CAUSE: FA	AILURE OF	TRUCK DRIVER TO S	TOP SHORT	OF THE CROSS	ING AS REQU	UIRED BY ILLINOIS	MOTOR VEHIC	LE CODE.
0	07/26/81	8:55 AM	MR CABIN		он	REAR~END	COLLISION	0	3	\$295,000
	TYPE OF T	RACK:		MAIN						
5	CLASS OF	TRACK: OPERATION	T.	4 TRAFFIC CONTROL		MOUEMENTS	TNUOTUED.	FREIGHT TRAIN	V8240	О МРН
י	MEIROD OF	OPERATION		TRAFFIC CONTROL		MOVEMENTS		FREIGHT TRAIN	X5927	26
	EOUT DMENT	DERAILED:		3 LOCOMOTIVE(	2)			FREIGHT TRAIN	X4085	30
	EQUIFMENT	DERAL GED:		31 CAR(S) 1 CABOOSE(S)	) <i>}</i>				•	
	PROBABLE			THE CREW OF EXTRA					'H SIGNAL IND	ICATIONS. S
R	08/02/81	08:00 AM	KENMORE	~~~~~~~~~~~	NY	REAR-END	COLLISION	0	1	\$37,800
	TYPE OF T	RACK:		YARD					-	
	CLASS OF	TRACK: OPERATION	I•	1 YARD RULES		MOVEMENTS	TWOLVED.	VARD/SWITCHING	¥8875	О МРН
7	millob or	OTERATION				HOVERENTS	INVOLVED.	YARD/SWITCHING YARD/SWITCHING	X5960	7
	EQUIPMENT	DERAILED:		1 LOCOMOTIVE(S 8 CAR(S)	5)					

• •• •• •• ••	DATE	TIME	ÇIT	Y 	STATE	ACCIDENT TYP	E 	KILLED	INJURED	RR DAMAGE
0	08/07/81	5:05		DGMAN .	MI	DERAILMENT		0	15	\$66,300
	TYPE OF T			SIDING	•			•		
8	CLASS OF METHOD OF EQUIPMENT	OPERAT		4 TRAFFIC CO 14 CAR(S)	NTROL	MOVEMENTS INV	OLVED: FREIG	HT TRAIN	X7597	43 мрн
	PROBABLE	CAUSE:		IVE SWITCH. THE						TO INSTALL
 I	08/09/81	8:20	AM HAW	LEY	MN	DERAILMENT	. She she she gas gas she she she she she she she sh	0	1	\$559,900
	TYPE OF T			MAIN						
)	CLASS OF METHOD OF		TION:	4 AUTOMATIC	BLOCK	MOVEMENTS IN	OLVED: FREIG	GHT TRAIN	X8058	50 мрн
	EQUIPMENT	DERAII		TIME TABLE TRAIN ORDE 5 LOCOMO 12 CAR(S)	RS	MOVEMENTS IN	FREIG	HT TRAIN	X1890 _.	27
	PROBABLE	CAUSE:		IVE SLACK ACTION :	EXTRA 8058 WES	T WERE STRUCK BY	EXTRA 1890 E	EAST OPERAT	ING ON THE AD	JACENT TRACK
· 	PROBABLE 08/11/81	a tina tina yay tina tina tina ti	THE DE	RAILED CARS FROM	EXTRA 8058 WES	T WERE STRUCK BY	EXTRA 1890 E	EAST OPERAT	ING ON THE AD	JACENT TRACK
1		4:15	THE DE	RAILED CARS FROM	EXTRA 8058 WES	T WERE STRUCK BY	EXTRA 1890 E	EAST OPERAT	ING ON THE AD	JACENT TRACK
1	08/11/81	4:15 CRACK: TRACK:	THE DE	RAILED CARS FROM	EXTRA 8058 WES:  MA  BLOCK	T WERE STRUCK BY	EXTRA 1890 E  LISION  VOLVED: FREIG	EAST OPERAT  4  GHT TRAIN	TING ON THE AD.	\$1,026,979

RR CODE	DATE	TIME	na tra tru pas pr	CITY	Brill fact you thin this fine fine time the fine time the thing for	STATE	ACCIDENT	TYPE	KILLED	INJ	URED	RR DAMAGE
CS	08/18/81	08:05	PM	DES MOINES		NM	REAR-END	COLLISION	0	2		\$191,000
61	TYPE OF T CLASS OF METHOD OF	TRACK: OPERAT	rion:		INDUSTRY  I  TIME TABLE  TRAIN ORDERS  5 LOCOMOTIVE(S		MOVEMENTS	INVOLVED:	CUT OF CARS FREIGHT TRAIN WORK TRAIN		X5109 X8071	О МРН 32 О
			FAI	LURE OF CR	6 CAR(S)  EW (EXTRA 8071) PROPERLY SECURE	TO RESTORE		RIAL TRACK	SWITCH TO ITS	NORMAL	POSITION	FOR THE MAIN
MP	08/30/81	4:10	AM	ALLENHURST	ton per	TX	DERAILME	NT	0	0	yng ynu faw blad byg gan faw fad fad	\$692,200
62	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK: OPERAT	rion:		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 2 LOCOMOTIVE(S 38 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT TRAIN	ľ	X3246	45 МРН
	PROBABLE	CAUSE:	BRC	KEN RAIL I	DENTIFIED AS A F	HEAD AND WEI	B SEPARATIO	N AT A FOU	R~ BOLT JOINT.			
