U.S. Department
Of Transportation

Federal Railroad
Administration

August 1997

ACCIDENT/INCIDENT

Bulletin

No. 165

CALENDAR YEAR 1996

always expect a train

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

400 Seventh St., S.W.
Washington, D.C. 20590

ERRATA

Please be advised that the following tables in Accident/Incident Bulletin No. 165 for calendar year 1996 contain minor discrepancies:

Table 14, page 30
Table 15, page 31
Table 38, page 56
Table 39, page 58
Table 46, page 69
Table 47, page 70
Table 48, page 71

Attached are replacement pages for these tables.

September 30, 1997

U.S. Department
of Transportation
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400 Seventh St., S.W.
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Table 47, page 70
Table 48, page 71

Attached are replacement pages for these tables.

September 30, 1997

TABLE 14. FATALITIES IN ACCIDENT/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1996

Type of Accident/Incident	Total Killed	..Employees On Duty.. Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers	Contract Workers
TRAIN ACCIDENTS									
Collisions	16	7	0	7	0	9	0	0	0
Derailments	6	4	0	4	0	0	0	2	0
Highway-Rail Crossing	32	1	0	1	0	0	18	13	0
Miscellaneous	3	3	0	3	0	0	0	0	0
Total	57	15	0	15	0	9	18	15	0
TRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	2	2	0	2	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0	0
Operating or on locomtives	0	0	0	0	0	0	0	0	0
Operating rail motorcars	0	0	0	0	0	0	0	0	0
Operating had brakes	1	1	0	1	0	0	0	0	0
Operating switches or derails	0	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0	0	0
Getting on or off cars or locomotives	12	1	0	1	0	2	1	8	0
Collisions, derailments, etc, (<=$6,300.00).	11	0	0	0	0	0	1	10	0
Highway-Rail crossing accidents/incidents	451	0	0	0	0	0	316	135	0
Struck by/ran into loc/car(not hwy-rr x-ing)	445	1	0	1	0	0	18	424	2
Servicing or maintenance of equipment	0	0	0	0	0	0	0	0	0
Maintenance of way and structures	5	0	5	5	0	0	0	0	0
Freight, baggage, express or mail	0	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0	0
Passenger car doors	0	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	4	0	0	0	0	1	0	3	0
Flying or falling objects, burns,etc.,N.O.C.	0	0	0	0	0	0	0	0	0
Operation of on-track work equipment	1	0	0	0	0	0	0	1	0
Assault	1	0	0	0	0	0	0	1	0
Other occurences	4	0	0	0	0	0	3	1	0
Total	937	5	5	10	0	3	339	583	2
NONTRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	0	0	0	0	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0	0
Operating or on locomtives	0	0	0	0	0	0	0	0	0
Operating rail motorcars	0	0	0	0	0	0	0	0	0
Operating had brakes	0	0	0	0	0	0	0	0	0
Operating switches or derails	0	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0	0	0
Getting on or off cars or locomotives	0	0	0	0	0	0	0	0	0
Highway-Rail crossing accidents/incidents	5	0	0	0	0	0	4	1	0
Struck by/ran into loc/car(not hwy-rr x-ing)	7	0	0	0	0	0	1	6	0
Servicing or maintenance of equipment	1	0	1	1	0	0	0	0	0
Maintenance of way and structures	5	0	3	3	0	0	0	0	2
Freight, baggage, express or mail	0	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0	0
Passenger car doors	0	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	8	1	0	1	0	0	1	3	3
Flying or falling objects, burns,etc.,N.O.C.	4	0	0	0	0	0	0	3	1
Operation of on-track work equipment	0	0	0	0	0	0	0	0	0
Assault	1	0	0	0	0	0	0	1	0
Other occurences	14	1	2	3	0	0	2	8	1
Total	45	2	6	8	0	0	8	22	7
Grand Total	1,039	22	11	33	0	12	365	620	9

TABLE 15. INJURIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1996

Type of Accident/Incident	Total Injured	..Employees On Duty.. Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers	Contract Workers
TRAIN ACCIDENTS									
Collisions	146	47	23	70	0	73	0	0	3
Derailments	98	52	5	57	0	38	0	0	3
Highway-Rail Crossing	107	38	2	40	1	22	29	15	0
Miscellaneous	37	21	10	31	1	4	1	0	0
Total	388	158	40	198	2	137	30	15	6
TRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	62	59	3	62	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	13	12	1	13	0	0	0	0	0
Operating or on locomtives	312	301	10	311	1	0	0	0	0
Operating rail motorcars	18	9	9	18	0	0	0	0	0
Operating had brakes	33	32	1	33	0	0	0	0	0
Operating switches or derails	13	12	0	12	1	0	0	0	0
Contacting fixed objects while on locs/cars.	47	42	2	44	0	1	1	1	0
Getting on or off cars or locomotives	233	161	22	183	2	23	4	21	0
Collisions, derailments, etc, (<=$6,300.00).	74	41	10	51	0	0	6	16	1
Highway-Rail crossing accidents/incidents...	1,469	33	6	39	1	2	1,171	256	0
Struck by/ran into loc/car(not hwy-rr x-ing)	427	28	6	34	2	0	22	365	4
Servicing or maintenance of equipment	28	0	27	27	0	0	0	0	1
Maintenance of way and structures	50	0	49	49	0	0	0	0	1
Freight, baggage, express or mail	19	5	12	17	0	0	0	2	0
Windows, doors, etc., on on-track equipment.	66	39	12	51	0	15	0	0	0
Passenger car doors	4	1	0	1	0	3	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	133	44	31	75	4	35	4	15	0
Flying or falling objects, burns,etc.,N.O.C.	72	35	16	51	1	20	0	0	0
Operation of on-track work equipment	29	0	26	26	2	0	1	0	0
Assault	24	21	2	23	0	0	1	0	0
Other occurences	104	40	24	64	2	28	3	5	2
Total	3,230	915	269	1,184	16	127	1,213	681	9
NONTRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	211	197	13	210	1	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	154	123	31	154	0	0	0	0	0
Operating or on locomtives	304	262	40	302	0	0	0	0	2
Operating rail motorcars	13	7	4	11	0	0	0	0	2
Operating had brakes	196	185	11	196	0	0	0	0	0
Operating switches or derails	443	396	45	441	2	0	0	0	0
Contacting fixed objects while on locs/cars.	13	4	6	10	0	2	1	0	0
Getting on or off cars or locomotives	697	425	118	543	1	133	8	2	10
Highway-Rail crossing accidents/incidents...	34	0	0	0	0	0	29	5	0
Struck by/ran into loc/car(not hwy-rr x-ing)	22	6	2	8	1	0	4	8	1
Servicing or maintenance of equipment	1,596	33	1,546	1,579	9	0	0	0	8
Maintenance of way and structures	2,038	21	1,958	1,979	9	0	0	0	50
Freight, baggage, express or mail	109	16	87	103	2	0	1	0	3
Windows, doors, etc., on on-track equipment.	209	121	68	189	2	9	2	0	7
Passenger car doors	12	0	1	1	0	11	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	1,425	458	476	934	84	75	282	15	35
Flying or falling objects, burns,etc.,N.O.C.	198	81	72	153	8	2	8	9	18
Operation of on-track work equipment	47	2	42	44	3	0	0	0	0
Assault	120	42	54	96	4	5	10	3	2
Other occurences	1,099	252	612	864	84	12	72	12	55
Total	8,940	2,631	5,186	7,817	210	249	417	54	193
Grand Total	12,558	3,704	5,495	9,199	228	513	1,660	750	208

TABLE 38. PART I: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Tot
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	0	0	0	2	5	0	7	1	0	2	3	87	0	93
Burlington Northern Santa Fe Corp.	2	0	0	2	0	0	4	1	0	0	79	87	1	168
Consolidated Rail Corp.	1	0	0	0	0	0	1	0	0	0	26	20	0	46
CSX Transportation	3	0	0	0	3	0	6	3	0	0	24	63	0	90
Denver & Rio Grande Western Railroad	2	0	0	0	0	0	2	0	0	0	6	1	0	7
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	0	0	0	0	9	1	0	10
Illinois Central Railroad Co.	1	0	0	2	0	0	3	0	0	0	8	7	0	15
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	24	2	0	26
Norfolk Southern Corp.	0	0	0	1	0	0	1	1	0	0	40	64	0	105
Soo Line Railroad Co.	0	0	0	0	0	0	0	0	0	0	4	4	0	8
Southern Pacific Transportation Co.	0	0	0	1	2	0	3	1	0	0	23	71	0	95
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0	0	0	0	16	3	1	20
Union Pacific Railroad Co.	0	0	0	5	0	0	5	2	0	0	59	92	0	153
Total Class I Railroads.....	9	0	0	13	10	0	32	9	0	2	321	502	2	836
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida East Coast Railway Co.	0	0	0	2	0	0	2	0	0	0	2	19	0	21
Guilford Railroad System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Long Island Rail Road	0	0	0	0	1	0	1	0	0	0	0	7	0	7
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Metro North Commuter Railroad Co.	0	0	0	0	1	0	1	0	0	0	0	2	0	2
Montana Rail Link	0	0	0	0	1	0	1	0	0	0	3	0	0	3
Northern Indiana Commuter Trans.	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	7	0	7
New Jersey Transit Rail Operations	2	0	1	0	0	0	3	0	0	0	0	11	0	11
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	1	0	1	0	0	0	0	4	0	4
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Group II Railroads **.....	2	0	1	2	5	0	10	1	0	0	10	71	0	82
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	9	0	0	13	10	0	32	9	0	2	321	502	2	836
Group II Railroads **	2	0	1	2	5	0	10	1	0	0	10	71	0	82
All Other Railroads	4	0	8	3	0	0	15	0	0	1	8	10	0	19
Total All Railroads	15	0	9	18	15	0	57	10	0	3	339	583	2	937

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 38. PART II: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<< NON-TRAIN INCIDENTS >>							<<.....TOTALS.....>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Tot
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	0	0	0	0	1	0	1	1	0	2	5	93	0	10
Burlington Northern Santa Fe Corp.	1	0	0	1	0	0	2	4	0	0	82	87	1	17
Consolidated Rail Corp.	0	0	0	5	1	0	6	1	0	0	31	21	0	5
CSX Transportation	2	0	0	0	2	1	5	8	0	0	24	68	1	10
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	2	0	0	6	1	0	
Grand Trunk Western Railroad Inc.	0	0	0	0	1	0	1	0	0	0	9	2	0	1
Illinois Central Railroad Co.	1	0	0	0	0	0	1	2	0	0	10	7	0	1
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	24	2	0	2
Norfolk Southern Corp.	1	0	0	0	1	0	2	2	0	0	41	65	0	10
Soo Line Railroad Co.	0	0	0	0	2	1	3	0	0	0	4	6	1	1
Southern Pacific Transportation Co.	0	0	0	1	0	0	1	1	0	0	25	73	0	9
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0	0	0	0	16	3	1	2
Union Pacific Railroad Co.	2	0	0	1	2	1	6	4	0	0	65	94	1	16
Total Class I Railroads.....	7	0	0	8	10	3	28	25	0	2	342	522	5	89
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	1	0	
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	
Delaware & Hudson Railway Co.	0	0	0	0	1	0	1	0	0	0	0	1	0	
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Florida East Coast Railway Co.	0	0	0	0	0	0	0	0	0	0	4	19	0	2
Guilford Railroad System	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	3	0	
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	
Long Island Rail Road	0	0	0	0	1	0	1	0	0	0	0	9	0	
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0	0	0	0	0	6	0	
Metro North Commuter Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	3	0	
Montana Rail Link	0	0	0	0	1	0	1	0	0	0	3	2	0	
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0	0	0	0	0	1	0	
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	7	0	
New Jersey Transit Rail Operations	0	0	0	0	5	1	6	2	0	1	0	16	1	2
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	3	0	
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Southern California Regional Rail	0	0	0	0	0	0	0	0	0	0	0	5	0	
Southeastern Pennsylvania Trans.	0	0	0	0	1	0	1	0	0	0	0	5	0	
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	1	1	0	
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0	0	0	0	0	
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wisconsin Central Ltd. (also Railway)	0	0	0	0	1	0	1	0	0	0	2	2	0	
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	
Total Group II Railroads **.....	0	0	0	0	10	1	11	3	0	1	12	86	1	10
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	7	0	0	8	10	3	28	25	0	2	342	522	5	89
Group II Railroads **	0	0	0	0	10	1	11	3	0	1	12	86	1	10
All Other Railroads	1	0	0	0	2	3	6	5	0	9	11	12	3	4
Total All Railroads	8	0	0	8	22	7	45	33	0	12	365	620	9	1,03

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

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TABLE 39. PART I : NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Tota
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	32	0	15	2	5	0	54	153	7	55	5	54	0	27
Burlington Northern Santa Fe Corp.	26	0	0	6	3	0	35	107	2	3	148	102	0	36
Consolidated Rail Corp.	5	0	0	1	0	0	6	92	1	0	52	59	1	20
CSX Transportation	13	0	0	7	2	0	22	71	0	0	158	77	0	30
Denver & Rio Grande Western Railroad	1	0	0	0	0	0	1	10	0	0	12	0	0	2
Grand Trunk Western Railroad Inc.	2	0	0	0	0	0	2	14	0	0	19	4	0	3
Illinois Central Railroad Co.	2	0	0	0	0	1	3	14	0	0	51	10	0	7
Kansas City Southern Railway Co.	9	0	0	3	0	0	12	21	0	0	66	8	0	9
Norfolk Southern Corp.	7	0	0	0	0	0	7	39	0	0	158	82	1	28
Soo Line Railroad Co.	9	0	0	0	0	0	9	44	1	0	28	6	0	7
Southern Pacific Transportation Co.	13	0	0	0	1	1	15	67	1	0	67	60	1	19
St. Louis Southwestern Railway Co.	1	0	0	2	0	0	3	17	0	0	30	1	0	4
Union Pacific Railroad Co.	23	0	0	1	0	0	24	165	2	2	201	114	2	48
Total Class I Railroads.....	143	0	15	22	11	2	193	814	14	60	995	577	5	2,46
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	7	0	0	0	1	0	8
Alaska Railroad Corp.	0	0	0	0	0	0	0	3	0	3	0	1	0	7
Bangor & Aroostook Railroad	3	0	0	0	0	0	3	1	0	0	1	0	0	2
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	2	0	0	1	0	0	3	3	0	0	8	1	0	12
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	2	0	0	0	3	0	5
Dakota, Minnesota & Eastern Railroad	1	0	0	0	0	0	1	3	0	0	6	1	0	10
Duluth, Missabe & Iron Range Railway	0	0	0	1	0	0	1	9	0	0	0	0	0	9
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Elgin, Joliet & Eastern Railway Co.	2	0	0	0	0	0	2	7	0	0	2	0	0	9
Florida East Coast Railway Co.	0	0	0	0	1	0	1	9	0	0	4	14	0	27
Guilford Railroad System	0	0	0	0	0	0	0	2	0	0	0	3	0	5
Gateway Western Railway	0	0	0	0	0	0	0	1	0	0	0	1	0	2
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	6	0	0	0	8	0	14
Long Island Rail Road	6	2	3	0	1	0	12	40	1	23	3	11	1	79
Massachusettes Bay Transit Authority	5	0	17	0	0	0	22	3	0	0	0	3	0	6
Metro North Commuter Railroad Co.	1	0	0	0	0	0	1	52	1	0	0	3	1	57
Montana Rail Link	6	0	0	0	0	2	8	15	0	0	4	0	0	19
Northern Indiana Commuter Trans.	1	0	0	0	0	0	1	0	0	0	1	0	0	1
Northeast Illinois Regional Comuter	3	0	15	1	0	0	19	6	0	7	3	11	0	27
New Jersey Transit Rail Operations	3	0	62	0	0	0	65	7	0	5	0	4	0	16
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	8	0	5	1	0	0	14
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Assoc.	1	0	0	0	0	0	1	2	0	0	3	0	0	5
Southern California Regional Rail	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	6	0	10	0	0	0	16	22	0	6	1	1	0	30
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	3	0	0	0	1	0	4
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	2	0	0	2	1	0	5
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	5	0	0	0	0	0	5
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	13	0	0	48	7	0	68
Wheeling & Lake Erie Railway Co.	1	0	0	0	0	0	1	3	0	0	8	2	0	13
Total Group II Railroads **.....	41	2	107	3	3	2	158	235	2	49	97	79	2	464
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	143	0	15	22	11	2	193	814	14	60	995	577	5	2,465
Group II Railroads **	41	2	107	3	3	2	158	235	2	49	97	79	2	464
All Other Railroads	14	0	15	5	1	2	37	135	0	18	121	25	2	301
Total All Railroads	198	2	137	30	15	6	388	1,184	16	127	1,213	681	9	3,230

** Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 39. PART II : NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<< NON-TRAIN INCIDENTS >>							<<.....TOTALS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Tota
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	801	27	32	18	1	2	881	986	34	102	25	60	2	1,209
Burlington Northern Santa Fe Corp.	742	26	9	6	6	22	811	875	28	12	160	111	22	1,208
Consolidated Rail Corp.	573	20	0	2	3	4	602	670	21	0	55	62	5	813
CSX Transportation	490	21	0	4	1	3	519	574	21	0	169	80	3	847
Denver & Rio Grande Western Railroad	78	1	0	0	0	0	79	89	1	0	12	0	0	102
Grand Trunk Western Railroad Inc.	136	4	0	1	0	3	144	152	4	0	20	4	3	183
Illinois Central Railroad Co.	72	0	0	1	0	0	73	88	0	0	52	10	1	151
Kansas City Southern Railway Co.	59	0	0	0	0	0	59	89	0	0	69	8	0	166
Norfolk Southern Corp.	246	15	0	14	12	83	370	292	15	0	172	94	84	657
Soo Line Railroad Co.	316	5	0	2	0	0	323	369	6	0	30	6	0	411
Southern Pacific Transportation Co.	355	15	0	2	0	2	374	435	16	0	69	61	4	585
St. Louis Southwestern Railway Co.	68	4	0	0	0	0	72	86	4	0	32	1	0	123
Union Pacific Railroad Co.	744	40	29	44	12	5	874	932	42	31	246	126	7	1,384
Total Class I Railroads.....	4,680	178	70	94	35	124	5,181	5,637	192	145	1,111	623	131	7,839
GROUP II RAILROADS **														
Alton & Southern Railroad	6	0	0	0	0	0	6	13	0	0	0	1	0	14
Alaska Railroad Corp.	42	0	0	0	1	2	45	45	0	3	0	2	2	52
Bangor & Aroostook Railroad	32	0	0	0	0	0	32	36	0	0	1	0	0	37
Bessemer & Lake Erie Railroad Co.	12	0	0	0	0	0	12	12	0	0	0	0	0	12
Belt Railway Co. Of Chicago	12	0	0	0	0	0	12	13	0	0	0	0	0	13
Birmingham Southern Railroad Co.	12	0	0	0	0	0	12	12	0	0	0	0	0	12
Chicago, Central & Pacific Railroad	39	1	0	0	0	0	40	44	1	0	9	1	0	55
Delaware & Hudson Railway Co.	41	0	0	0	0	0	41	43	0	0	0	3	0	46
Dakota, Minnesota & Eastern Railroad	18	0	0	0	0	0	18	22	0	0	6	1	0	29
Duluth, Missabe & Iron Range Railway	56	0	0	0	0	0	56	65	0	0	1	0	0	66
Duluth, Winnipeg & Pacific Railway	8	0	0	0	0	0	8	8	0	0	2	0	0	10
Elgin, Joliet & Eastern Railway Co.	36	0	0	0	0	1	37	45	0	0	2	0	1	48
Florida East Coast Railway Co.	36	0	0	8	1	0	45	45	0	0	12	16	0	73
Guilford Railroad System	16	0	0	0	0	0	16	18	0	0	0	3	0	21
Gateway Western Railway	16	3	0	0	0	0	19	17	3	0	0	1	0	21
Houston Belt & Terminal Railway Co.	6	0	0	0	0	0	6	6	0	0	0	1	0	7
Indiana Harbor Belt Railroad Co.	21	0	0	0	1	0	22	27	0	0	0	9	0	36
Long Island Rail Road	462	5	48	127	8	4	654	508	8	74	130	20	5	745
Massachusettes Bay Transit Authority	88	1	1	1	0	0	91	96	1	18	1	3	0	119
Metro North Commuter Railroad Co.	480	14	1	17	1	28	541	533	15	1	17	4	29	599
Montana Rail Link	46	0	0	0	1	0	47	67	0	0	4	1	2	74
Northern Indiana Commuter Trans.	24	0	4	1	0	0	29	25	0	4	2	0	0	31
Northeast Illinois Regional Comuter	125	4	45	40	3	2	219	134	4	67	44	14	2	265
New Jersey Transit Rail Operations	76	2	13	15	1	0	107	86	2	80	15	5	0	188
Paducah & Louisville Railway Co.	20	0	0	0	0	1	21	20	0	0	0	1	1	22
Port Authority Trans Hudson	105	0	16	53	0	0	174	113	0	21	54	0	0	188
Peninsular Commuter (San Mateo County)	14	0	0	0	0	0	14	14	0	0	0	0	0	14
Port Terminal Railroad Assoc.	3	0	0	1	0	0	4	6	0	0	4	0	0	10
Southern California Regional Rail	3	0	0	0	0	0	3	3	0	0	0	1	0	4
Southeastern Pennsylvania Trans.	170	0	37	36	1	0	244	198	0	53	37	2	0	290
Southern Pacific, Chicago-St. Louis	2	0	0	0	0	0	2	5	0	0	0	1	0	6
Terminal Railroad Assoc. Of St. Louis	13	0	0	0	0	1	14	15	0	0	2	1	1	19
Union Railroad Company (Pittsburgh)	23	0	0	0	0	0	23	28	0	0	0	0	0	28
Wisconsin Central Ltd. (also Railway)	97	0	0	3	0	1	101	110	0	0	51	7	1	169
Wheeling & Lake Erie Railway Co.	7	0	0	1	0	0	8	11	0	0	9	2	0	22
Total Group II Railroads **.....	2,167	30	165	303	18	40	2,723	2,443	34	321	403	100	44	3,345
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	4,680	178	70	94	35	124	5,181	5,637	192	145	1,111	623	131	7,839
Group II Railroads **	2,167	30	165	303	18	40	2,723	2,443	34	321	403	100	44	3,345
All Other Railroads	970	2	14	20	1	29	1,036	1,119	2	47	146	27	33	1,374
Total All Railroads	7,817	210	249	417	54	193	8,940	9,199	228	513	1,660	750	208	12,558

** Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 46. FATALITIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Fatal A/I	Total Killed	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	6	9	8	0	8	0	0	0	0	1
Group II Railroads **	22	2	4	2	0	2	0	1	0	0	1
All Other Railroads	15	2	12	4	0	4	0	8	0	0	0
Total All Railroads	102	10	25	14	0	14	0	9	0	0	2
TRAIN INCIDENTS											
Class I Railroads	1,607	410	418	4	5	9	0	2	22	2	383
Group II Railroads **	384	58	59	1	0	1	0	0	1	0	57
All Other Railroads	165	9	9	0	0	0	0	1	0	0	8
Total All Railroads	2,156	477	486	5	5	10	0	3	23	2	448
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	23	23	2	5	7	0	0	4	3	9
Group II Railroads **	2,710	11	11	0	0	0	0	0	0	1	10
All Other Railroads	1,032	6	6	0	1	1	0	0	0	3	2
Total All Railroads	8,836	40	40	2	6	8	0	0	4	7	21
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	372	446	1	0	1	0	0	316	0	129
Group II Railroads **	134	28	29	0	0	0	0	0	11	0	18
All Other Railroads	130	13	13	0	0	0	0	0	11	0	2
Total All Railroads	1,578	413	488	1	0	1	0	0	338	0	149
T O T A L S											
Class I Railroads	8,080	811	896	15	10	25	0	2	342	5	522
Group II Railroads **	3,250	99	103	3	0	3	0	1	12	1	86
All Other Railroads	1,342	30	40	4	1	5	0	9	11	3	12
Total All Railroads	12,672	940	1,039	22	11	33	0	12	365	9	620

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in at least one fatality.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 47. INJURIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Injury A/I	Total Injured	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	58	130	81	32	113	0	14	1	2	0
Group II Railroads **	22	20	123	25	5	30	1	90	0	2	0
All Other Railroads	15	13	25	11	1	12	0	11	0	2	0
Total All Railroads	102	91	278	117	38	155	1	115	1	6	0
TRAIN INCIDENTS											
Class I Railroads	1,607	1,189	1,238	575	194	769	14	58	25	5	367
Group II Railroads **	384	316	322	175	39	214	1	49	11	2	45
All Other Railroads	165	152	168	103	26	129	0	18	6	2	13
Total All Railroads	2,156	1,657	1,728	853	259	1,112	15	125	42	9	425
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	5,016	5,102	1,757	2,870	4,627	178	70	75	122	30
Group II Railroads **	2,710	2,644	2,665	553	1,559	2,112	29	165	301	40	18
All Other Railroads	1,032	1,015	1,017	297	662	959	2	14	12	29	1
Total All Railroads	8,836	8,675	8,784	2,607	5,091	7,698	209	249	388	191	49
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	941	1,300	55	6	61	0	3	1,010	0	226
Group II Railroads **	134	106	159	10	2	12	2	17	91	0	37
All Other Railroads	130	117	149	4	0	4	0	4	128	0	13
Total All Railroads	1,578	1,164	1,608	69	8	77	2	24	1,229	0	276
T O T A L S											
Class I Railroads	8,080	7,204	7,770	2,468	3,102	5,570	192	145	1,111	129	623
Group II Railroads **	3,250	3,086	3,269	763	1,605	2,368	33	321	403	44	100
All Other Railroads	1,342	1,297	1,359	415	689	1,104	2	47	146	33	27
Total All Railroads	12,672	11,587	12,398	3,646	5,396	9,042	227	513	1,660	206	750

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in reportable injury/injuries only.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 48 . ILLNESSES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Illness A/I	Total Illness	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	1	1	1	0	1	0	0	0	0	0
Group II Railroads **	22	0	2	2	0	2	0	0	0	0	0
All Other Railroads	15	0	0	0	0	0	0	0	0	0	0
Total All Railroads	102	1	3	3	0	3	0	0	0	0	0
TRAIN INCIDENTS											
Class I Railroads	1,607	8	11	9	2	11	0	0	0	0	0
Group II Railroads **	384	10	18	17	1	18	0	0	0	0	0
All Other Railroads	165	4	4	3	1	4	0	0	0	0	0
Total All Railroads	2,156	22	33	29	4	33	0	0	0	0	0
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	55	55	7	46	53	0	0	0	2	0
Group II Railroads **	2,710	55	56	14	41	55	1	0	0	0	0
All Other Railroads	1,032	11	11	3	8	11	0	0	0	0	0
Total All Railroads	8,836	121	122	24	95	119	1	0	0	2	0
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	1	2	2	0	2	0	0	0	0	0
Group II Railroads **	134	0	0	0	0	0	0	0	0	0	0
All Other Railroads	130	0	0	0	0	0	0	0	0	0	0
Total All Railroads	1,578	1	2	2	0	2	0	0	0	0	0
T O T A L S											
Class I Railroads	8,080	65	69	19	48	67	0	0	0	2	0
Group II Railroads **	3,250	65	76	33	42	75	1	0	0	0	0
All Other Railroads	1,342	15	15	6	9	15	0	0	0	0	0
Total All Railroads	12,672	145	160	58	99	157	1	0	0	2	0

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in at least one case of occupational illness.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

NOTICE

This document is prepared from reports submitted by the railroads to the Federal Railroad Administration in accordance with Regulation 49 C.F.R. 225. These data have been edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or its use.

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

Railroads must file monthly accident/incident reports with the Federal Railroad Administration's (FRA) Office of Safety. Bulletin 165 is a summary of accident/incident data reported by 704 railroads for calendar year 1996.

There are three basic categories of reportable events: train accident; highway-rail accidents; and, any other event that results in a reportable casualty (death, injury, illness). An accident/incident report must be prepared whenever the event results in certain consequences. For example, a train accident must cause reportable damage above $6,300, but a highway-rail collision is reportable regardless of severity. Approximate 3.3% (141) of the 4,257 highway-rail accidents reported in 1996 exceeded the damage threshold required for train accidents. These 141 accidents appear in this publication as well as all reported casualties caused by highway-rail accident/incidents. When possible, the count of these are identified within the table or chart.

A complete compilation of all highway-rail incidents, including those that did not result in a casualties nor cause damage above the train accident threshold, can be found in the annual Highway-Rail Intersection Incident and Inventory Bulletin.

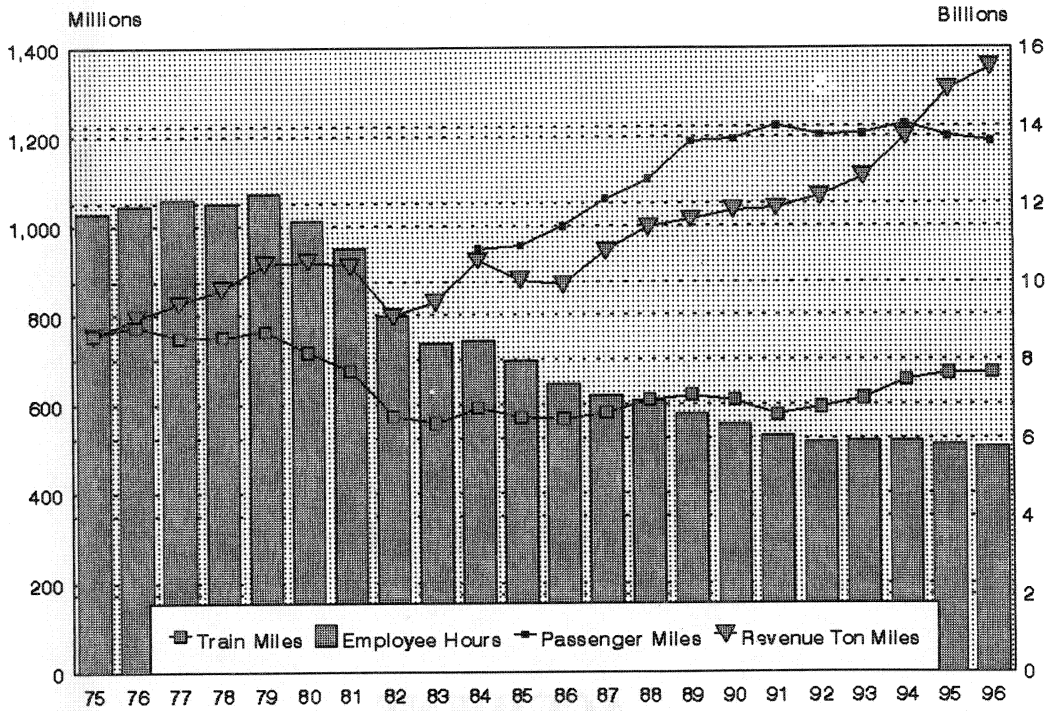
HISTORICAL

ACCIDENT

TRENDS

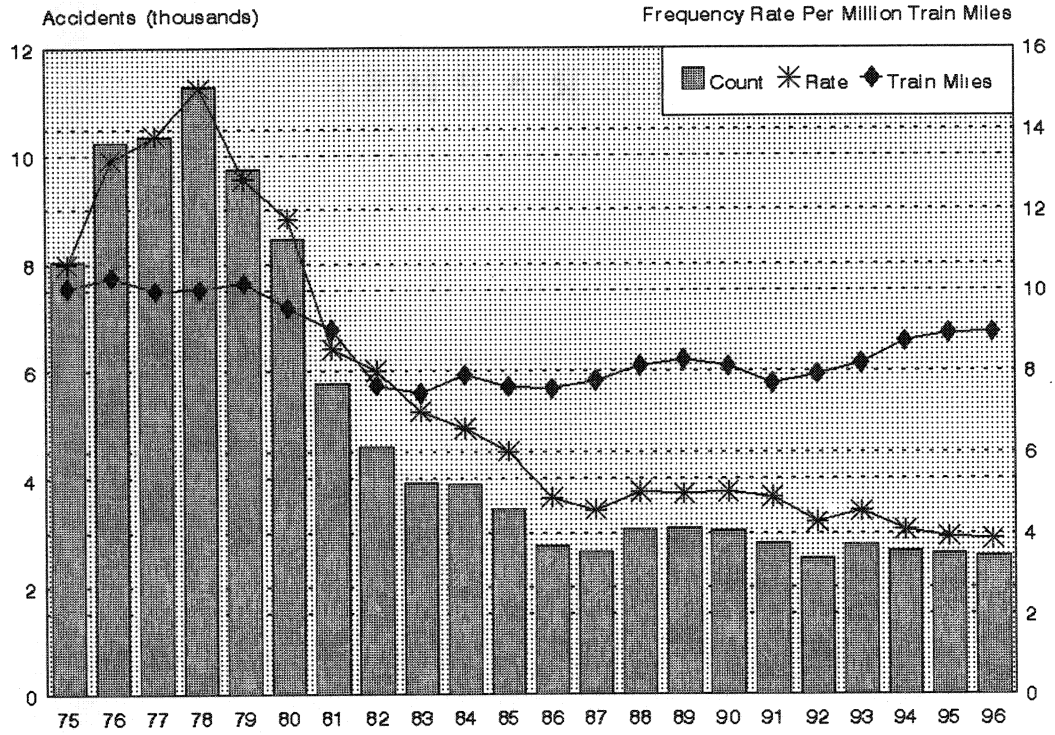
(G R A P H S)

FIGURE 1 - OPERATIONAL DATA



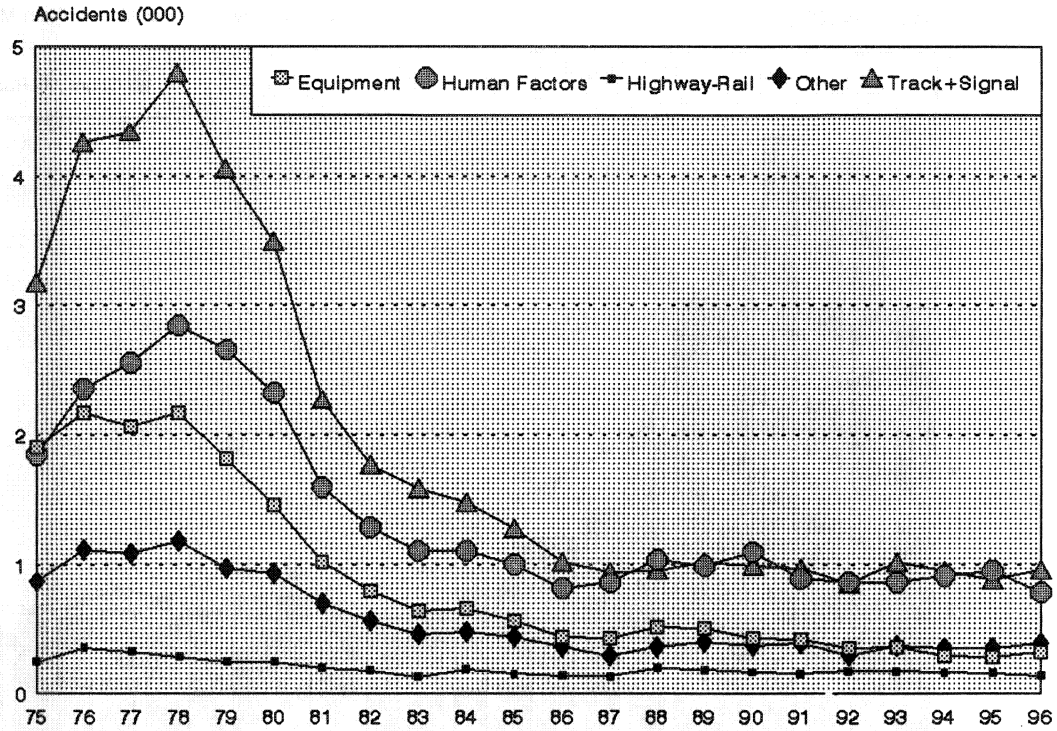
Train miles and employee hours are shown in millions using the left axis.
Revenue ton miles are shown in billions using the right axis.
Passenger miles are shown in billions using the right axis.

FIGURE 2 - TRAIN ACCIDENTS



In order to obtain comparable scaling, train miles have been divided by 100,000 in this chart.
Train miles are displayed using the left axis.

FIGURE 3 - TRAIN ACCIDENTS BY CAUSE



The highway-rail accidents appearing in this chart is limited to those that resulted in reportable damage above the threshold for train accidents.