SSW	08/31/81	3:45	PM	CAMDEN		AR	DERAILME	nt	0	1		\$125,100
63	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK: OPERAT			MAIN 4 TRAFFIC CONTROL 2 LOCOMOTIVE(S 8 CAR(S) 1 CABOOSE(S)		MOVEMENTS	INVOLVED:	FREIGHT TRAIN	ſ	x4087	35 МРН
	PROBABLE	CAUSE:		ST RAIL ON SECUTIVE T	THE BRIDGE WAS E	BOWED 4 TO	6 INCHES TO	THE WEST	DUE TO MISSING	TIE PL	ATES FROM	FIVE

CODE	DATE	TIME	CITY		STATE	ACCIDENT	TYPE	K	ILLED	INJURED	RR DAMAGE
				. Del ha had had had had had had had had had		a just per per per ter tracter tracter per per per ter t	~				
CR	09/01/81	5:25	AM MORRIS	VILLE	PA	REAR-END	COLLISION		0	3	\$223,700
	TYPE OF T			MAIN							
64	CLASS OF METHOD OF		ion:	1 TRAFFIC CONTROL YARD RULES		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN	X3360	12
	EQUIPMENT	DERAIL	ED:	3 LOCOMOTIVE(S 7 CAR(S) 1 CABOOSE(S)	)			FREIGHT	TRAIN	X7189	
	PROBABLE	CAUSE:		F CREW EXTRA 3360 TO CARS FROM EXTRA 3360							
BM ATK	09/05/81	2:30	AM NORTHA	MPTON	MA	DERAILME	nt		0	2	\$188,000
65	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK: OPERAT	-	MAIN 3 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 9 CAR(S)		MOVEMENTS	INVOLVED:	PASSENGE	ER TRAL	N 732	51 MPH
				• • •	TO WORN 1		E ADJUSTAB	LE ROD.			
SP	09/08/81	9:50	PM GRASS	LAKE	CA	DERAILME	NT		0	0	\$159,775
66	TYPE OF T CLASS OF METHOD OF EQUIPMENT	TRACK: OPERAT		MAIN 3 TRAFFIC CONTROL 31 CAR(S)	-	MOVEMENTS	INVOLVED:	FREIGHT	TRAIN	x9357	3 мрн
	PROBABLE	CAUSE:	EXCESSIVE	BUFF FORCES CREATED	DURING A	A COUPLING OP	ERATION DE	RAILED TI	не 37тн	CAR IN THE TR	RAIN.
	CONTRIBUT	ING FAC		CREW DID NOT DETECT	THE DER	AILMENT OF TH	E 37TH CAR	, so wher	THE T	RAIN MOVED EAS	STWARD 30 OT

CODE	DATE	TIME	CITY	ộng tha tro tha	STATE	ACCIDENT			KILLED	INJU		RR DAMAGE
CR	09/09/81	11:20 PM	I ASHTABULA		ОН	REAR~END	COLLISION		0 .	3		\$400,000
67	TYPE OF T CLASS OF METHOD OF	TRACK: TRACK: OPERATIO		MAIN 2 INTERLOCKING AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	FREIGHT FREIGHT	TRAIN TRAIN		X8025 X7808	О МРН 20
	EQUIPMENT	DERAILED	):	1 LOCOMOTIVE(	S)							
	PROBABLE	CAUSE: F	FAILURE TO O	PERATE EXTRA 780	8 NORTH IN	ACCORDANCE V	VITH CARRI	ER'S OPE	RATING R	RULES.		