FIGURE 4 - COLLISIONS

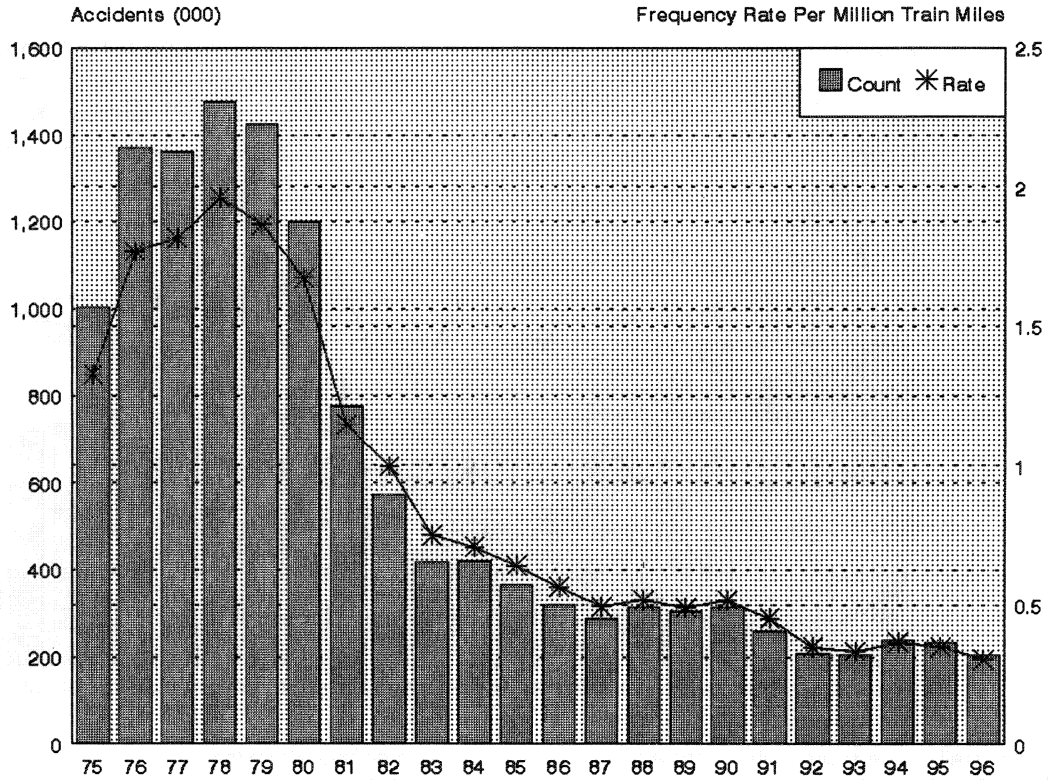


FIGURE 5 - DERAILMENTS

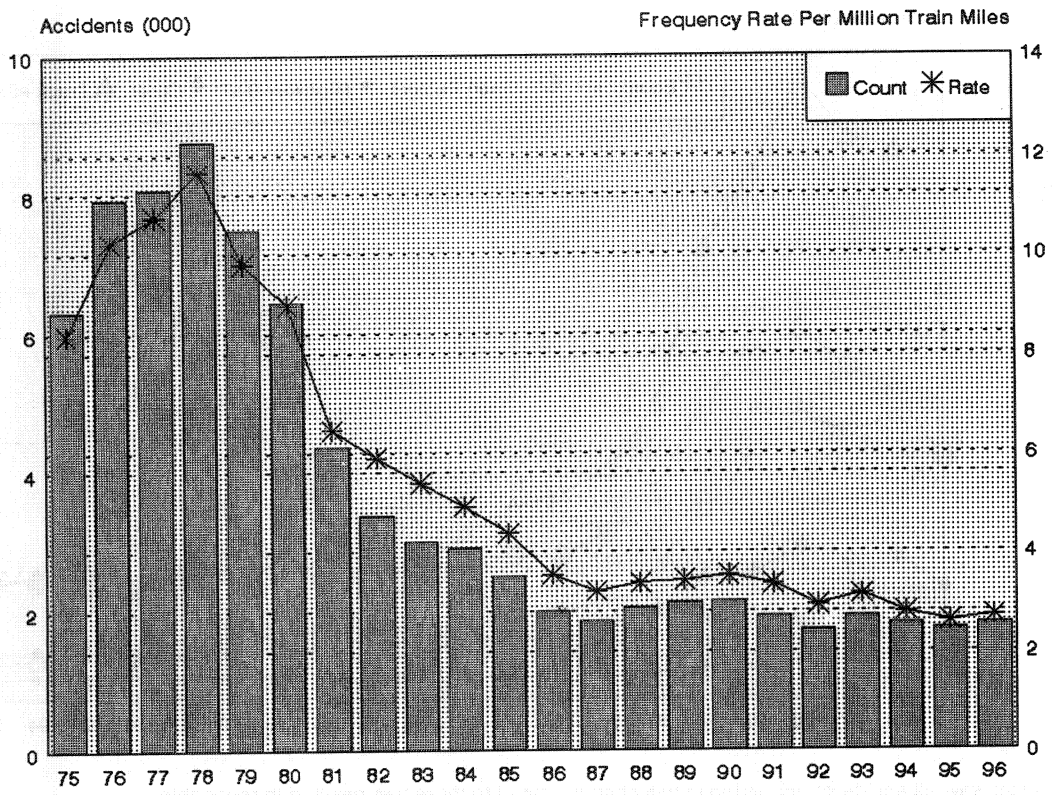
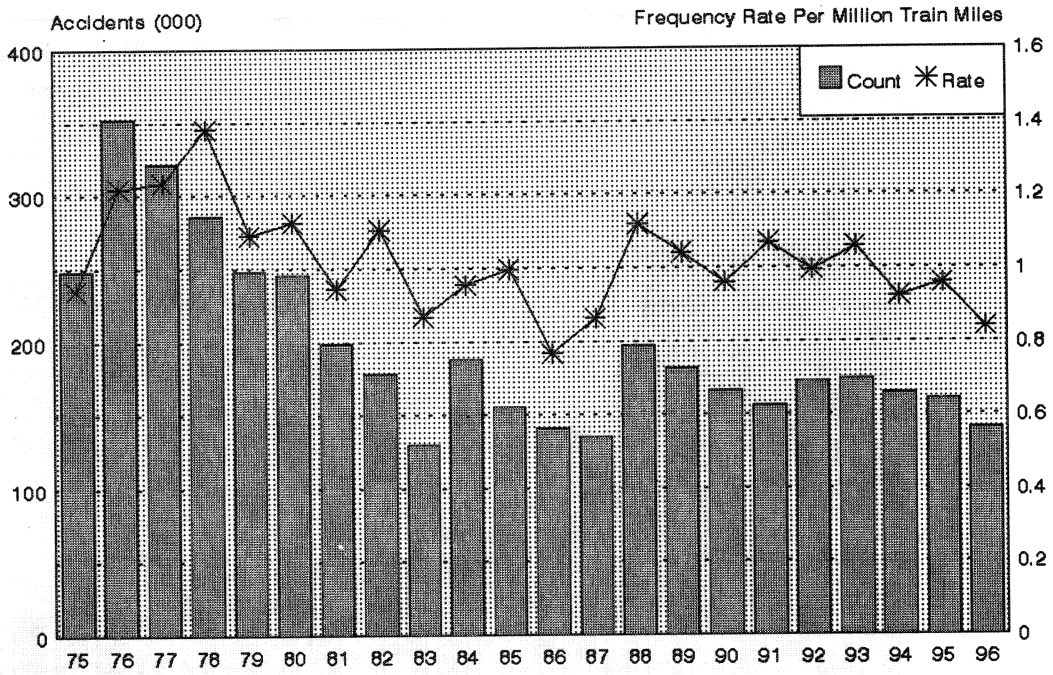


FIGURE 6 - OTHER TRAIN ACCIDENTS
Including Highway-Rail



Highway-rail accidents are limited to those that resulted in reportable damage above the dollar threshold used for reporting train accidents. Please refer to Highway-Rail Crossing Accident/Incident and Inventory Bulletin for total counts of crossing accidents.

FIGURE 7 - TRAIN ACCIDENTS
By Type of Track

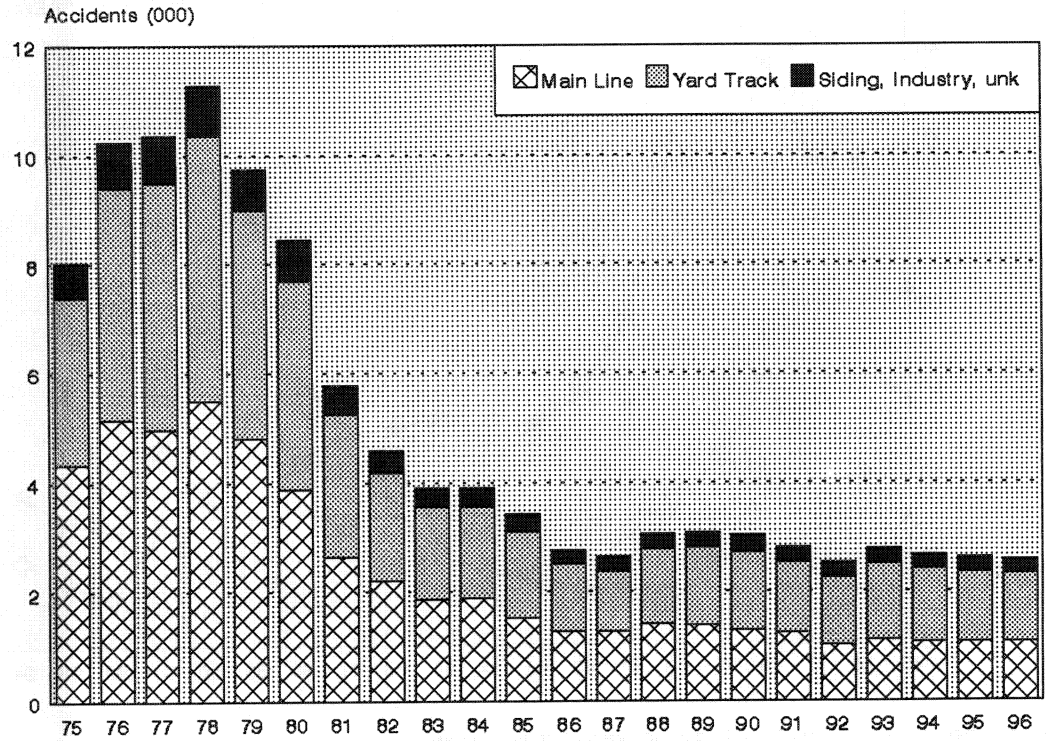
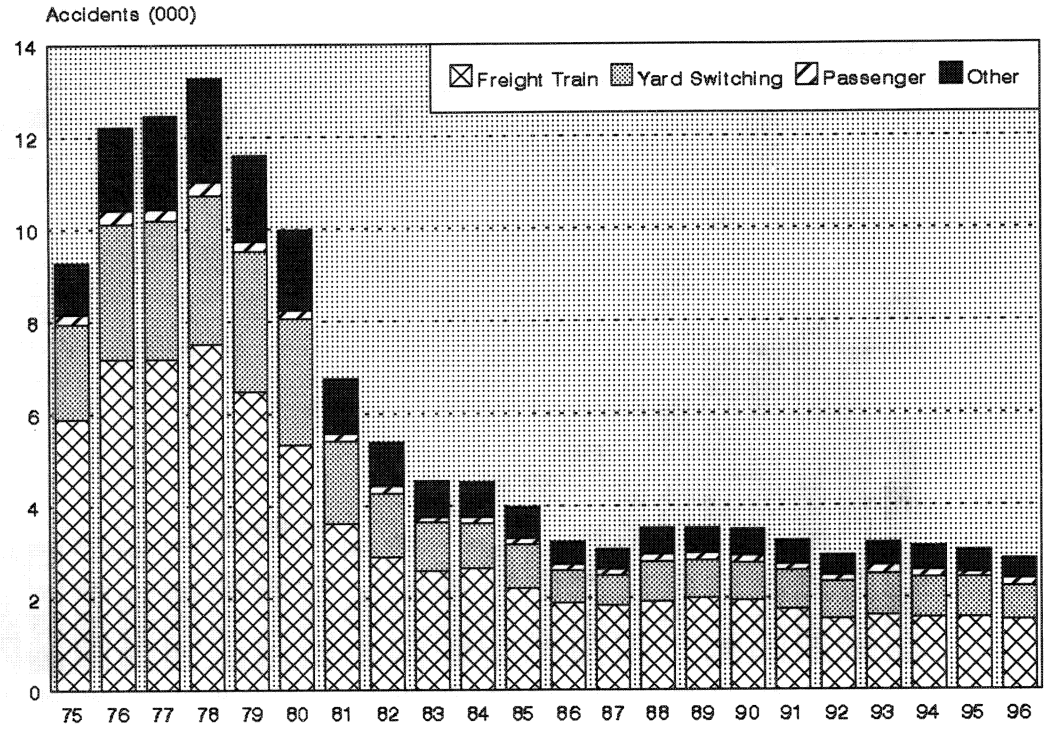
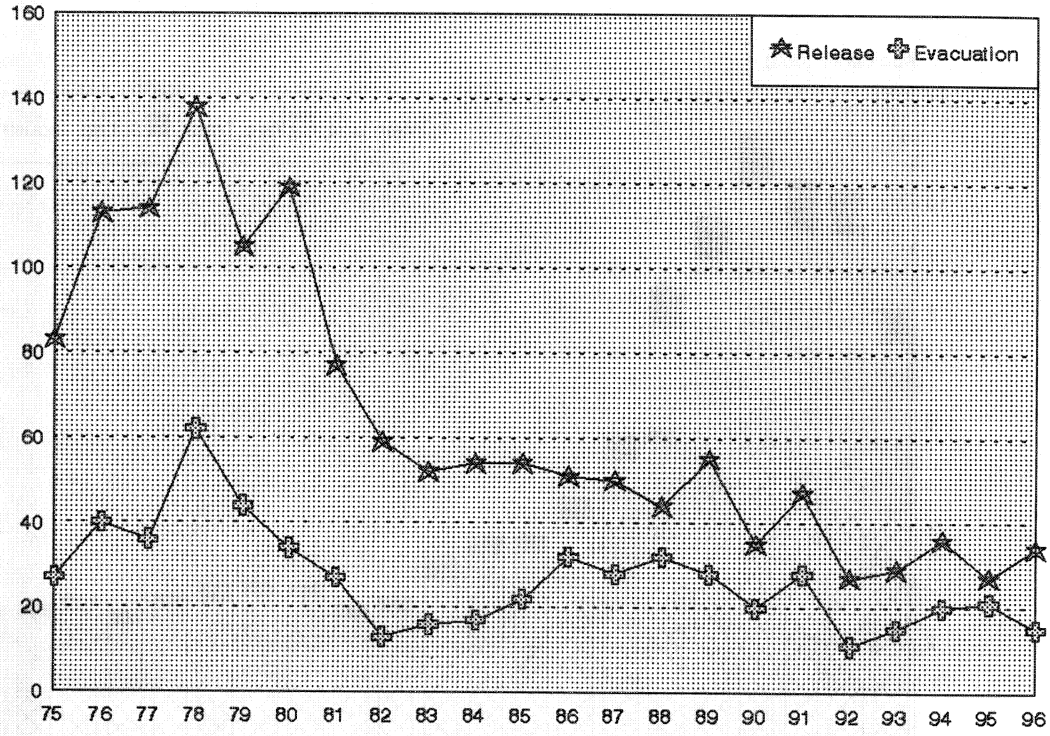


FIGURE 8 - EQUIPMENT INVOLVED IN TRAIN ACCIDENTS



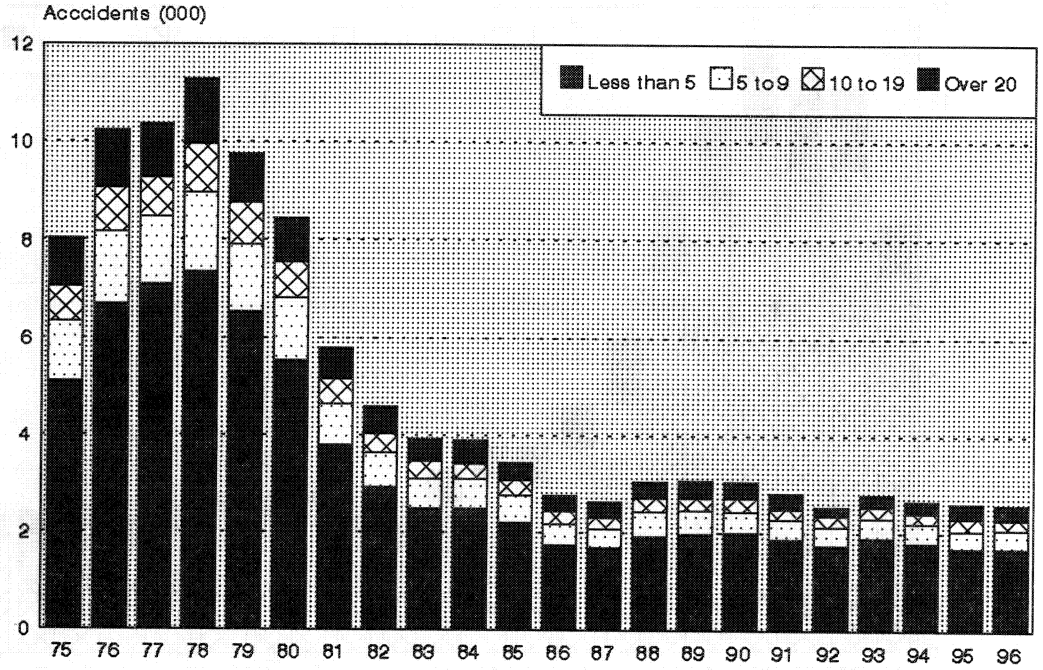
The counts appearing in this chart are higher than the number of accidents, since many accidents involve different types of equipment, e.g., a freight train side swipes a locomotive in a yard.

FIGURE 9 - TRAIN ACCIDENTS INVOLVING HAZMAT



The number of accidents that resulted in an evacuation is a subset of accidents in which there was a release of hazardous materials.

FIGURE 10 - TRAIN ACCIDENT SEVERITY
Counts Based on Multiple of Reporting Threshold



The threshold is normally adjusted every two years. In 1975 the threshold was $1,750; in 1991 it was set at $6,300 and has not changed since. This chart shows the number of accidents that exceed various multiples of the threshold. An accident does not appear in more than one group.

FIGURE 11 - TOTAL CASUALTIES
All Accidents/Incidents

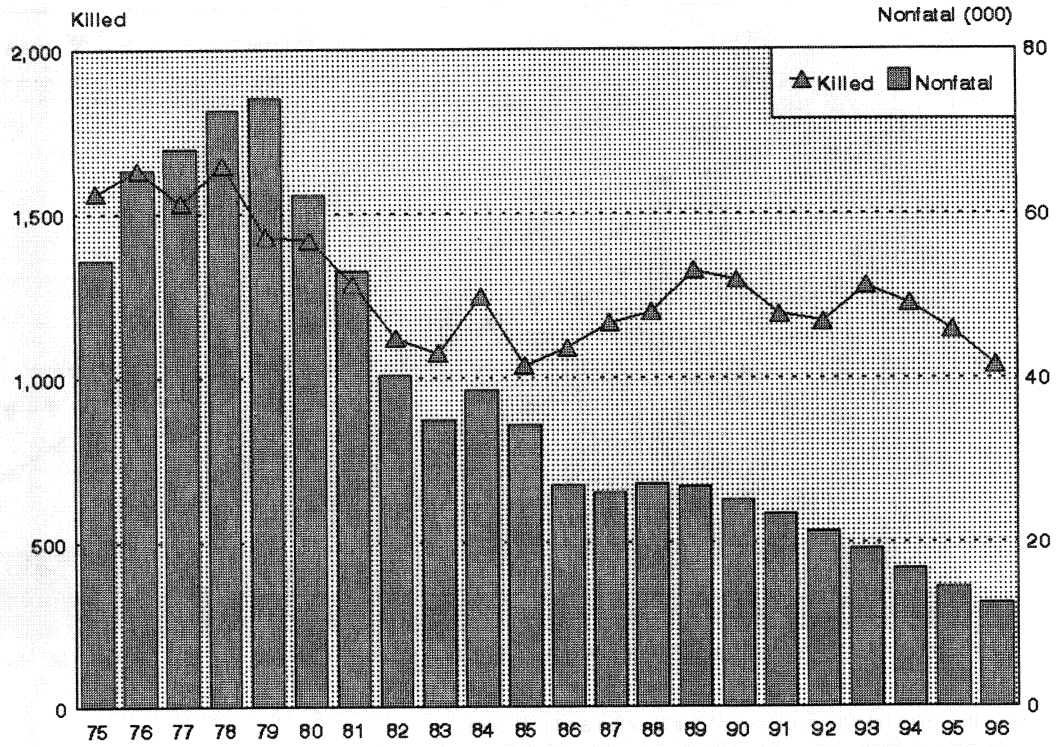
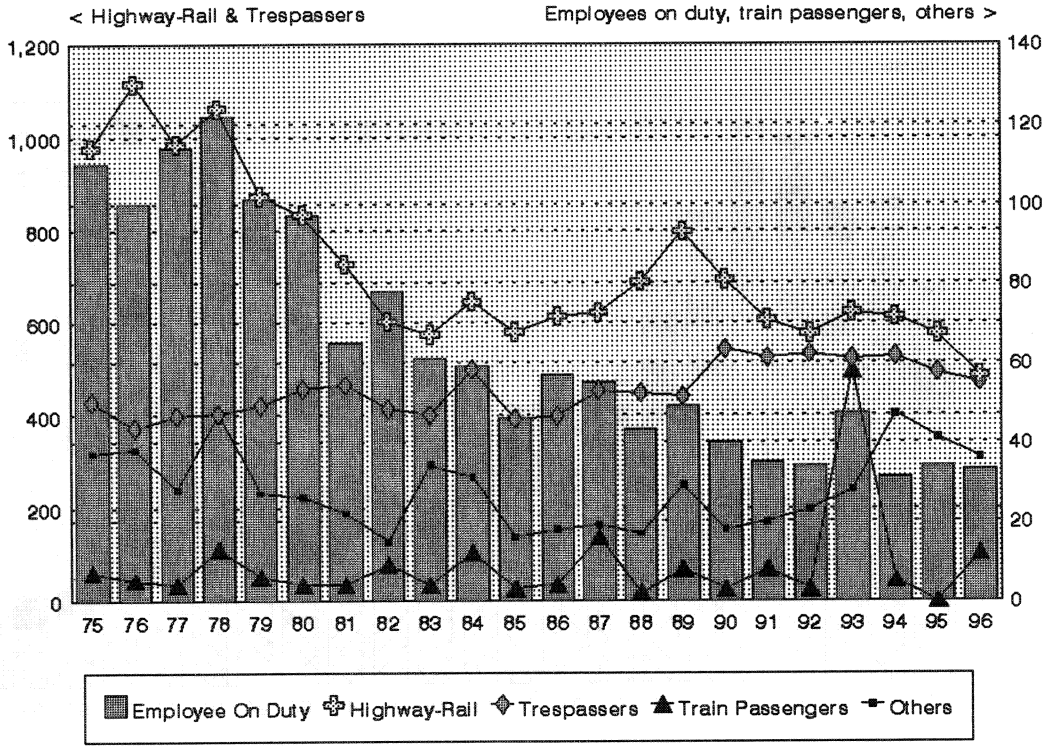
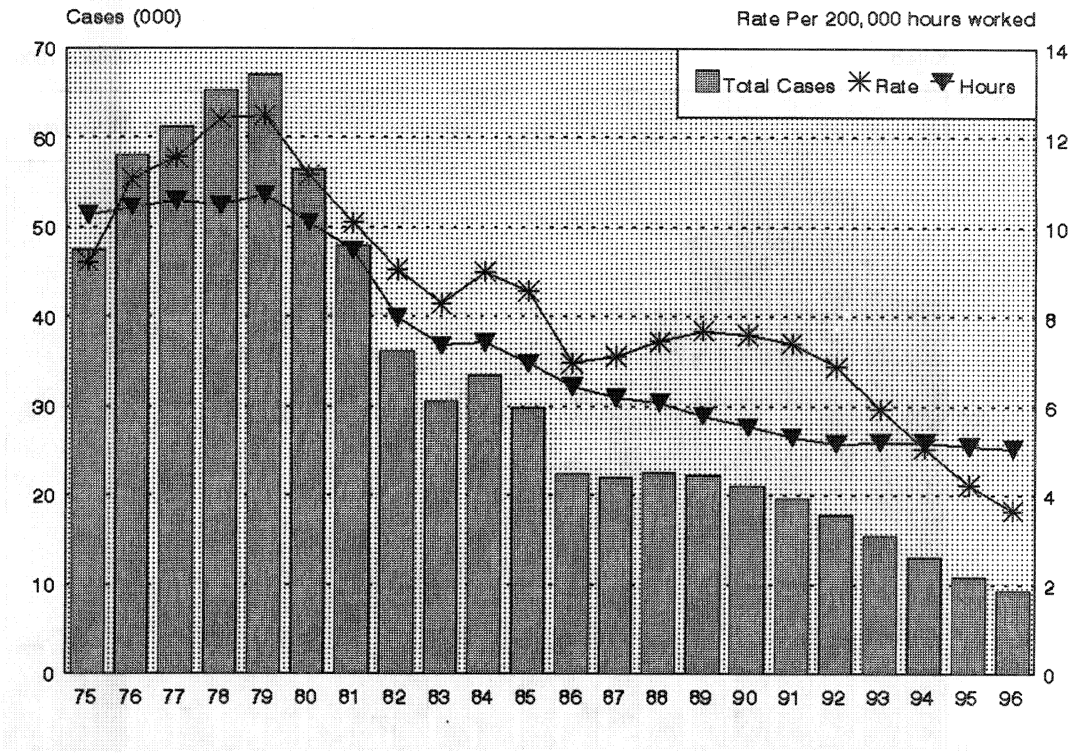


FIGURE 12 - TOTAL FATALITIES



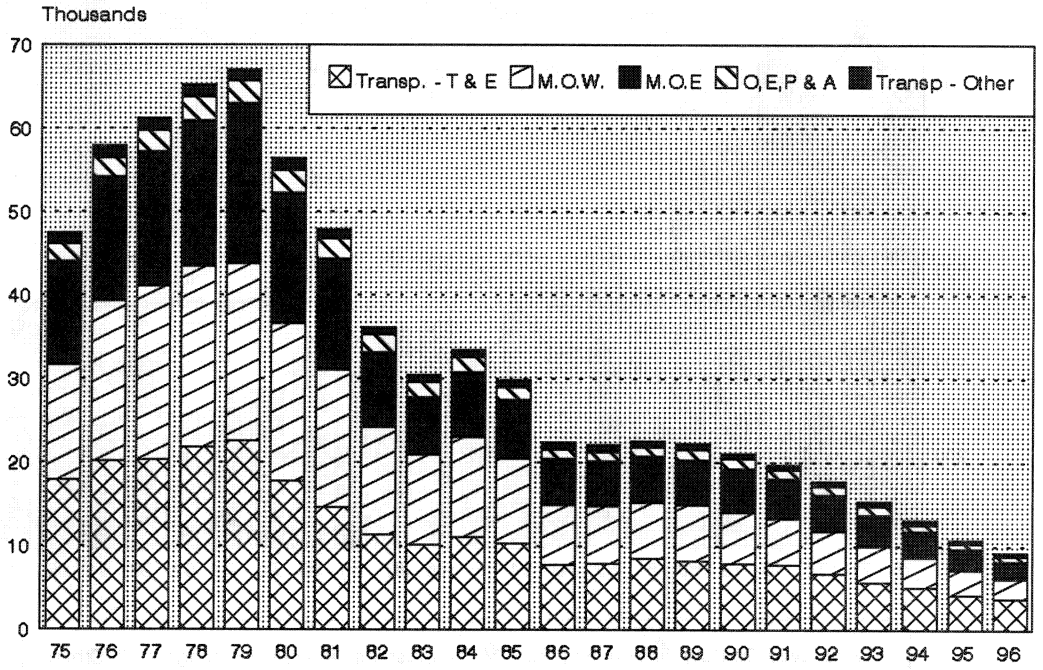
Highway-rail fatalities include all type persons except employees on duty.
"Others" include employees not on duty, contractor employees, and other persons whose presence on railroad property was not prohibited.

FIGURE 13 - EMPLOYEE ON DUTY CASUALTIES



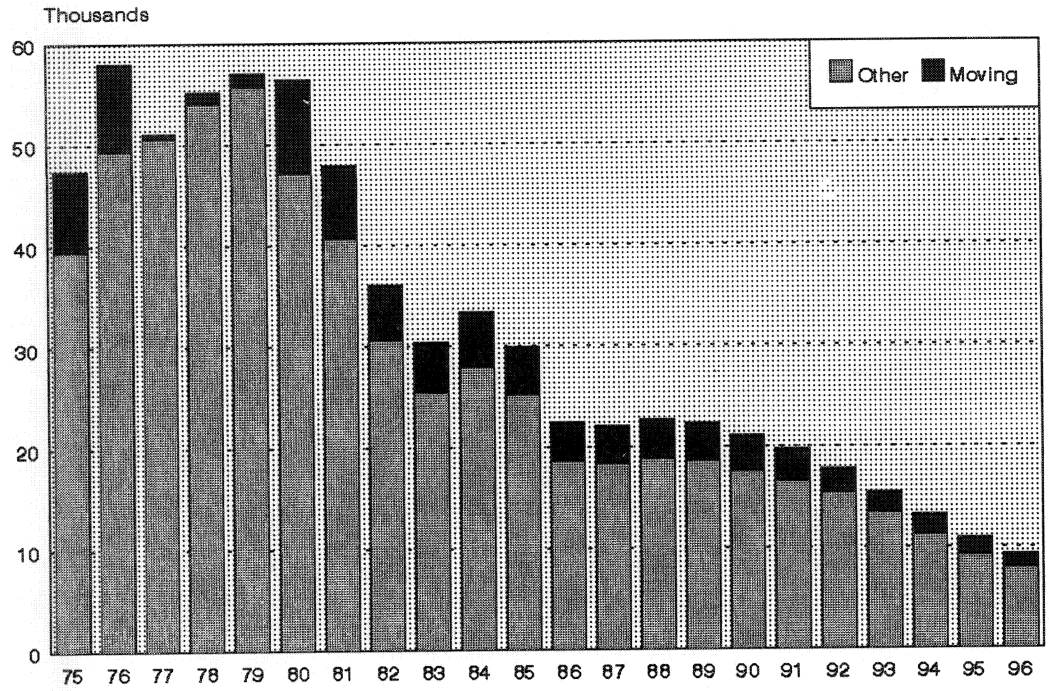
Total cases includes fatalities, plus nonfatal injuries and illnesses.
The total number of hours worked has been divided by 20,000 in order to obtain a comparable scale and are displayed using the left axis.

FIGURE 14 - EMPLOYEE ON DUTY CASES
By Occupational Category



A "Case" is a fatality, injury, or occupational illness.
T & E - Train and Engine Service; M.O.W. - Maintenance of Way; M.O.E. - Maintenance of Equipment and Stores; O, E, P & A - Officials, executives, professional and administrative.

FIGURE 15 - EMPLOYEE ON DUTY CASES
Moving On-Track Equipment VS Other Incidents



"Moving On-Track" incidents include train accidents and train incidents.
"Other" incidents are defined as "Nontrain" incidents.

HISTORICAL

ACCIDENT

TRENDS

(D A T A)

TABLE 1. RAILROAD OPERATIONAL PROFILE[1]

YEAR	EMPLOYEE HOURS	MOTOR TRAIN MILES	YARD SWITCHING MILES	LOCOMOTIVE TRAIN MILES	TOTAL TRAIN MILES
1991	530,661	28,112	88,519	460,204	576,835
1992	517,041	27,476	84,430	481,800	593,704
1993	519,673	28,419	87,122	498,433	613,974
1994	518,634	28,664	89,776	536,643	655,083
1995	510,260	24,324	89,892	555,607	669,823
1996	504,599	21,643	87,823	561,458	670,923

TABLE 2. REVENUE TON-MILES[2] (BILLIONS)

1991	1,038.9
1992	1,066.8
1993	1,109.3
1994	1,200.7
1995	1,305.7
1996	1,356.0

TABLE 3. TRAIN ACCIDENT CAUSES

YEAR	HUMAN FACTORS	MECHANICAL & ELECTRICAL FAILURES	SIGNAL & TRACK DEFECTS	HIGHWAY RAIL CROSSING IMPACTS[3]	OTHER	TOTAL TRAIN ACCIDENTS
1991	887	415	968	156	388	2,814
1992	864	353	849	172	293	2,531
1993	865	360	1,017	174	369	2,785
1994	911	293	947	165	353	2,669
1995	944	279	883	160	353	2,619
1996	783	318	954	141	388	2,584

[1]All figures are shown in thousands.

[2]SOURCE: Association of American Railroads.

[3]All highway-rail collisions are included regardless of cause.

TABLE 4. TRAIN ACCIDENTS AND REPORTABLE DAMAGES BY TRAIN MILES

YEAR	TOTAL ACCIDENTS	TOTAL $ DAMAGE	AVERAGE $ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
1991	2,814	222,936,995	79,224	386,483	4.88
1992	2,531	127,017,536	50,185	213,941	4.26
1993	2,785	190,905,060	68,548	310,993	4.54
1994	2,669	180,550,518	67,647	275,615	4.07
1995	2,619	199,347,417	76,116	297,612	3.91
1996	2,584	221,126,959	85,575	329,586	3.85

TABLE 5. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY TYPE

YEAR	TOTAL ACCIDENTS	TOTAL $ DAMAGE	AVERAGE $ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
COLLISIONS					
1991	261	37,921,672	145,294	65,741	0.45
1992	207	13,995,737	67,612	23,574	0.35
1993	205	26,151,800	127,570	42,594	0.33
1994	240	30,663,388	127,764	46,808	0.37
1995	235	33,601,459	142,985	50,165	0.35
1996	205	35,817,941	174,721	53,386	0.35
DERAILMENTS					
1991	1,936	153,089,957	79,075	265,396	3.36
1992	1,734	91,520,082	52,780	154,151	2.92
1993	1,930	139,821,449	72,446	227,732	3.14
1994	1,825	125,201,775	68,604	191,124	2.79
1995	1,742	139,120,164	79,862	207,697	2.60
1996	1,816	162,319,337	89,382	241,934	2.71
HIGHWAY-RAIL IMPACTS[4]					
1991	156	13,275,120	85,097	23,014	0.27
1992	172	8,076,656	46,957	13,604	0.29
1993	174	10,255,804	58,941	16,704	0.28
1994	165	11,801,570	71,525	18,015	0.25
1995	160	10,123,598	63,272	15,114	0.24
1996	141	8,812,885	62,502	13,135	0.21
OTHER					
1991	461	18,650,246	40,456	32,332	0.80
1992	418	13,425,061	32,117	22,612	0.70
1993	476	14,676,007	30,832	23,903	0.78
1994	439	12,883,785	29,348	19,667	0.67
1995	482	16,502,196	34,237	24,637	0.72
1996	422	14,176,796	33,594	21,130	0.63

[4]All highway-rail collisions are included regardless of cause.

TABLE 6. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY CAUSE

YEAR	TOTAL ACCIDENTS	TOTAL $ DAMAGE	AVERAGE $ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
HUMAN FACTORS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	887	70,813,850	79,835	122,763	1.54
1992	864	33,653,530	38,951	56,684	1.46
1993	865	39,580,482	45,758	64,466	1.41
1994	911	44,294,746	48,622	67,617	1.39
1995	944	47,851,874	50,690	71,439	1.41
1996	783	42,411,336	54,165	63,213	1.17
EQUIPMENT FAILURES (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	415	48,136,068	115,991	83,449	0.72
1992	353	24,676,396	69,905	41,563	0.59
1993	360	36,650,245	101,806	59,693	0.59
1994	293	31,746,843	108,351	48,462	0.45
1995	279	37,183,580	133,274	55,513	0.42
1996	318	36,797,089	115,714	54,845	0.47
SIGNAL AND TRACK DEFECTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	968	59,956,163	61,938	103,940	1.68
1992	849	41,613,860	49,015	70,092	1.43
1993	1,017	58,091,658	57,121	94,616	1.66
1994	947	56,209,632	59,355	85,805	1.45
1995	883	64,051,551	72,538	95,624	1.32
1996	954	80,111,616	83,974	119,405	1.42
HIGHWAY-RAIL IMPACTS[5]					
1991	156	13,275,120	85,097	23,014	0.27
1992	172	8,076,656	46,957	13,604	0.29
1993	174	10,255,804	58,941	16,704	0.28
1994	165	11,801,570	71,525	18,015	0.25
1995	160	10,123,598	63,272	15,114	0.24
1996	141	8,812,885	62,502	13,135	0.21
OTHER (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	388	30,755,794	79,268	53,318	0.67
1992	293	18,997,094	64,836	31,998	0.49
1993	369	46,326,871	125,547	75,454	0.61
1994	353	36,497,727	103,393	55,715	0.54
1995	353	40,136,814	113,702	59,921	0.53
1996	388	52,994,033	136,582	78,986	0.59

[5]All highway-rail collisions are included regardless of cause.