TSF	09/10/81	7:45 AM	1 EDMOND		OK	RAIL-HWY	crossing		0	4	ter ter ter ter ter ter	\$1,217,500
8	CLASS OF METHOD OF	TRACK: TRACK: OPERATION DERAILED	ON:	MAIN 5 TIME TABLE TRAIN ORDERS 3 LOCOMOTIVE(		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN		583н4	50 мрн
·	PROBABLE		FAILURE OF T	14 CAR(S) HE MOTOR VEHICLE SSED.	OPERATOR S	TO STOP SHOR	r of the c	ROSSING A	AND TO R	REMAIN	STANDIN	G UNTIL THE
	the tre he he he tre tre tre tre tre	, p,	as has had been been been been had good good good good good	time first time first time time time time time time time tim	ina ina ina ina ipa ina ina ina ina ina ina	من وسو وسو وسو وسو وسو وسو وسو وسو				v pu pu pu pu pu su	~~~~~	Put they then then they then then then the tree the
P P	09/12/81	11:12 PM	1 ALAZON		NV	REAR-END	COLLISION		2	0		\$766,2387
9	TYPE OF T CLASS OF METHOD OF		DN:	MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN		X3551	40 MPH
	EQUIPMENT	DERAILED	):	2 LOCOMOTIVE(: 3 CAR(S)	S)							
	PROBABLE		FAILURE OF TOPERATING RU	RAIN CREW (EXTRA LES.	3551 WEST	) TO OPERATE	THE LOCOM	OTIVE CO	NSIST IN	N ACCOR	DANCE W	ITH CARRIER
	CONTRIBUT	ING FACTO	OR: FAILUR	E OF TRAIN CREW	TO PLACE TO	ORPEDOES ON	THE RAIL I	N ADVANC	E OF THE	E STAND	ING POR	TION OF THE

RR DAMAGE \$817,150 87 35 MPH 02 4 AND PROCEED" \$2,108,500
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RR CODE	DATE	TIME	CITY	ين پين اين اين سان سان سان سان سان سان سان سان سان سا	STATE	ACCIDENT	TYPE	KILLED	INJURED	RR DAMAGE
sou	09/15/81	9:00 AM	HUNTSVILLE		AL	RAIL-HWY	CROSSING	7	4	\$17,890
73	TYPE OF TI CLASS OF TI METHOD OF	FRACK: OPERATIO	3 N: Al T	AIN  JTOMATIC BLOCK  IME TABLE  RAIN ORDERS  1 LOCOMOTIVE(S		MOVEMENTS	INVOLVED: FREIG	HT TRAIN	81	28 МРН
	PROBABLE (			MOTOR VEHICLE (	OPERATOR TO	STOP SHORT	OF THE CROSSIN	G AND REMAI	N STANDING U	NTIL THE
MP	09/24/81	4:45 PM	DONALDSONVI	LLE	LA	RAIL-HWY	CROSSING	0	2	\$200,000
74	TYPE OF TO CLASS OF TO METHOD OF EQUIPMENT	FRACK: OPERATIO	N: T			MOVEMENTS	INVOLVED: FREIG	HT TRAIN	. x222	35 МРН
	PROBABLE (	CAUSE: F	AILURE OF THE	MOTOR VEHICLE	OPERATOR TO	STOP SHOR	OF THE CROSSIN	G AS REQUIR	ED BY FEDERA	L AND STATE LAW
CNW	09/25/81	8:50 PM	JEFFERSON J	CT.	wi	RAIL-HWY	CROSSING	5	0	\$5,000
75	TYPE OF TO CLASS OF T METHOD OF	TRACK:	N: T	AIN IME TABLE RAIN ORDERS		MOVEMENTS	INVOLVED: FREIG	HT TRAIN	568	10 мрн
	EQUIPMENT	DERAILED	: 1	NONE						
	PROBABLE (	CAUSE: F	AILURE OF THE	MOTOR VEHICLE	OPERATOR TO	STOP SHOR	OF THE CROSSIN	G.		
	CONTRIBUT	ING FACTO	R: THE 0.10		EIGHT IN THE	E MOTOR VEI	HICLE OPERATOR'S	BLOOD SAMP	LE MAY HAVE	CONTRIBUTED TO

CODE								
	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
OMIR	09/28/81	2:50 AM	WILPEN	MN	DERAILMENT	0	0	\$176,252
	TYPE OF T		MAIN 1					
76		OPERATION		ı	MOVEMENTS INVOLVED: FRE	IGHT TRAIN	EX165	32 MPH
Ť	EQUIPMENT	DERAILED:			r.			
	PROBABLE (	CAUSE: FA	ILURE OF CREW (EXTRA	165 SOUTH) TO O	PERATE THE TRAIN IN ACCORD.	ANCE WITH 10	MPH SPEED RES	STRICTION.