TABLE 7. CASUALTIES IN ACCIDENTS/INCIDENTS

YEAR AND TYPE ACC/INC	DEATHS	INJURIES	TOTAL CASUALTIES	TOTAL ACCIDENTS/ INCIDENTS[6]	CASUALTIES PER MILLION TRAIN MILES
TRAIN ACCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	19	326	345	2,658	0.60
1992	6	171	177	2,359	0.30
1993	67	308	375	2,611	0.61
1994	12	262	274	2,504	0.42
1995	14	294	308	2,459	0.46
1996	25	281	306	2,443	0.46
TRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	539	3,383	3,922	3,805	6.80
1992	548	2,799	3,347	3,225	5.64
1993	545	2,321	2,866	2,721	4.67
1994	571	2,143	2,714	2,621	4.14
1995	508	1,954	2,462	2,267	3.68
1996	486	1,761	2,247	2,156	3.35
NONTRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1991	28	17,665	17,693	17,449	30.67
1992	37	16,438	16,475	16,368	27.75
1993	41	14,655	14,696	14,519	23.94
1994	28	12,445	12,473	12,368	19.04
1995	45	10,298	10,343	10,236	15.44
1996	40	8,906	8,946	8,836	13.33
HIGHWAY-RAIL ACCIDENTS/INCIDENTS (EXCLUDED FROM ABOVE)					
1991	608	2,094	2,702	1,999	4.68
1992	579	1,975	2,554	1,897	4.30
1993	626	1,837	2,463	1,879	4.01
1994	615	1,962	2,577	1,962	3.93
1995	579	1,894	2,473	1,817	3.69
1996	488	1,610	2,098	1,639	3.13
TOTAL ACCIDENTS/INCIDENTS					
1991	1,194	23,468	24,662	25,911	42.75
1992	1,170	21,383	22,553	23,849	37.99
1993	1,279	19,121	20,400	21,730	33.23
1994	1,226	16,812	18,038	19,455	27.53
1995	1,146	14,440	15,586	16,779	23.27
1996	1,039	12,558	13,597	15,074	20.27

[6]The count of highway-rail crossing impacts shown in this table is limited to those that met the train accident threshold or resulted in a death or injury.

TABLE 8. TOTAL ACCIDENTS/INCIDENTS

YEAR	TRAIN ACCIDENTS	TRAIN INCIDENTS	NONTRAIN INCIDENTS	HIGHWAY-RAIL CROSSING IMPACTS[7]	TOTAL
1991	2,658	3,805	17,449	1,999	25,911
1992	2,359	3,225	16,368	1,897	23,849
1993	2,611	2,721	14,519	1,879	21,730
1994	2,504	2,621	12,368	1,962	19,455
1995	2,459	2,267	10,236	1,817	16,779
1996	2,443	2,156	8,836	1,639	15,074

TABLE 9. CASUALTIES BY TYPE OF PERSON

YEAR	EMPLOYEES ON DUTY		EMPLOYEES NOT ON DUTY		PASSENGER ON TRAIN		NON TRESPASSERS		TRESPASSERS		CONTRACTOR EMPLOYEES[8]	
	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ
1991	35	19,626	1	362	8	382	484	2,110	663	769	3	219
1992	34	17,755	1	310	3	411	475	1,909	646	772	11	226
1993	47	15,363	4	348	58	559	489	1,856	675	733	6	260
1994	31	13,080	0	306	5	497	505	1,913	682	764	3	252
1995	34	10,777	2	252	0	573	443	1,869	660	700	7	268
1996	33	9,199	0	228	12	513	365	1,660	620	750	9	208

[7]Includes 141 train accidents and 1,498 other crossing incidents that resulted in a reportable casualty. There were 4,257 highway-rail accidents reported in 1996. Additional information on these can be found in the Highway-Rail Intersection Incident and Inventory Bulletin.

[8]"Contractor employee" casualties appear seperately in this table. In other tables they are included with "Nontrespassers". "Inj" columns include occupational illnesses.

OVERVIEW

OF

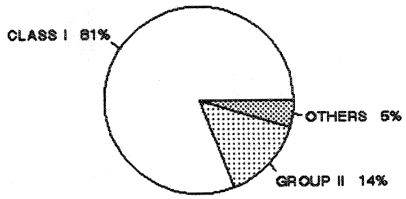
CURRENT

YEAR

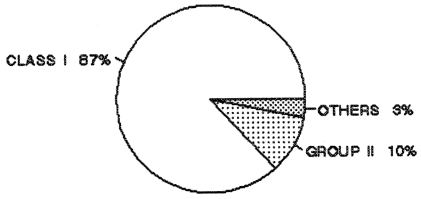
(GRAPHS)

A monthly report must be made even though no reportable events occurred during the month. Reports were received from 704 railroads for the year. A total of 362 railroad provided reports for specific accidents/incidents. Casualty reports were prepared by 335 railroads, highway-rail accident/incident reports by 210 railroad, and 172 railroad submitted reports of train accidents.

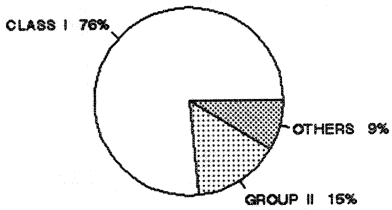
FIGURE 16 - 1996 STATISTICS
By Type Of Railroad



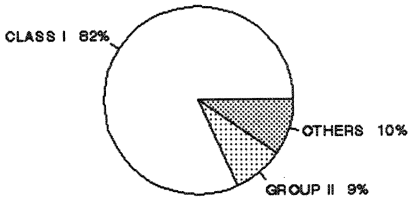
TOTAL EMPLOYEE HOURS



TOTAL TRAIN MILES



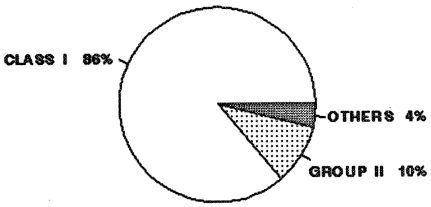
TOTAL TRAIN ACCIDENTS 1/



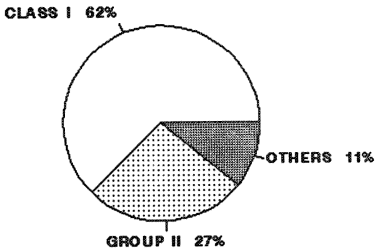
HIGHWAY-RAIL CROSSINGS 2/

Group II are railroads other than Class 1 that reported annual employee hours >= 400,000.
1/ Excludes Highway-Rail Accidents/Incidents
2/ All Highway-Rail Accidents/Incidents regardless of severity

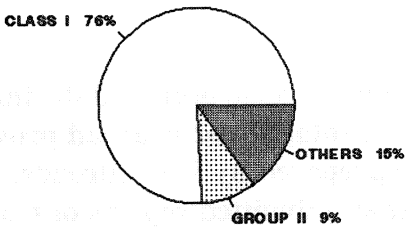
FIGURE 17 - FATALITIES AND INJURIES, 1996
By Type Of Railroad



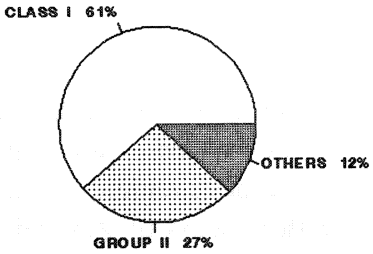
ALL FATALITIES



ALL NONFATALS



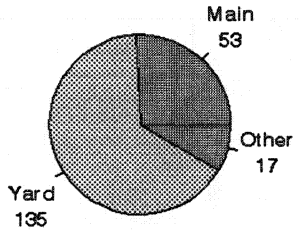
EMPLOYEES ON DUTY FATALITIES



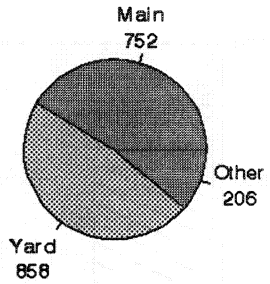
EMPLOYEES ON DUTY NONFATALS

Includes all fatal and nonfatal casualties including those resulting from highway-rail accidents/incidents.

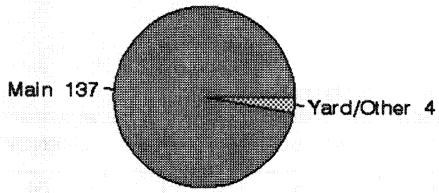
FIGURE 18 - TRAIN ACCIDENTS BY TYPE And Track Type, 1996



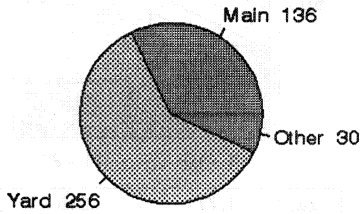
COLLISIONS



DERAILMENTS

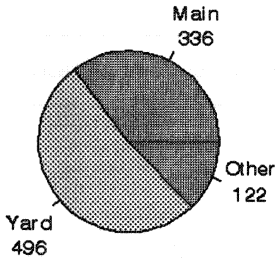


HIGHWAY-RAIL

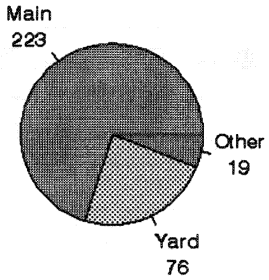


OTHER ACCIDENT TYPES

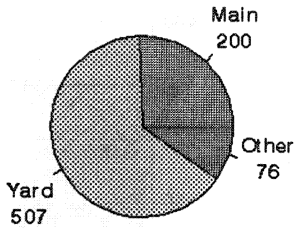
FIGURE 19 - TRAIN ACCIDENTS BY CAUSE And Track Type, 1995



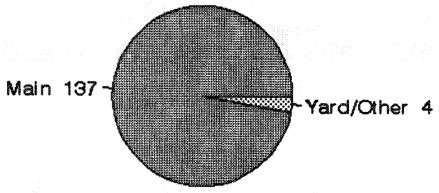
TRACK



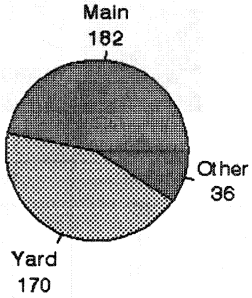
EQUIPMENT



HUMAN FACTORS

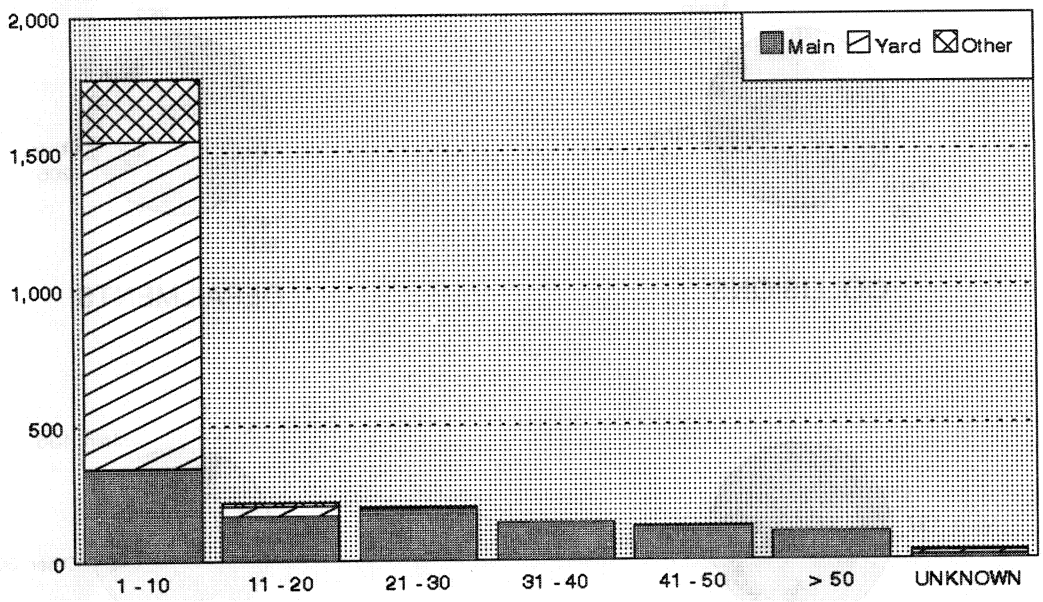


HIGHWAY-RAIL



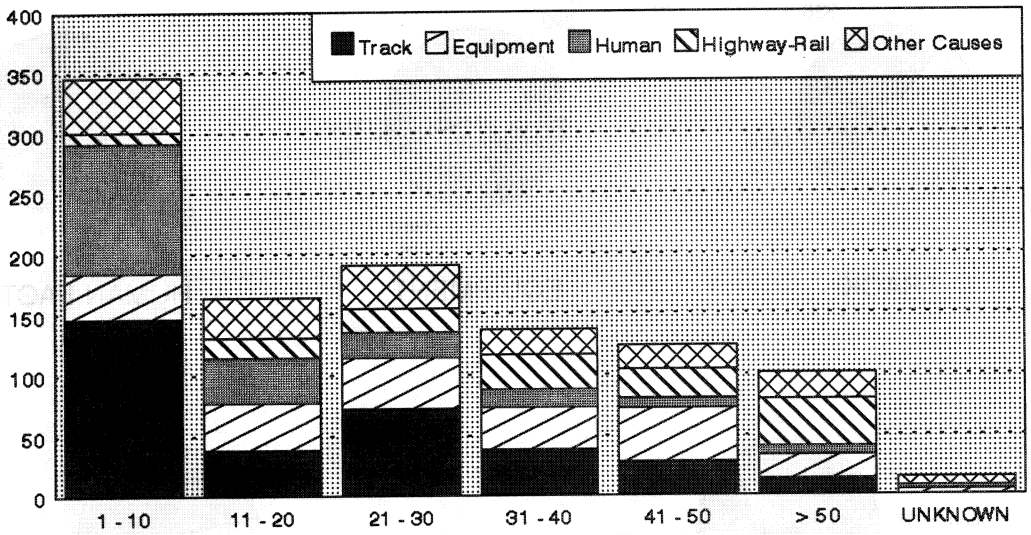
OTHER CAUSES

FIGURE 20 - TRAIN ACCIDENTS BY TRACK CLASSIFICATION And Consist Speed, 1996



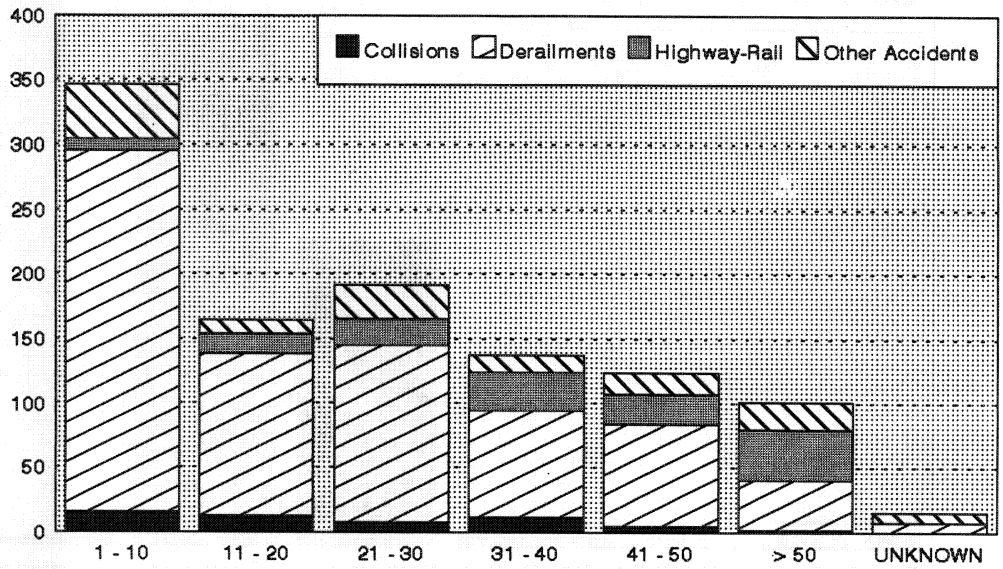
	1 - 10	11 - 20	21 - 30	31 - 40	41 - 50	> 50	UNKNOWN
Total	1,771	215	197	140	126	101	34
Other	228	13	4	3	1	0	7
Yard	1,197	38	2	0	1	0	12
Main	346	164	191	137	124	101	15

FIGURE 21 - ACCIDENTS ON MAIN LINE TRACK By Cause And Speed, 1996



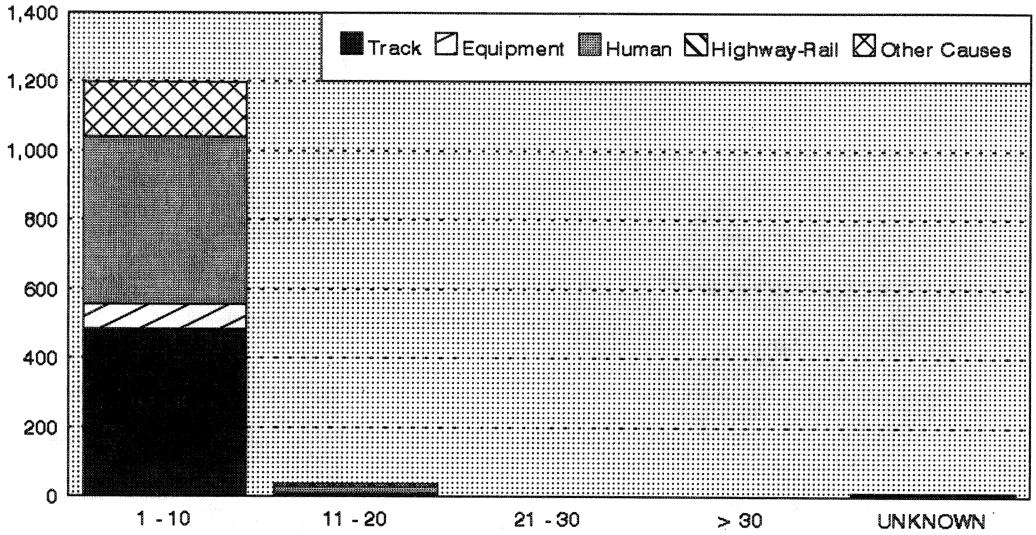
	1 - 10	11 - 20	21 - 30	31 - 40	41 - 50	> 50	UNKNOWN
Total	346	164	191	137	124	101	15
Other Causes	45	33	36	20	20	21	7
Highway-Rail	9	16	20	29	23	40	0
Human	107	38	20	15	9	7	4
Equipment	39	39	43	35	44	19	4
Track	146	38	72	38	28	14	0