	CONTRIBUT	ING FACTOR	: FAILURE OF MAINTE RESTRICTED TRACK.		EW TO DISPLAY RESTRICTED S	PEED SIGNALS	TWO MILES IN	ADVANCE OF
cs	09/28/81	3:20 PM	BLOOMBURG	TX	HEAD-END COLLISION	0	2	\$80,000
	TYPE OF T		MAIN					
7	CLASS OF METHOD OF	TRACK: OPERATION	TRAFFIC CO	NTROL	MOVEMENTS INVOLVED: WOR WOR	K TRAIN K TRAIN	X4162 X4110	1 MPH 19
	EQUIPMENT	DERAILED:	NONE				.*	
	PROBABLE		ILURE OF THE CREW(S) DICATIONS WITHIN THE		TRAS TO OPERATE TRAINS IN	ACCORDANCE V	ITH RESTRICTIN	NG SIGNAL
	COMMUNICATION							
	CONTRIBUT	ING FACTOR	: THE TRAIN DISPATE	HER VERBALLY AU	THORIZED THE MOVEMENT OF T	WO OPPOSING	TRAINS IN THE	SAME BLOCK.
 N		per (m) per per per per per per per	MARYSVILLE	ا عدا حدا بدو بدو بدو مدو عدو بدو عدا عدا حدا عدا عدا عدا عدا	THORIZED THE MOVEMENT OF T	WO OPPOSING	O	\$391,000
`~~~~ V	10/05/81 TYPE OF T	11:40 PM	MARYSVILLE MAIN	ا عدا حدا بدو بدو بدو مدو عدو بدو عدا عدا حدا عدا عدا عدا عدا			و بدو پنو پنو پنو پنو پنو پنو کا دا	نز هم سم سم سم سم سم سم مده ۱۰۰ ۱۰۰ س
	10/05/81  TYPE OF TO CLASS OF METHOD OF	11:40 PM  RACK: TRACK: OPERATION	MARYSVILLE  MAIN 4	WA NTROL		0	0	\$391,000
2 N 8	10/05/81  TYPE OF T. CLASS OF 'METHOD OF EQUIPMENT	11:40 PM  RACK: TRACK: OPERATION DERAILED:	MARYSVILLE  MAIN 4 : TRAFFIC CO	WA NTROL	DERAILMENT  MOVEMENTS INVOLVED: FRE	0	0	\$391,000

R CODE	DATE	TIME	CITY	و عنز عمو مدو عمو عمو عمو عمو عمو عمو عمو عمو عمو عم	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK CR	10/10/81	7:50 AM	NEWARK		NJ	OBSTRUCTION	0	3	\$15,000
79	CLASS OF	RACK: TRACK: OPERATION		MAIN 3 CAB SIGNAL TRAFFIC CONTROL		MOVEMENTS INVOLVED:	PASSENGER TRAIN	3708	15 мрн
	EQUIPMENT	DERAILED:		NONE		•			
	PROBABLE			DISENGAGED FROM T ND PASSENGER TRAIN		A BURRO CRANE DURING	G PULLING OPERATI	ON AND FOULE	THE PATH O
MP	10/10/81	8:57 AM	RANTOUL	,	KS	HEAD-END COLLISION	0	1	\$2,251
80	CLASS OF	RACK: TRACK: OPERATION		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN WORK TRAIN		40 MPH 25
	EQUIPMENT	DERAILED:		NONE					
	m tre tre tre tre tre tre tre tre tre	CAUSE: FA	و فحل عمل عمل عمل من المعارض ا	د بدر احدا بدر احداد می است	محر ومن محر ومن ومن محر ممن محر محر ومن ومن	CURRENT LINE-UP TO		8273). 1	\$367,177
	CLASS OF	RACK: TRACK: OPERATION		MAIN 3 AUTOMATIC BLOCK		MOVEMENTS INVOLVED:	FREIGHT TRAIN	x6853	28 МРН
81	III, IIIOD OI	01 HM11 101	•	AUTO TRAIN STOP TIME TABLE		INTERNAL THEORY INC.	PASSENGER TRAIN		55

CODE	DATE	TIME	CITY	من ومن ومن ومن ومن ومن ومن ومن ومن ومن و	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
sou	10/27/81	2:42 AM	BARBER		NC	SIDE COLLISION	0	5	\$857,900
	TYPE OF T	RACK:		MAIN					
	CLASS OF	TRACK:		1					
2	METHOD OF	OPERATION	:	INTERLOCKING		MOVEMENTS INVOLVED:	FREIGHT TRAIN	531	10 MPH
				AUTOMATIC BLO	CK		FREIGHT TRAIN	162	35
				YARD RULES					
				TIME TABLE					
				TRAIN ORDERS					
	EQUIPMENT	DERAILED:		3 LOCOMOTIV	E(S)				
				01 040/01					
	PROBABLE			21 CAR(S) THE CREW OF TRA		TO CONTROL THE MOVEMENTONS.	NT OF THE TRAIN	IN ACCORDANCE	WITH POSTE