FIGURE 22 - ACCIDENTS ON MAIN LINE TRACK
By Type Accident And Speed, 1996



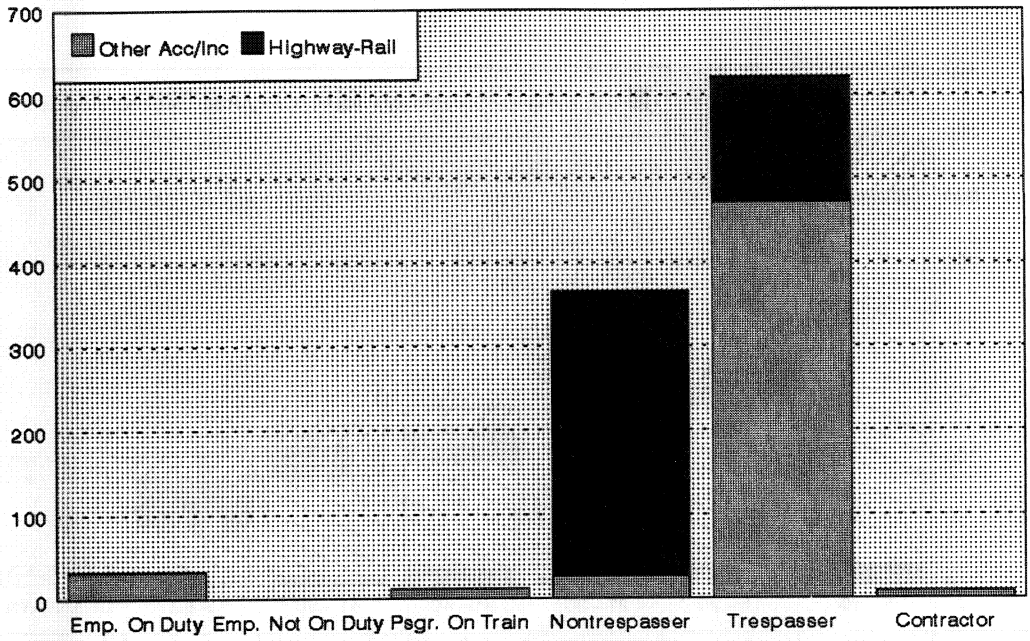
	346	164	191	137	124	101	15
Other Accidents	42	10	26	13	17	21	7
Highway-Rail	9	16	20	29	23	40	0
Derailments	280	126	137	84	79	38	8
Collisions	15	12	8	11	5	2	0

FIGURE 23 - ACCIDENTS ON YARD TRACK
By Cause, 1996



Total	1,197	38	2	1	12
Other Causes	157	9	0	1	3
Highway-Rail	1	0	0	0	0
Human	485	17	1	0	4
Equipment	71	2	0	0	3
Track	483	10	1	0	2

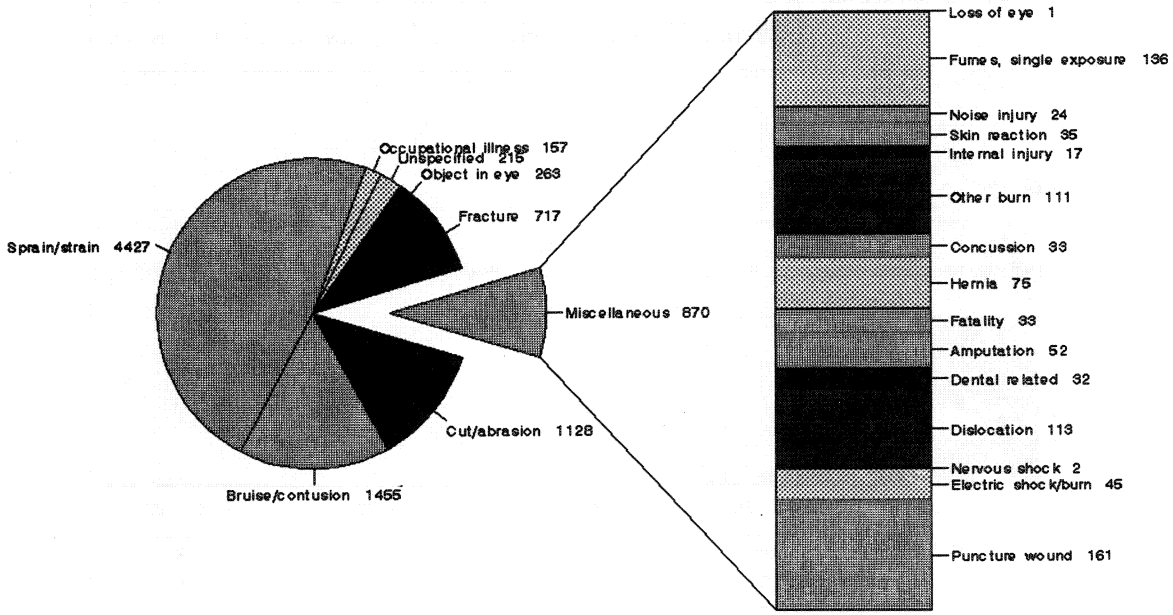
FIGURE 24 - FATALITIES BY TYPE PERSON, 1996



	Emp. On Duty	Emp. Not On Duty	Psgr. On Train	Nontrespasser	Trespasser	Contractor
Total	33	0	12	365	620	9
Highway-Rail	1	0	0	338	149	0
Other Acc/Inc	32	0	12	27	471	9

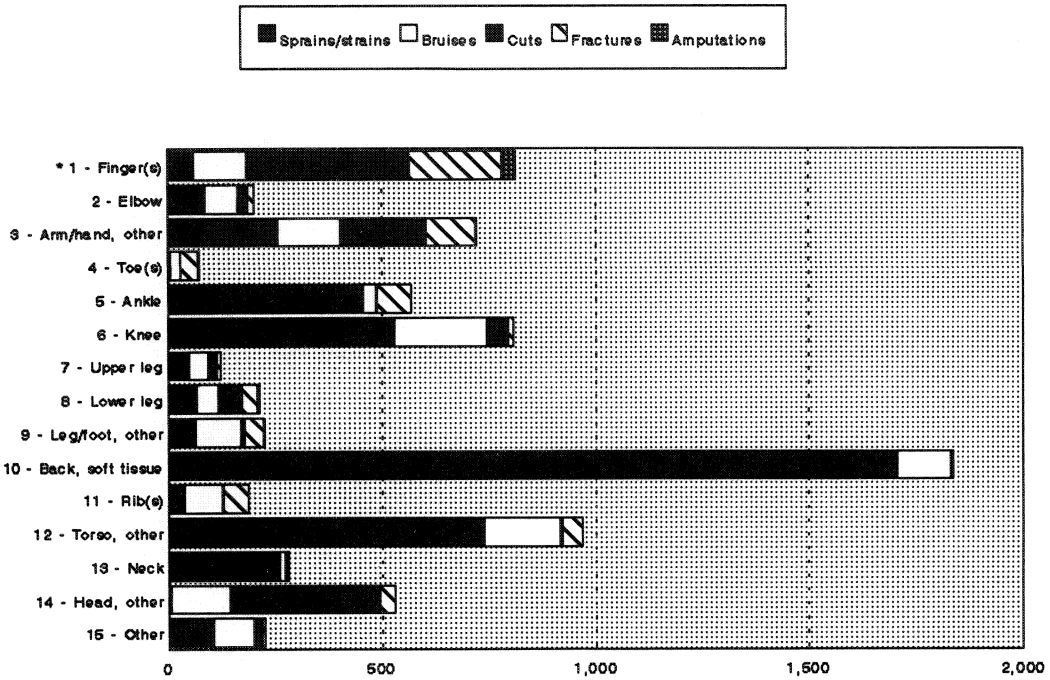
Psgr. - Passenger on train; Emp. - Employee

FIGURE 25 - EMPLOYEE ON DUTY CASES, 1996
All Accidents/Incidents



A case is a fatality, injury, or occupational illness

FIGURE 26 - SELECTED EMPLOYEE ON DUTY INJURIES, 1996



* Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Amputations	34	0	2	4	0	0	1	6	5	0	0	0	0	0	0
Fractures	214	15	117	42	80	13	10	34	43	0	58	46	3	35	7
Cuts	382	21	197	0	3	50	19	55	8	6	3	7	4	354	19
Bruises	123	79	148	23	30	215	44	52	107	124	88	176	13	137	96
Sprains/strains	61	86	258	5	456	530	50	66	63	1,705	38	739	260	6	104

The listed injuries represent 85.7% of all reported injuries to employees on duty.

OVERVIEW

OF

CURRENT

YEAR

(D A T A)

TABLE 10. SUMMARY OF ACCIDENTS BY TYPE OF TRACK AND SPEED RANGE, 1996

CONSIST SPEED	TOTAL ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
ACCIDENTS ON MAIN LINE TRACK											
UNKNOWN	15	474,326	320,631	153,695	0	8	7	0	4	4	7
1-10	346	16,324,379	9,777,294	6,547,085	15	280	51	146	39	108	53
11-20	164	15,472,408	10,517,063	4,955,345	12	126	26	38	39	38	49
21-30	191	33,726,198	26,506,730	7,219,468	8	137	46	72	43	20	56
31-40	137	36,204,336	28,425,420	7,778,916	11	84	42	38	35	15	49
41-50	124	37,604,042	27,762,571	9,841,471	5	79	40	28	44	9	43
51-60	55	25,039,801	20,806,336	4,233,465	2	30	23	8	16	3	28
61-70	21	12,688,500	10,891,838	1,796,662	0	7	14	3	1	2	15
71-80	18	1,028,772	883,472	145,300	0	0	18	0	0	1	17
81-90	2	34,207	31,707	2,500	0	0	2	1	0	0	1
>=91	5	220,118	144,466	75,652	0	1	4	2	2	1	0
TOTAL	1,078	178,817,087	136,067,528	42,749,559	53	752	273	336	223	201	318
ACCIDENTS ON YARD TRACK											
UNKNOWN	12	213,821	179,933	33,888	0	6	6	2	3	4	3
1-10	1,197	29,846,170	21,917,430	7,928,740	130	830	237	483	71	485	158
11-20	38	1,502,150	1,007,248	494,902	4	21	13	10	2	17	9
21-30	2	22,185	21,885	300	0	1	1	1	0	1	0
41-50	1	2,723,956	2,412,080	311,876	1	0	0	0	0	0	1
TOTAL	1,250	34,308,282	25,538,576	8,769,706	135	858	257	496	76	507	171
ACCIDENTS ON INDUSTRY, SIDING OR UNKNOWN TRACK TYPE											
UNKNOWN	7	168,532	146,310	22,222	0	6	1	1	0	2	4
1-10	228	5,407,461	3,940,818	1,466,643	14	185	29	114	14	69	31
11-20	13	973,077	820,802	152,275	2	8	3	3	2	5	3
21-30	4	451,526	305,770	145,756	1	3	0	2	1	0	1
31-40	3	160,071	48,060	112,011	0	3	0	2	1	0	0
41-50	1	840,923	797,824	43,099	0	1	0	0	1	0	0
TOTAL	256	8,001,590	6,059,584	1,942,006	17	206	33	122	19	76	39
FINAL	2,584	221,126,959	167,665,688	53,461,271	205	1,816	563	954	318	784	528

TABLE 11. SUMMARY OF ACCIDENTS BY CLASS OF TRACK, 1996

TRACK CLASS	TOTAL ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
?	105	2,555,165	1,758,965	796,200	7	78	20	55	4	30	16
1	1,412	40,626,957	29,953,999	10,672,958	134	1,018	260	561	97	554	200
2	414	38,285,596	30,617,445	7,668,151	26	318	70	185	55	92	82
3	261	44,297,235	34,625,375	9,671,860	14	179	68	71	70	48	72
4	310	68,936,911	50,415,376	18,521,535	20	180	110	64	73	48	125
5	71	19,456,273	13,558,798	5,897,475	2	41	28	15	15	10	31
6	11	6,968,822	6,735,730	233,092	2	2	7	3	4	2	2
FINAL	2,584	221,126,959	167,665,688	53,461,271	205	1,816	563	954	318	784	528

TABLE 12. SUMMARY OF REPORTABLE DAMAGE, 1996

Type of Accident	...Track Caused... Trk Dmg	Eqp Dmg	.Equipment Caused. Trk Dmg	Eqp Dmg	...Human Factors.. Trk Dmg	Eqp Dmg	...Other Causes... Trk Dmg	Eqp Dmg	.....Total Damage..... Trk Dmg	Eqp Dmg
Derailment	22,955,016	54,352,353	11,006,704	18,678,837	5,627,812	17,677,699	7,128,099	24,892,817	46,717,631	115,601,706
Head on collision	---	---	311,876	1,212,080	83,125	616,629	60,000	9,754,400	455,001	11,583,109
Rear end collision	---	---	---	25,900	17,561	1,386,809	---	---	17,561	1,412,709
Side collision	45,800	243,712	3,116	87,140	670,596	8,763,377	157,439	6,896,732	876,951	15,990,961
Raking collision	614	49,050	11,000	19,650	17,334	876,372	36,272	169,961	65,220	1,115,033
Broken trn collision	---	---	538,968	3,726,028	3,500	25,000	---	7,900	542,468	3,758,928
Hwy-rail crossing	---	---	---	---	---	7,000	2,054,706	6,751,179	2,054,706	6,758,179
RR grade crossing	---	---	---	---	---	---	---	---	---	---
Obstruction	49,278	330,364	---	32,963	372,324	1,048,588	266,593	1,312,270	688,195	2,724,185
Explosion-detonation	---	---	---	---	---	---	---	24,800	---	24,800
Fire/violent rupture	---	---	12,218	498,768	---	---	---	304,459	12,218	803,227
Other	450,843	1,634,586	227,534	404,307	576,841	4,647,769	776,102	1,206,189	2,031,320	7,892,851
TOTAL.....	23,501,551	56,610,065	12,111,416	24,685,673	7,369,093	35,049,243	10,479,211	51,320,707	53,461,271	167,665,688

TABLE 13. CASUALTIES BY TYPE OF PERSON, 1996

	Employees On Duty	Employees Not On Duty	Passengers On Trains	Non-trespassers	Trespassers	Contractor Employees	Total
TRAIN ACCIDENTS							
Fatalities.....	14	---	9	---	2	---	25
Injuries.....	155	1	115	1	---	6	278
Occupational illnesses...	3	---	---	---	---	---	3
Total casualties.....	172	1	124	1	2	6	306
TRAIN INCIDENTS							
Fatalities.....	10	---	3	23	448	2	486
Injuries.....	1,112	15	125	42	425	9	1,728
Occupational illnesses...	33	---	---	---	---	---	33
Total casualties.....	1,155	15	128	65	873	11	2,247
NONTRAIN INCIDENTS							
Fatalities.....	8	---	---	4	21	7	40
Injuries.....	7,698	209	249	388	49	191	8,784
Occupational illnesses...	119	1	---	---	---	2	122
Total casualties.....	7,825	210	249	392	70	200	8,946
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS							
Fatalities.....	1	---	---	338	149	---	488
Injuries.....	77	2	24	1,229	276	---	1,608
Occupational illnesses...	2	---	---	---	---	---	2
Total casualties.....	80	2	24	1,567	425	---	2,098
GRAND TOTAL							
Fatalities.....	33	---	12	365	620	9	1,039
Injuries.....	9,042	227	513	1,660	750	206	12,398
Occupational illnesses...	157	1	---	---	---	2	160
Total casualties.....	9,232	228	525	2,025	1,370	217	13,597

Contractor employees are included with nontrespassers in all other tables in this publication.

Rail-highway crossing accidents/incidents may be classified as train accidents, train incidents, or nontrain incidents. In his table these casualities are shown separately.

TABLE 14. FATALITIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1996

Type of Accident/Incident	Total Killed	..Employees On Duty.. Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers	Contract Workers
TRAIN ACCIDENTS									
Collisions	16	7	0	7	0	9	0	0	0
Derailments	6	4	0	4	0	0	0	2	0
Rail-highway Crossing	32	1	0	1	0	0	18	13	0
Miscellaneous	3	3	0	3	0	0	0	0	0
Total	57	15	0	15	0	9	18	15	0
TRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	2	2	0	2	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0	0
Operating or on locomtives	0	0	0	0	0	0	0	0	0
Operating rail motorcars	0	0	0	0	0	0	0	0	0
Operating had brakes	1	1	0	1	0	0	0	0	0
Operating switches or derails	0	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0	0	0
Getting on or off cars or locomotives	12	1	0	1	0	2	1	8	0
Collisions, derailments, etc, (<=$6,300.00).	11	0	0	0	0	0	1	10	0
Rail-highway crossing accidents/incidents	451	0	0	0	0	0	316	135	0
Struck by/ran into loc/car(not hwy-rr x-ing)	445	1	0	1	0	0	20	424	0
Servicing or maintenance of equipment	0	0	0	0	0	0	0	0	0
Maintenance of way and structures	5	0	5	5	0	0	0	0	0
Freight, baggage, express or mail	0	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0	0
Passenger car doors	0	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	4	0	0	0	0	1	0	3	0
Flying or falling objects, burns,etc.,N.O.C.	0	0	0	0	0	0	0	0	0
Operation of on-track work equipment	1	0	0	0	0	0	0	1	0
Assault	1	0	0	0	0	0	0	1	0
Other occurences	4	0	0	0	0	0	3	1	0
Total	937	5	5	10	0	3	341	583	0
NONTRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	0	0	0	0	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0	0
Operating or on locomtives	0	0	0	0	0	0	0	0	0
Operating rail motorcars	0	0	0	0	0	0	0	0	0
Operating had brakes	0	0	0	0	0	0	0	0	0
Operating switches or derails	0	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0	0	0
Getting on or off cars or locomotives	0	0	0	0	0	0	0	0	0
Rail-highway crossing accidents/incidents	5	0	0	0	0	0	4	1	0
Struck by/ran into loc/car(not hwy-rr x-ing)	7	0	0	0	0	0	1	6	0
Servicing or maintenance of equipment	1	0	1	1	0	0	0	0	0
Maintenance of way and structures	5	0	3	3	0	0	2	0	0
Freight, baggage, express or mail	0	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0	0
Passenger car doors	0	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	8	1	0	1	0	0	4	3	0
Flying or falling objects, burns,etc.,N.O.C.	4	0	0	0	0	0	1	3	0
Operation of on-track work equipment	0	0	0	0	0	0	0	0	0
Assault	1	0	0	0	0	0	0	1	0
Other occurences	14	1	2	3	0	0	3	8	0
Total	45	2	6	8	0	0	15	22	0
Grand Total	1,039	22	11	33	0	12	374	620	0

TABLE 15. INJURIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1996

Type of Accident/Incident	Total Injured	..Employees On Duty.. Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers	Contract Workers
TRAIN ACCIDENTS									
Collisions	146	47	23	70	0	73	3	0	0
Derailments	98	52	5	57	0	38	3	0	0
Rail-highway Crossing	107	38	2	40	1	22	29	15	0
Miscellaneous	37	21	10	31	1	4	1	0	0
Total	388	158	40	198	2	137	36	15	0
TRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	62	59	3	62	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	13	12	1	13	0	0	0	0	0
Operating or on locomtives	312	301	10	311	1	0	0	0	0
Operating rail motorcars	18	9	9	18	0	0	0	0	0
Operating had brakes	33	32	1	33	0	0	0	0	0
Operating switches or derails	13	12	0	12	1	0	0	0	0
Contacting fixed objects while on locs/cars.	47	42	2	44	0	1	1	1	0
Getting on or off cars or locomotives	233	161	22	183	2	23	4	21	0
Collisions, derailments, etc, (<=$6,300.00).	74	41	10	51	0	0	7	16	0
Rail-highway crossing accidents/incidents	1,469	33	6	39	1	2	1,171	256	0
Struck by/ran into loc/car(not hwy-rr x-ing)	427	28	6	34	2	0	26	365	0
Servicing or maintenance of equipment	28	0	27	27	0	0	1	0	0
Maintenance of way and structures	50	0	49	49	0	0	1	0	0
Freight, baggage, express or mail	19	5	12	17	0	0	0	2	0
Windows, doors, etc., on on-track equipment.	66	39	12	51	0	15	0	0	0
Passenger car doors	4	1	0	1	0	3	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	133	44	31	75	4	35	4	15	0
Flying or falling objects, burns,etc.,N.O.C.	72	35	16	51	1	20	0	0	0
Operation of on-track work equipment	29	0	26	26	2	0	1	0	0
Assault	24	21	2	23	0	0	1	0	0
Other occurences	104	40	24	64	2	28	5	5	0
Total	3,230	915	269	1,184	16	127	1,222	681	0
NONTRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	211	197	13	210	1	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	154	123	31	154	0	0	0	0	0
Operating or on locomtives	304	262	40	302	0	0	2	0	0
Operating rail motorcars	13	7	4	11	0	0	2	0	0
Operating had brakes	196	185	11	196	0	0	0	0	0
Operating switches or derails	443	396	45	441	2	0	0	0	0
Contacting fixed objects while on locs/cars.	13	4	6	10	0	2	1	0	0
Getting on or off cars or locomotives	697	425	118	543	1	133	18	2	0
Rail-highway crossing accidents/incidents	34	0	0	0	0	0	29	5	0
Struck by/ran into loc/car(not hwy-rr x-ing)	22	6	2	8	1	0	5	8	0
Servicing or maintenance of equipment	1,596	33	1,546	1,579	9	0	8	0	0
Maintenance of way and structures	2,038	21	1,958	1,979	9	0	50	0	0
Freight, baggage, express or mail	109	16	87	103	2	0	4	0	0
Windows, doors, etc., on on-track equipment.	209	121	68	189	2	9	9	0	0
Passenger car doors	12	0	1	1	0	11	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	1,425	458	476	934	84	75	317	15	0
Flying or falling objects, burns,etc.,N.O.C.	198	81	72	153	8	2	26	9	0
Operation of on-track work equipment	47	2	42	44	3	0	0	0	0
Assault	120	42	54	96	4	5	12	3	0
Other occurences	1,099	252	612	864	84	12	127	12	0
Total	8,940	2,631	5,186	7,817	210	249	610	54	0
Grand Total	12,558	3,704	5,495	9,199	228	513	1,868	750	0

TABLE 16. TOTAL ACCIDENTS/INCIDENTS, 1996

Type of Accident/Incident	....Accidents/Incidents.... Total	Fatal	Nonfatal
TRAIN ACCIDENTS *			
Collisions	205	3	28
Derailments	1,816	4	36
Highway-rail crossing accidents/incidents	141	26	54
Miscellaneous	422	3	24
TOTAL	2,584	36	142
TRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars	63	2	61
Coupling/uncoupling air/steam hose, safety chains	13	0	13
Operating or on locomotives	303	0	303
Operating rail motorcars	18	0	18
Operating hand brakes	34	1	33
Operating switches or derails	13	0	13
Contacting fixed objects while on locos or cars	47	0	47
Getting on or off cars or locomotives	244	12	232
Collisions, derailments, etc. (below $ threshold)	74	11	63
Highway-rail crossing accidents/incidents	1,467	382	1,085
Struck by/ran into loco/car(not at hwy-rr x-ing)	833	436	397
Servicing or maintenance of equipment	28	0	28
Maintenance of way and structures	52	5	47
Freight, baggage, express or mail	19	0	19
Windows, doors, etc., on on-track equipment	65	0	65
Passenger car doors	4	0	4
Stumbling, slipping, falling, caught, N.O.C.	135	4	131
Flying or falling objects, burns, etc., N.O.C.	70	0	70
Operation of on-track work equipment	24	1	23
Assault	25	1	24
Other occurrences	92	4	88
TOTAL	3,623	859	2,764
NONTRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars	211	0	211
Coupling/uncoupling air/steam hose, safety chains	154	0	154
Operating or on locomotives	295	0	295
Operating rail motorcars	13	0	13
Operating hand brakes	196	0	196
Operating switches or derails	443	0	443
Contacting fixed objects while on locos or cars	13	0	13
Getting on or off cars or locomotives	697	0	697
Highway-rail crossing accidents/incidents	31	5	26
Struck by/ran into loco/car(not at hwy-rr x-ing)	28	7	21
Servicing or maintenance of equipment	1,594	1	1,593
Maintenance of way and structures	2,037	5	2,032
Freight, baggage, express or mail	108	0	108
Windows, doors, etc., on on-track equipment	209	0	209
Passenger car doors	12	0	12
Stumbling, slipping, falling, caught, N.O.C.	1,430	8	1,422
Flying or falling objects, burns, etc., N.O.C.	194	4	190
Operation of on-track work equipment	47	0	47
Assault	117	1	116
Other occurrences	1,038	14	1,024
TOTAL	8,867	45	8,822
GRAND TOTAL	15,074	940	11,728

NOTE: Train accidents do not require a casualty to be reportable. See definition in Appendix A.

The total number of highway-rail accidents in the TRAIN ACCIDENT category only include those that exceed to monetary threshold for reporting. Those in the TRAIN INCIDENT and NONTRAIN INCIDENT categories only include those accidents/incidents that resulted in reportable casualties. For more information concerning highway-rail crossing accidents/incidents, refer to the `HIGHWAY-RAIL INTERSECTION INCIDENT AND INVENTORY BULLETIN.'

TABLE 17. SUMMARY OF TRAIN ACCIDENTS AND MILEAGE BY MONTH, 1996

Month	Accs	Accs Per MTM	Total Damage	Damage Per MTM	Train Miles: Locomotive	Train Miles: Motor	Train Miles: Yard Switch	Train Miles: Total
January	234	4.31	24,505,756	451,878	44,772,777	1,958,782	7,499,405	54,230,964
February	214	3.94	38,556,805	710,509	44,605,010	1,967,104	7,694,328	54,266,442
March	236	4.07	13,022,400	224,549	48,810,273	1,975,019	7,208,197	57,993,489
April	230	4.09	17,664,446	313,795	47,184,130	1,980,135	7,128,708	56,292,973
May	229	4.01	14,826,065	259,682	47,841,976	2,020,347	7,230,762	57,093,085
June	219	3.93	18,602,989	334,062	46,776,773	1,609,057	7,301,352	55,687,182
July	246	4.43	16,103,437	290,066	46,500,273	1,727,179	7,289,091	55,516,543
August	200	3.47	21,216,102	367,961	48,451,303	1,735,619	7,471,668	57,658,590
September	223	4.06	15,687,406	285,579	46,164,182	1,615,207	7,152,463	54,931,852
October	178	3.05	10,949,444	187,576	48,995,875	1,744,771	7,632,808	58,373,454
November	188	3.41	16,413,740	297,692	46,307,954	1,623,359	7,205,371	55,136,684
December	187	3.48	13,578,369	252,655	45,047,197	1,686,404	7,009,101	53,742,702
Total..	2584	3.85	221,126,959	329,586	561,457,723	21,642,983	87,823,254	670,923,960

NOTE: MTM = Million train miles
Accs = Accidents

TABLE 18. SUMMARY OF TRAIN ACCCIDENTS BY TYPE OF ACCIDENT, 1996

Type of Accident	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Derailment	172	147	160	172	161	170	174	145	138	113	132	132	1,816
Head on collision	---	1	1	1	2	1	3	1	---	2	3	---	15
Rear end collision	2	---	---	1	2	1	2	4	---	1	---	1	14
Side collision	8	11	18	9	11	10	15	12	14	6	16	7	137
Raking collision	4	1	---	5	2	---	2	2	6	6	2	4	34
Broken train collision	1	---	---	---	---	---	1	---	1	---	1	1	5
Rail-hwy crossing	10	13	13	8	11	12	6	11	18	19	7	13	141
RR grade crossing	---	---	---	---	---	---	---	---	---	---	---	---	---
Obstruction	9	10	15	7	6	5	4	1	4	4	---	5	70
Explosion-detonation	---	---	---	1	---	---	---	---	---	---	---	---	1
Fire or violent rupture	2	1	1	3	4	---	2	2	---	1	1	1	18
Other	26	30	28	23	30	20	37	22	42	26	26	23	333
Total	234	214	236	230	229	219	246	200	223	178	188	187	2,584

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TABLE 19. SUMMARY OF TRAIN ACCIDENTS BY CAUSE AND TYPE, 1996

Cause Of Accident	Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
TRACK, ROADBED AND STRUCTURES						
Roadbed defects	29	6,604,991	---	28	1	---
Track geometry defects	340	24,685,821	1	327	12	---
Rail joint bar and anchoring	269	38,726,602	1	263	5	---
Frogs, switches and track appliances	243	6,978,382	3	220	20	---
Other way and structure	24	1,472,511	---	10	14	---
Signal and communication failures	49	1,643,309	4	22	23	---
Subtotal.....	954	80,111,616	9	870	75	---
MECHANICAL AND ELECTRICAL FAILURES						
LOCOMOTIVE FAILURE						
Brakes	6	395,899	---	4	2	---
Body	1	16,147	---	1	---	---
Coupler and draft system	1	17,000	---	1	---	---
Truck components	---	---	---	---	---	---
Axles and journal bearings	2	27,093	---	2	---	---
Wheels	4	326,011	---	4	---	---
Locomotives	15	1,518,183	---	8	7	---
General mechanical and electrical failures	2	43,350	---	1	1	---
Subtotal (Locomotives)..	31	2,343,683	---	21	10	---
CAR FAILURE						
Brakes	42	6,162,960	3	34	5	---
Trailer or container on flat car	1	24,363	---	---	1	---
Body	25	802,450	1	19	5	---
Coupler and draft system	36	3,779,990	3	25	8	---
Truck components	47	4,425,453	3	40	4	---
Axles and journal bearings	62	11,158,351	1	59	2	---
Wheels	57	6,768,635	---	55	2	---
Doors	6	239,659	2	4	---	---
General mechanical and electrical failures	11	1,091,545	---	2	9	---
Subtotal (cars).....	287	34,453,406	13	238	36	---
TOTAL EQUIPMENT FAILURES....	318	36,797,089	13	259	46	---
TRAIN OPERATION - HUMAN FACTORS						
Brakes, use of	113	3,616,047	21	36	56	---
Employee physical condition	4	187,461	1	---	3	---
Flagging, fixed, hand and radio signals	30	7,063,137	11	12	7	---
General switching rules	236	6,807,588	61	90	85	---
Main track authority	46	5,131,696	23	4	18	1
Train handling/train make-up	134	11,710,324	8	122	4	---
Speed	44	2,071,181	8	26	10	---
Switches, use of	151	4,925,188	17	117	17	---
Cab signals	1	22,000	---	---	1	---
Miscellaneous	25	883,714	9	10	6	---
Subtotal.....	784	42,418,336	159	417	207	1
MISCELLANEOUS FACTORS						
Environmental conditions	49	5,254,753	1	42	6	---
Loading procedures	32	3,028,360	1	28	3	---
Highway-rail grade crossing accidents	138	8,614,594	---	---	---	138
Unusual operational situations	117	6,841,443	4	71	41	1
Other miscellaneous	192	38,060,768	18	129	44	1
Subtotal.....	528	61,799,918	24	270	94	140
GRAND TOTAL.....	2,584	221,126,959	205	1,816	422	141

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, 1996

Cause Of Accident		Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	BRAKES, USE OF						
H008	Bottling the Air	4	469,656	---	3	1	---
H017	Failure to secure engine- rr empl	7	701,317	1	2	4	---
H018	Fail to secure car hnd brk -rr emp	20	463,060	3	3	14	---
H019	Fail to release hand brk - rr emp	4	96,397	---	3	1	---
H020	Fail to apply suff. hand brakes -rr	43	1,006,047	11	10	22	---
H021	Fail to apply car hnd brks -rr emp	20	525,658	4	5	11	---
H022	Fail to secure equip - not rr emp	5	198,714	---	3	2	---
H025	Fail to ctrl car spd use hnd brk-r emp	4	59,618	1	2	1	---
H099	Use of brakes, other	6	95,580	1	5	---	---
	SUBTOTAL.....	113	3,616,047	21	36	56	---
	EMPLOYEE PHYSICAL CONDITION						
H101	Impairment because of drugs or alcohol	1	17,550	---	---	1	---
H104	Employee asleep	3	169,911	1	---	2	---
	SUBTOTAL.....	4	187,461	1	---	3	---
	FLAGGING, FIXED, HAND AND RADIO SIGNALS						
H204	Fixed signal, failure to comply	8	4,647,579	4	2	2	---
H207	Hand signal, failure to comply	1	9,750	1	---	---	---
H210	Radio communication, failure to comply	6	178,445	2	4	---	---
H211	Radio communication, improper	4	81,537	---	2	2	---
H212	Radio comm., failure to give/receive	5	184,435	2	2	1	---
H215	Block signal, failure to comply	5	1,514,391	1	2	2	---
H216	Interlocking signal, failure to comply	1	447,000	1	---	---	---
	SUBTOTAL.....	30	7,063,137	11	12	7	---
	GENERAL SWITCHING RULES						
H301	Car(s) shoved out & left out of clear	12	440,211	3	1	8	---
H302	Cars left foul	27	382,558	7	---	20	---
H303	Derail, failure to apply or remove	14	334,775	---	13	1	---
H305	Instruction to trn/yd crew improper	9	212,140	4	2	3	---
H306	Shoving movement, absence of man	73	2,379,793	26	25	22	---
H307	Shoving movement, failure to control	30	1,098,769	15	7	8	---
H308	Skate, failure to remove or place	2	22,766	---	2	---	---
H309	Failure to stretch cars before shoving	1	15,000	---	---	1	---
H310	Failure to couple	12	266,387	---	6	6	---
H311	Moving cars-load ramp,etc, not in pos	3	38,500	---	---	3	---
H312	Passed couplers	21	265,987	---	18	3	---
H313	Retarder, improper manual operation	7	132,230	---	4	3	---
H315	Portable derail, improperly applied	1	15,874	---	---	1	---
H399	Other general switching rules	24	1,202,598	6	12	6	---
	SUBTOTAL.....	236	6,807,588	61	90	85	---
	MAIN TRACK AUTHORITY						
H401	Failure to stop train in clear	9	1,022,086	7	1	1	---
H402	Motor car/on-trk rules, fail to comply	20	958,491	7	1	11	1
H403	Movement without authority - rr emp	3	317,955	3	---	---	---
H404	Fail to comply with trn order, etc.	1	972,000	1	---	---	---
H405	Trn orders, trk warrants, radio error	2	30,150	1	---	1	---
H499	Other main track authority causes	11	1,831,014	4	2	5	---
	SUBTOTAL.....	46	5,131,696	23	4	18	1

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, CONT., 1996

	Cause Of Accident	--------Total-------- Accidents	Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	TRAIN HANDLING/TRAIN MAKE-UP						
H501	Improper train make-up at init term	1	47,109	---	1	---	---
H503	Buff/slack action excess, trn handling	58	2,029,710	3	54	1	---
H504	Buff/slack action excess, trn make-up	13	495,912	1	12	---	---
H505	Lat DB force on curve xcess trn hndlng	11	331,402	---	10	1	---
H506	Lat DB force on curve excess, make-up	4	350,496	---	4	---	---
H507	Lat drawbar force-short/long car combo	7	168,155	1	6	---	---
H508	Improper train make-up	4	674,225	---	3	1	---
H509	Improper train inspection	1	132,047	---	1	---	---
H511	Automatic brake, excessive	1	7,000	---	1	---	---
H513	Automatic brake, other improper use	2	5,856,804	---	2	---	---
H514	Fail to allow air brks to release	1	15,790	---	1	---	---
H519	Dynamic brake, too rapid adjustment	1	8,802	---	1	---	---
H521	Dynamic brake, other improper use	1	19,200	---	1	---	---
H524	Excessive horsepower	5	401,634	---	5	---	---
H525	Independent brake, improper use	11	593,525	1	10	---	---
H526	Failure to actuate off independent brk	2	58,900	---	2	---	---
H599	Other train handling/makeup	11	519,613	2	8	1	---
	SUBTOTAL.....	134	11,710,324	8	122	4	---
	SPEED						
H601	Coupling speed excessive	13	364,296	1	8	4	---
H602	Switch movement, excessive speed	3	115,442	2	1	---	---
H603	Train inside yard limits, excess speed	9	538,680	---	9	---	---
H604	Train outside yd limits, excess speed	1	139,050	---	1	---	---
H605	Failure to comply with restricted spee	12	508,587	3	3	6	---
H606	Train outside yd limits, nonblock terr, exc	1	106,700	---	1	---	---
H699	Speed, other	5	298,426	2	3	---	---
	SUBTOTAL.....	44	2,071,181	8	26	10	---
	SWITCHES, USE OF						
H701	Spring Swtch not clear before reverse	5	200,094	---	3	2	---
H702	Switch improperly lined	106	3,686,981	17	75	14	---
H703	Switch not latched or locked	12	249,995	---	12	---	---
H704	Switch previously run through	18	441,609	---	18	---	---
H705	Moveable point trk frog improper lined	---	30,000	---	---	---	---
H799	Use of switches, other	10	316,509	---	9	1	---
	SUBTOTAL.....	151	4,925,188	17	117	17	---
	CAB SIGNALS						
H821	Automatic cab signal, fail to comply	1	22,000	---	---	1	---
	SUBTOTAL.....	1	22,000	---	---	1	---
	MISCELLANEOUS						
H993	Human factors - track	1	7,900	---	1	---	---
H994	Human factors - signal	---	5,000	---	---	---	---
H995	Human factors - motive power & equipme	3	46,800	2	---	1	---
H999	Other train operation/human factors	21	824,014	7	9	5	---
	SUBTOTAL.....	25	883,714	9	10	6	---
	GRAND TOTAL.....	784	42,418,336	159	417	207	1