EC.	and the tree tree tree tree tree tree	SP	EED RESTRI	CHE CREW OF TRA	NAL INDICATI	ONS.	من يمو	IN ACCORDANCE	and the tree that the tree that the tree to the tree t
 EC	PROBABLE 10/28/81	SP		CHE CREW OF TRA			NT OF THE TRAIN	רו שהן מחון מחון שהן שהן מחון מחון מחון מחון מחון מחון מחון מחו	\$217,500
EC	and the tree tree tree tree tree tree	SP  9:45 AM	EED RESTRI	CHE CREW OF TRA	NAL INDICATI	ONS.	من يمو	רו שהן מחון מחון שהן שהן מחון מחון מחון מחון מחון מחון מחון מחו	and the tree that the tree that the tree to the tree t
EC	10/28/81	9:45 AM	EED RESTRI	THE CREW OF TRA	NAL INDICATI	ONS.	من يمو	רו שהן מחון מחון שהן שהן מחון מחון מחון מחון מחון מחון מחון מחו	and the tree that the tree the tree to the
EC	10/28/81  TYPE OF T CLASS OF	9:45 AM	EED RESTRI	CHE CREW OF TRA	NAL INDICATI	ONS.	0	4	and the tree that the tree the tree to the
	10/28/81  TYPE OF T CLASS OF METHOD OF	9:45 AM RACK: TRACK: OPERATION	EED RESTRI	CHE CREW OF TRA	VT	DERAILMENT	0	4	\$217,500
	10/28/81  TYPE OF T CLASS OF METHOD OF	9:45 AM RACK:	EED RESTRI	CHE CREW OF TRA	VT	DERAILMENT	0	4	\$217,500
	10/28/81  TYPE OF T CLASS OF METHOD OF	9:45 AM RACK: TRACK: OPERATION	EED RESTRI	MAIN 2 TIME TABLE TRAIN ORDERS 2 LOCOMOTIV	VT	DERAILMENT	0	4	\$217,500

CODE	DATE	TIME	CITY	سار وبحر رسار وسار وسار وسار الحال	STATE	ACCIDENT TYPE	KII	LED IN	JURED	RR DAMAGE
30	10/31/81	6:20 AM	KELLOGG		ΝΥ	DERAILMENT	0	19		\$1,075,754
	TYPE OF T	RACK:		MAIN .	<b>;</b>					
34		OPERATION	N:	TIME TABLE		MOVEMENTS INVOLVED:	FREIGHT TE	RAIN	BR-96	30 MPH
	EQUIPMENT	DERAILED:	1	TRAIN ORDERS 3 LOCOMOTIVE( 19 CAR(S)	s)		*			•
				,		4				
	PROBABLE	CAUSE: DF	EFECTIVE RA	AIL, A VERTICAL S	PLIT HEAD.					
w 200 200 200 200 200 200 200 200 200 20	CONTRIBUT	ING FACTOR	R: FAILUR SECTIO		'ATROLMAN TO	DETECT AN OBVIOUS DEF	FECT THROUG	SH ROUTINE	INSPECTI	ONS OF THE R
N	11/01/81	5:30 AM	HERON		MT ·	DERAILMENT	0	0		\$792,000
						•				
5	CLASS OF '	TRACK: OPERATION	<b>1:</b>	4 TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TE	RAIN	175	45 MPH
	EQUIPMENT	DERAILED:	ł	46 CAR(S)						
	PROBABLE	TH	HE BACK OF	L RIM ON HOPPER C THE RIM FACE THA STRESS RISER.	AR (NP73114) T STARTED AT	). THE ORIGIN OF THE	FAILURE WA	AS A PROGRI	ESSIVE FA	ATIGUE CRACK DEEP STAMPING
		AC	TEU AS A :	SIRESS RISER.						
 rsf	11/03/81	الله وحل وحل وحل وحل وحل وحل وحل وحل	JOSEPH CI	معز مدم ومثر مدمز ومدر ومار عدم حدد حدم مدمز مدمز مدمل مدار ومار ومار ومار ومار ومار ومار ومار	AZ	DERAILMENT	0	1	74 P4 P4 P4 P4 P4 P4 P4 P4	\$1,022,000
 TSF	TYPE OF T	11:18 PM	و عدد عدد صدر عدر عدد عدد عدد عدد عدد عدد	ITY MAIN	AZ	DERAILMENT	0	1	T SA	\$1,022,000
 TSF 6	w 14 , 3	11:18 PM RACK:	JOSEPH CI	ITY		MOVEMENTS INVOLVED:		RAIN	x5017 x5037	65 мрн

RR CODE	DATE	TIME	CITY		STATE ACCIDENT TYPE		KILLED	INJURED	RR DAMAGE
CNTP	11/05/81	7:10 PM	RATHBURN		TN	DERAILMENT	0	4	\$1,939,750
	TYPE OF T	RACK:		MAIN					
87	CLASS OF S METHOD OF EQUIPMENT	OPERATION	•	TRAFFIC CONTROL 4 LOCOMOTIVE(S 25 CAR(S)	<b>)</b>	MOVEMENTS INVOLVED: FREIG	HT TRAIN	160	37 МРН
	PROBABLE (	CAUSE: TW	O KNOWN PE	RSONS PLACED A FR	OG PLATE IN	THE HEEL OF A FROG.			
CGA	•	7:40 PM	WAYNESBOR	0	GA	DERAILMENT	0	0	\$1,167,200
	TYPE OF T	RACK:		MAIN					
88	CLASS OF			4 TIME TABLE		MOVEMENTS INVOLVED: FREIG	HT TRAIN	138	46 мрн
		DERAILED:		TRAIN ORDERS 44 CAR(S)			•		
	PROBABLE	CAUSE: CE	NTER BROKE	N 115~POUND JOINT	BARS WHICH	WERE OF IMPROPER DESIGN F	OR THE RAIL	•	
CV	11/24/81	6:15 PM	MILLERS F	ALLS	MA	DERATLMENT	0 .	2	\$228,491
	TYPE OF T	RACK:		MAIN					
	CLASS OF			3					
89		OPERATION	:	TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FREIG	HT TRAIN	X4928	40 MPH
	EQUIPMENT	DERAILED:		3 LOCOMOTIVE(S 6 CAR(S)	<b>;</b> )				
	PROBABLE	CAUSE: VA	NDALISM:	THE SWITCH LOCK W	VAS REMOVED	AND THE SWITCH WAS COCKED	PARTIALLY O	PEN BY PERS	ON(S) UNKNOWN.

R CODE	DATE	TIME	CITY	و الما وما وما هم وما وما وما وما وما وما وما وما وما وم	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	11/28/81	7:56 AM	TYRONE		PA	DERAILMENT	o	0	\$779,650
	TYPE OF T			MAIN					
90	CLASS OF METHOD OF	TRACK: OPERATION	:	3 CAB SIGNAL AUTOMATIC BLOCK	-	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X8155	45 MPH
	EQUIPMENT	DERAILED:		TIME TABLE 58 CAR(S)					
	PROBABLE	CAUSE: BR	OKEN TRUCK	BOLSTER ON HOPPE	R CAR (CR	472528).			
w `	11/28/81	8:30 AM	CREWE	N 100 TO 100	VA	SIDE COLLISION	0	0	\$466,800
•	TYPE OF T			MAIN 4					•
91		OPERATION	:	AUTOMATIC BLOCK YARD RULES		MOVEMENTS INVOLVED:	YARD/SWITCHING	X1571 X4154	0
	EQUIPMENT	DERAILED:	•	TIME TABLE 2 LOCOMOTIVE(S 24 CAR(S)	<b>)</b>		FREIGHT TRAIN	X1547	3
	PROBABLE (	CAUSE: FA	ILURE OF A	LOCAL SWITCH CRE	W TO RESTO	ORE THE MAIN TRACK SWIT	TCH TO ITS NORMAL	OPERATING PO	SITION.
	CONTRIBUT	ING FACTOR	: SIGNAL	1296 DISPLAYED A	FALSE PRO	OCEED INDICATION.			
		tra tra tra tra tra pa pa pa pa 140 l	Pe tre tre tre tre tre tre tre tre tre	معل معل عمل عمل عمل عمل ممل معل عمل عمل	بدو منز وماز وماز وماز وماز وماز وماز	و چوز موز مموز ممار ممار بعد بعدر بعدر بعدر بعدر بعدر بعدر ممار ممار ممار ممار معار بعدر بعدر بعد	لا عالا احالا احال بيام ميام ميا ساء عبار عنا عنا عنا عالا عال عال عال مال بيا	بال مالا فالا فال وبوا وبوا سوا سوا سال سال سال ما	الا عالا الحلا الحق إيمار عمل بيمار بعار بعاد العاد العاد العاد ال
LN	12/01/81	3:50 PM	NOKOMIS		AL ,	DERAILMENT	0	0	\$146,000
	TYPE OF T			MAIN 4					
92	METHOD OF	OPERATION DERAILED:		TRAFFIC CONTROL 20 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	x6033	28 МРН
	PROBABLE (			SURE GENERATED BY CLIMB THE RIGHT-H		ES FROM THE REAR OF THE	RAIN WERE SUFFICIE	INT TO CAUSE	THE R2 WHEEL
	CONTRIBUT	ING FACTOR	THE RI		OINT TO NO	OKOMIS SIDING WAS UNUSU	JALLY WORN FOR A D	ISTANCE OF 4	1 INCHES FRO

R CODE	DATE	TIME	CITY	بر عبر عمل	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	12/07/81	4:05	AM HARLEM		MT	DERAILMENT	0	0	\$414,000
	TYPE OF T			MAIN					
93	CLASS OF T METHOD OF EQUIPMENT	OPERAT		4 TRAFFIC CONTROL 22 CAR(S)		MOVEMENTS INVOLVED: FF	EIGHT TRAIN	01~82	60 мрн
	PROBABLE (	CAUSE:	STARTED IN		THROUGH A	THE ORIGIN OF THE FAIL DEEP STAMPED SYMBOL. TE			
BN	12/07/81	7:08	AM RAMSEY		ID	DERAI LMENT	0	0	\$1,670,700
94	TYPE OF TO CLASS OF S METHOD OF EQUIPMENT	TRACK: OPERAT		MAIN 4 TRAFFIC CONTROL 1 LOCOMOTIVE(S 54 CAR(S)		MOVEMENTS INVOLVED: FR	EIGHT TRAIN	<b>x8095</b>	58 MPH
	PROBABLE	CAUSE:	WIDE GAUGE	TRACK.					
ATSF	12/11/81	7:40	AM CLIFTON		TX	RAIL-HWY CROSSING	5.	0	\$168
95	TYPE OF T	TRACK:		MAIN 4 TRAFFIC CONTROL		MOVEMENTS INVOLVED: FE	EIGHT TRAIN	461 5K	45 мрн
	EQUIPMENT	DERAII	LED:	NONE					
	PROBABLE (	CAUSE:		THE MOTOR VEHICLE THE IMMEDIATE APPRO		TO STOP SHORT OF THE CROS	SING EVEN THO	UGH CROSSING	SIGNALS

	CITY	من عند ضد عند عند عند منه منا منا منا مند مند امد امد مند مند مند ا	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
/12/81 12:50 Pi	M SPIRO		OK	DERAILMENT	0	0	\$792,292
	ON: O:	MAIN 3 TRAFFIC CONTROL 29 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	82	.30 мрн
OBABLE CAUSE: I	ENGINE BURN	FRACTURE ON A SEC	TION OF 127	-POUND RAIL.			
/15/81 6:10 A	1 MACCORKLE		WV	HEAD-END COLLISION	0	2	\$9,350
ASS OF TRACK:		3 TIME TABLE		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X4323	2 MPH 0
UIPMENT DERAILE	<b>D:</b>			•			
OBABLE CAUSE:	FAILURE OF T	HE CREW OF EXTRA	4323 EAST T	O STOP IN THE CLEAR A	AT THE MEETING F	OINT.	n jan jan jan jan jan jan jan jan jan ja
2/21/81 8:05 AI	M ROBINSON		<b>KY</b>	DERAILMENT	. 0	, <b>o</b> .	\$423,800
ASS OF TRACK:	ON:	MAIN 3 TRAFFIC CONTROL		·	FREIGHT TRAIN	X1545	40 MPH
	PE OF TRACK: ASS OF TRACK: THOD OF OPERATIC UIPMENT DERAILEI  OBABLE CAUSE: I  /15/81 6:10 AN  TPE OF TRACK: ASS OF TRACK: THOD OF OPERATIC UIPMENT DERAILEI  OBABLE CAUSE: I  /21/81 8:05 AN  TPE OF TRACK: ASS OF TRACK: THOD OF OPERATIC	ASS OF TRACK: THOD OF OPERATION: UIPMENT DERAILED:  OBABLE CAUSE: ENGINE BURN  //15/81 6:10 AM MACCORKLE  THOD OF TRACK: ASS OF TRACK: THOD OF OPERATION: UIPMENT DERAILED:  //21/81 8:05 AM ROBINSON  THE OF TRACK: ASS OF TRACK: THOD OF OPERATION:	PE OF TRACK:  ASS OF TRACK:  ASS OF TRACK:  THOD OF OPERATION:  UIPMENT DERAILED:  OBABLE CAUSE: ENGINE BURN FRACTURE ON A SEC  (15/81 6:10 AM MACCORKLE  THOD OF OPERATION:  TIME TABLE  TRAIN ORDERS  UIPMENT DERAILED:  OBABLE CAUSE: FAILURE OF THE CREW OF EXTRA  (221/81 8:05 AM ROBINSON  THE OF TRACK:  ASS OF TRACK:  THOD OF OPERATION:  THE CREW OF EXTRA  (21/81 8:05 AM ROBINSON  THE OF TRACK:  ASS OF TRACK:  THOD OF OPERATION:  TRAFFIC CONTROL  UIPMENT DERAILED:  TRAFFIC CONTROL	PE OF TRACK:  ASS OF TRACK:  ASS OF TRACK:  THOD OF OPERATION:  UIPMENT DERAILED:  OBABLE CAUSE: ENGINE BURN FRACTURE ON A SECTION OF 127  //15/81 6:10 AM MACCORKLE  WV  PE OF TRACK:  ASS OF TRACK:  THOD OF OPERATION:  UIPMENT DERAILED:  OBABLE CAUSE: FAILURE OF THE CREW OF EXTRA 4323 EAST TO ASS OF TRACK:  ASS OF TRACK:  OBABLE CAUSE: FAILURE OF THE CREW OF EXTRA 4323 EAST TO ASS OF TRACK:  ASS OF TRACK:  MAIN  ASS OF TRACK:  ASS OF TRA	PE OF TRACK:  ASS OF TRACK:  ASS OF TRACK:  3 THOD OF OPERATION: UIPMENT DERAILED:  29 CAR(S)  OBABLE CAUSE: ENGINE BURN FRACTURE ON A SECTION OF 127-POUND RAIL.  //15/81 6:10 AM MACCORKLE  WV HEAD-END COLLISION  PE OF TRACK:  ASS OF TRACK:  THOD OF OPERATION: UIPMENT DERAILED:  OBABLE CAUSE: FAILURE OF THE CREW OF EXTRA 4323 EAST TO STOP IN THE CLEAR AND	PE OF TRACK:  ASS OF TRACK:  3 THOD OF OPERATION:  TRAFFIC CONTROL  DEBABLE CAUSE: ENGINE BURN FRACTURE ON A SECTION OF 127-POUND RAIL.  MAIN  ASS OF TRACK:  MAIN  ASS OF TRACK:  MAIN  ASS OF TRACK:  THOD OF OPERATION:  TRAFFIC TRAIN  DIPMENT DERAILED:  MAIN  ASS OF TRACK:  TRAIN ORDERS  G CAR(S)   MAIN  ASS OF TRACK:  TRAIN ORDERS  G CAR(S)   MOVEMENTS INVOLVED: FREIGHT TRAIN  DEPARTMENT DERAILED:  MOVEMENTS INVOLVED: FREIGHT TRAIN  DEPARTMENT DERAILED:  MAIN  ASS OF TRACK:  AND  AND  AND  MOVEMENTS INVOLVED: FREIGHT TRAIN  MOVEMENTS INVOLVE	PE OF TRACK: ASS OF TRACK: 3

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT	TYPE	]	KILLED	INJURED	RR DAMAGE
KCS	12/22/81	7:00 PM	JOPLIN		мо	REAR~END	COLLISION		0	4	\$36,450
99	TYPE OF T CLASS OF METHOD OF		:	MAIN 3 TRAFFIC CONTROL YARD RULES		MOVEMENTS	INVOLVED:	FREIGHT FREIGHT		5814 4364	15 МРН О
	EQUIPMENT	DERAILED:	•	NONE	•				,		
	PROBABLE	CAUSE: FA	ILURE OF TI	HE CREW OF EXTRA	5814 NORTH 7	TO COMPLY	WITH THE PR	RVISIONS	OF THE C	ARRIER YARD L	IMIT RULE.
~~~~~~	سم سمز محارضها فعاد سمز سمز مِمار مِمار	عمو محرّ جدر جدر عالا عدر عدر جدر جار جار	ر مدر صدر عدر عدر عدر شعر عدد عدد عد	نځ عمل	د عد عار ادار دار عار عار سار سار سار وحر عار		PO DOS DOS DOS DOS DOS DOS DOS DOS DOS	عمز عمز اممز اممار المو عمز الم		مند منذ عنز عنز منز منز منز منز مند شن منز من منز م	معل ميور يبين غير مين مير ميز مير معل معل مين يبير يبير مين مين مين مين
LN	12/28/81	-9:30 AM	NEW JOHNS	ONVILLE	TN	REAR~END	COLLISION	-	1	2	\$975,264
	TYPE OF T		en e e e	MAIN			· · · ·		•	٠	, ;
100		OPERATION	•	TRAFFIC CONTROL	•	MOVEMENTS	INVOLVED:	FREIGHT FREIGHT		X8072 X5123	0 МРН 30
A Comment	EQUIPMENT	DERAILED:		5 LOCOMOTIVE(S 7 CAR(S) 1 CABOOSE(S))				· .		
	PROBABLE		ILURE OF T	HE CREW OF EXTRA	5123 NORTH 1	TO OPERATE	THE TRAIN	IN ACCO	RDANCE · WI	TH RESTRICTED	PROCEED SIGNAL

U.S. Department of Transportation

Federal Railroad Administration

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