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1996

Cause Of Accident		Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	BRAKES						
E0HC	Hnd brk link and/or connect defect	8	157,050	2	3	3	---
E0HL	Hnd brk linkage/connect defect-loco	1	12,800	---	---	1	---
E00C	Air hose uncoupled or burst	4	450,200	---	4	---	---
E00L	Air hose uncoupled or burst (LOCO)	1	2,200	---	1	---	---
E03C	Obstructed brake pipe	---	1,523,956	---	---	---	---
E04C	Oth brk component dmg,worn,broke,etc.	---	5,000	---	---	---	---
E04L	Oth brk parts dmg,worm,broke,etc.(LOCO	1	10,400	---	1	---	---
E05L	Brk valve malf.(undesire emerg)-Loco	1	345,499	---	1	---	---
E06C	Brake valve malf. (stuck brake, etc.)	2	21,903	---	2	---	---
E06L	Brk valve malf.(stuck brk, etc.)-loco	1	13,000	---	1	---	---
E07C	Rigging down or dragging	20	547,869	---	19	1	---
E08C	Hand brk broken or defective	5	126,382	1	3	1	---
E08L	Hand brake broken or defective (LOCO)	1	12,000	---	---	1	---
E09C	Other brake defects, cars	3	3,330,600	---	3	---	---
	SUBTOTAL.....	48	6,558,859	3	38	7	---
	TRAILER OR CONTAINER ON FLAT CAR						
E11C	Broken or defective tiedown equipment	1	24,363	---	---	1	---
	SUBTOTAL.....	1	24,363	---	---	1	---
	BODY						
E21C	Center sill broken or bent	10	195,288	---	8	2	---
E22C	Draft sill broken or bent	1	17,500	---	1	---	---
E23C	Center plate broken or defective	1	100	---	1	---	---
E24C	Ctr plate disengaged from truck	2	186,800	1	1	---	---
E25C	Center pin broken or missing	2	19,000	---	1	1	---
E27C	Side sill broken	1	36,600	---	1	---	---
E27L	Side sill broken (LOCOMOTIVE)	1	16,147	---	1	---	---
E29C	Other body defects, (CAR)	8	347,162	---	6	2	---
	SUBTOTAL.....	26	818,597	1	20	5	---
	COUPLER AND DRAFT SYSTEM						
E30C	Knuckle broken or defective	3	726,562	1	---	2	---
E31C	Coupler mismatch, high/low	4	99,927	---	3	1	---
E32C	Coupler drawhead broken or defective	3	21,500	1	2	---	---
E33C	Coupler retainer pin/cross key missing	1	39,957	---	1	---	---
E34C	Draft gear/mechanism broke/defective	5	1,004,058	---	4	1	---
E35C	Coupler carrier broken or defective	2	38,065	---	1	1	---
E36C	Coupler shank broken/defective	2	696,800	---	2	---	---
E36L	Coupler shank broken/defectivel -LOCO	1	17,000	---	1	---	---
E39C	Oth coupler/draft system defects-car	16	1,153,121	1	12	3	---
	SUBTOTAL.....	37	3,796,990	3	26	8	---
	TRUCK COMPONENTS						
E4TC	Truck hunting	4	99,294	---	4	---	---
E40C	Side bearing clearance insufficient	6	366,211	---	6	---	---
E41C	Side bearing clearance excessive	4	90,295	---	4	---	---
E44C	Truck bolster broken	3	1,902,748	---	3	---	---
E45C	Side frame broken	3	220,079	---	3	---	---
E46C	Truck bolster stiff	13	1,076,903	1	11	1	---
E47C	Defective snubbing	3	55,578	---	3	---	---
E48C	Broken, missing, or defective springs	1	168,200	---	1	---	---
E49C	Other truck component defects, (CAR)	10	446,145	2	5	3	---
	SUBTOTAL.....	47	4,425,453	3	40	4	---

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, CONT., 1996

Cause	Of Accident	Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	AXLES AND JOURNAL BEARINGS						
E51C	Broken/bent axle between wheel seats	5	427,058	---	5	---	---
E51L	Broke/bent axle btwn wheel seats-loco	1	10,900	---	1	---	---
E52C	Journal (plain) failure from overheat	8	1,702,400	---	8	---	---
E53C	Journal (roller bearing) overheating	46	8,431,053	1	43	2	---
E59C	Oth axle/journal bearing defect-car	3	597,840	---	3	---	---
E59L	Oth axle/journal bearing defect-loco	1	16,193	---	1	---	---
	SUBTOTAL.....	64	11,185,444	1	61	2	---
	WHEELS						
E6AC	Thermal crack, flange or tread	3	948,563	---	3	---	---
E60C	Broken flange	3	105,185	---	3	---	---
E60L	Broken flange (LOCOMOTIVE)	1	67,403	---	1	---	---
E61C	Broken rim	11	2,526,354	---	10	1	---
E62C	Broken plate	7	1,026,222	---	6	1	---
E63C	Broken hub	1	6,840	---	1	---	---
E64C	Worn Flange	10	241,841	---	10	---	---
E64L	Worn flange (LOCOMOTIVE)	2	228,308	---	2	---	---
E67C	Damaged flange or tread (build up)	12	704,381	---	12	---	---
E68C	Loose wheel	2	79,998	---	2	---	---
E68L	Loose wheel (LOCOMOTIVE)	1	30,300	---	1	---	---
E69C	Other wheel defects (CAR)	8	1,129,251	---	8	---	---
	SUBTOTAL.....	61	7,094,646	---	59	2	---
	LOCOMOTIVES						
E71L	Traction motor failure (LOCOMOTIVE)	4	382,728	---	2	2	---
E74L	Electrically caused fire (LOCOMOTIVE)	3	247,583	---	---	3	---
E76L	Remote control equip inoperative (LOCO	2	30,300	---	1	1	---
E79L	Other locomotive defects	6	857,572	---	5	1	---
	SUBTOTAL.....	15	1,518,183	---	8	7	---
	DOORS						
E81C	Box car plug door,attachment defective	1	10,450	1	---	---	---
E84C	Box car door (not plug) attach defect	1	11,200	1	---	---	---
E85C	Bottom outlet car door open	2	36,770	---	2	---	---
E86C	Bottom outlet door attachment defect	2	181,239	---	2	---	---
	SUBTOTAL.....	6	239,659	2	4	---	---
	GENERAL MECHANICAL AND ELECTRICAL FAILURES						
E99C	Other mechanical/electrical failures	11	1,091,545	---	2	9	---
E99L	Other mechanical/electrical fail(LOCO)	2	43,350	---	1	1	---
	SUBTOTAL.....	13	1,134,895	---	3	10	---
	GRAND TOTAL.....	318	36,797,089	13	259	46	---

TABLE 22: NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, 1996

	Cause Of Accident	Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	ROADBED DEFECTS						
T001	Roadbed settled or soft	20	3,003,074	---	20	---	---
T002	Washout/rain/slide/etc. dmg -track	7	3,054,317	---	7	---	---
T099	Other roadbed defects	2	547,600	---	1	1	---
	SUBTOTAL.....	29	6,604,991	---	28	1	---
	TRACK GEOMETRY DEFECTS						
T101	Cross level of track irregular(joints)	25	1,156,749	1	24	---	---
T102	Cross level track irreg.(not at joints	30	3,432,269	---	29	1	---
T103	Deviate frm uniform top of rail profil	5	344,121	---	3	2	---
T104	Disturbed ballast section	2	28,725	---	2	---	---
T105	Insufficient ballast section	1	14,511	---	1	---	---
T106	Superelevation improper, excessive,etc	8	1,016,791	---	8	---	---
T107	Superelevation runoff improper	2	389,400	---	2	---	---
T108	Trk alignmnt irreg-not buckled/sunkink	13	900,722	---	13	---	---
T109	Track alignment irreg(buckled/sunkink)	29	9,022,934	---	29	---	---
T110	Wide gage(defective/missing crossties)	181	6,117,424	---	173	8	---
T111	Wide gage(spikes/other rail fasteners)	16	645,650	---	16	---	---
T112	Wide gage(loose,broke, etc, gage rods)	1	6,800	---	1	---	---
T113	Wide gage (due to worn rails)	15	470,851	---	15	---	---
T199	Other track geometry defects	12	1,138,874	---	11	1	---
	SUBTOTAL.....	340	24,685,821	1	327	12	---
	RAIL AND JOINT BAR DEFECTS						
T201	Bolt hole crack or break	10	2,203,828	---	9	1	---
T202	Broken base of rail	51	3,807,229	---	50	1	---
T203	Broken weld (plant)	5	494,254	---	5	---	---
T204	Broken weld (field)	3	103,300	---	3	---	---
T205	Defective or missing crossties	7	346,070	---	7	---	---
T206	Defect/missing spike-oth rail fastener	3	217,968	1	2	---	---
T207	Detail fracture - shelling/head check	30	5,730,749	---	30	---	---
T208	Engine burn fracture	1	29,500	---	1	---	---
T210	Head and web sep(outside jt bar limit)	24	1,793,341	---	23	1	---
T211	Head & web separation-in jt bar limit	6	1,742,899	---	6	---	---
T212	Horizontal split head	5	143,789	---	5	---	---
T213	Joint bar broken (compromise)	5	809,501	---	5	---	---
T215	Joint bar broken (noninsulated)	11	5,069,190	---	11	---	---
T216	Joint bolts, broken, or missing	2	723,880	---	2	---	---
T217	Mismatched rail-head contour	4	62,200	---	4	---	---
T218	Piped rail	1	10,165	---	1	---	---
T219	Rail defect with joint bar repair	2	23,288	---	2	---	---
T220	Transverse/compound fissure	27	3,738,174	---	26	1	---
T221	Vertical split head	31	6,127,726	---	31	---	---
T222	Worn rail	15	517,675	---	15	---	---
T299	Other rail and joint bar defects	26	5,031,876	---	25	1	---
	SUBTOTAL.....	269	38,726,602	1	263	5	---

TABLE 22: NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, CONT., 1996

Cause Of Accident		Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	FROGS, SWITCHES AND TRACK APPLIANCES						
T301	Derail, defective	1	25,000	---	1	---	---
T303	Guard rail loose/broken or mislocated	2	11,830	---	2	---	---
T304	Railroad crossing frog, worn or broken	1	58,000	---	1	---	---
T305	Retarder worn, broken, malfunctioning	26	576,004	3	10	13	---
T306	Retarder yard skate defective	1	7,700	---	1	---	---
T307	Spring/power swtch mech. malfunction	6	122,997	---	5	1	---
T308	Stock rail worn, broken, disconnected	8	234,482	---	8	---	---
T309	Switch (hand op) stand mechanism defect	6	100,012	---	6	---	---
T310	Swtch connect/operate rod broke/defect	2	94,245	---	2	---	---
T311	Switch damaged or out of adjustment	38	915,009	---	36	2	---
T312	Switch lug/crank broken	2	50,590	---	2	---	---
T313	Switch out of adj. insuff. anchoring	5	116,927	---	5	---	---
T314	Switch point worn or broken	90	2,133,980	---	86	4	---
T315	Switch rod worn, bent, broken, etc.	4	43,575	---	4	---	---
T316	Turnout frog (rigid) worn, or broken	3	1,335,172	---	3	---	---
T317	Turnout frog(self guarded)-worn/broken	2	93,062	---	2	---	---
T318	Turnout frog (spring) worn, or broken	1	16,900	---	1	---	---
T319	Switch pt gap(btwn swt pt & stock rail	24	528,322	---	24	---	---
T399	Oth frog, switch, trk appliance defect	21	514,575	---	21	---	---
	SUBTOTAL.....	243	6,978,382	3	220	20	---
	OTHER WAY AND STRUCTURES						
T401	Bridge misalignment or failure	4	102,350	---	2	2	---
T402	Flangeway clogged	3	74,745	---	3	---	---
T403	Engineering design or construction	1	10,700	---	1	---	---
T499	Other way and structure defect	16	1,284,716	---	4	12	---
	SUBTOTAL.....	24	1,472,511	---	10	14	---
	SIGNAL AND COMMUNICATION FAILURES						
S003	Automatic trn control sys inoperative	1	42,000	---	1	---	---
S006	Classyard autocontrol sys switch fail	12	216,598	1	7	4	---
S007	Class yd auto ctrl sys retarder fail	27	513,372	3	9	15	---
S008	Fixed sig improperly displayed (defect	1	9,500	---	1	---	---
S011	Power switch failure	1	56,232	---	---	1	---
S012	Radio communication equipment failure	1	11,516	---	1	---	---
S099	Other signal failures	6	794,091	---	3	3	---
	SUBTOTAL.....	49	1,643,309	4	22	23	---
	GRAND TOTAL.....	954	80,111,616	9	870	75	---

TABLE 23. NUMBER OF ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1996

	Cause Of Accident	Total Accidents	Total Damage	Collisions	Derailments	Other	Hwy Rail Crossing
	ENVIRONMENTAL CONDITIONS						
M101	Snow,ice,mud,gravel,coal,etc. on trk	27	830,065	---	25	2	---
M102	Extreme environmental - TORNADO	4	104,447	---	4	---	---
M103	Extreme environmental - FLOOD	2	155,314	---	2	---	---
M105	Extreme wind velocity	10	2,437,641	1	7	2	---
M199	Other extreme environmental conditions	6	1,727,286	---	4	2	---
	SUBTOTAL.....	49	5,254,753	1	42	6	---
	LOADING PROCEDURES						
M201	Load shifted	5	1,039,650	---	5	---	---
M202	Load fell from car	3	220,680	1	1	1	---
M203	Overloaded car	4	86,600	---	4	---	---
M204	Improperly loaded car	11	608,979	---	10	1	---
M205	Oversized load, misrouted	1	22,300	---	1	---	---
M206	Trailer/container tiedown eqp improper	1	9,535	---	1	---	---
M299	Miscellaneous loading procedures	7	1,040,616	---	6	1	---
	SUBTOTAL.....	32	3,028,360	1	28	3	---
	HIGHWAY-RAIL GRADE CROSSING ACCIDENTS						
M301	Hwy user impairment-drug/alcohol use	4	179,449	---	---	---	4
M302	Highway user inattentiveness	56	2,622,383	---	---	---	56
M303	Hwy user misjudgement	14	1,023,757	---	---	---	14
M304	Highway user cited for violation	21	921,813	---	---	---	21
M305	Hwy user unaware,environmental factor	1	8,000	---	---	---	1
M306	Highway user unable to stop, weather	2	26,265	---	---	---	2
M399	Other causes (highway-rail collisions)	40	3,832,927	---	---	---	40
	SUBTOTAL.....	138	8,614,594	---	---	---	138
	UNUSUAL OPERATIONAL SITUATIONS						
M401	Emergency brke appl. to avoid accident	2	400,539	---	2	---	---
M402	Object/equipment (mtr veh) on track	10	370,531	1	---	8	1
M403	Livestock on track	1	8,336	---	---	1	---
M404	Obj/equip on/fouling track, other	21	1,748,411	1	8	12	---
M405	Harmonic rock off, etc.	48	3,460,708	---	47	1	---
M406	Fire, other than vandalism	6	211,873	---	---	6	---
M407	Auto hump retarder failed to slow car	14	327,643	1	7	6	---
M408	Yard skate slid and failed to stop car	9	174,864	1	2	6	---
M409	Lading chains/straps fouling switches	6	138,538	---	5	1	---
	SUBTOTAL.....	117	6,841,443	4	71	41	1
	OTHER MISCELLANEOUS						
M501	Interference(not vandals)with RR op.	9	176,371	1	4	3	1
M502	Vandalism of on-track equipment	17	5,088,770	3	12	2	---
M503	Vandalism of track or track appliances	36	2,488,373	---	27	9	---
M504	Fail by non-rr empto control spd of ca	5	82,550	---	2	3	---
M505	Cause under investigation	56	17,631,645	6	45	5	---
M599	Other miscellaneous causes	69	12,593,059	8	39	22	---
	SUBTOTAL.....	192	38,060,768	18	129	44	1
	GRAND TOTAL.....	528	61,799,918	24	270	94	140

TABLE 24. DAMAGE TO EQUIPMENT IN TRAIN ACCIDENTS BY CONSIST TYPE, 1996

ype of onsist	....Collisions.... Number	Damage	...Derailments.... Number	Damage	.....Other..... Number	Damage	..Hwy-Rail X-ing.. Number	Damage	.....Total..... Number	Damage
reight train....	108	17,535,756	1,223	103,213,595	89	2,913,782	90	4,955,545	1,510	128,618,678
assenger train..	9	10,433,944	48	4,055,702	61	2,234,811	32	1,586,624	150	18,311,081
ixed train.....	1	9,848	1	4,275	---	---	---	---	2	14,123
ork train.....	---	---	5	75,507	1	94,074	2	9,850	8	179,431
ingle car.....	32	883,430	23	330,468	68	1,097,090	5	62,875	128	2,373,863
ut of cars.....	40	513,329	73	1,119,005	99	1,416,327	---	---	212	3,048,661
ard/switching...	128	2,167,586	443	6,026,180	167	2,990,322	3	23,651	741	11,207,739
ight loco(s)....	45	2,316,847	34	776,974	18	698,657	6	119,634	103	3,912,112
nknown.....	---	---	---	---	---	---	---	---	---	---
Total.....	363	33,860,740	1,850	115,601,706	503	11,445,063	138	6,758,179	2,854	167,665,688

NOTE: "Number" represents the number of consists sustaining damage

TABLE 25. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY TYPE ACCIDENT, 1996

Type Of Accident	Consists Carrying	.....Cars..... In Consist	Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat	People Evacuated	Damage To Equipment
Derailment	401	26,774	3,860	589	67	7,522	45,165,043
Head on collision	3	32	19	1	---	---	3,837,715
Rear end collision	1	55	2	---	---	---	42,000
Side collision	41	2,155	497	44	---	---	1,962,384
Raking collision	9	387	30	13	---	---	150,169
Broken train collision	2	119	42	4	---	---	194,728
Rail-hwy crossing	24	1,441	206	11	---	---	3,166,948
RR grade crossing	---	---	---	---	---	---	---
Obstruction	5	156	35	4	---	---	28,100
Explosion-detonation	1	6	3	3	---	---	24,800
Fire or violent rupture	1	118	1	1	1	---	62,584
Other	74	1,989	398	103	1	1,025	1,329,409
Total	562	33,232	5,093	773	69	8,547	55,963,880

TABLE 26. TRAIN ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, 1996

YEAR	TOTAL NUMBER OF ACCIDENTS	ACCIDENTS IN WHICH A HAZMAT CAR WAS DAMAGED OR DERAILED	ACCIDENTS IN WHICH THERE WAS A RELEASE OF HAZARDOUS MATERIALS	ACCIDENTS WHICH RESULTED IN EVALUATION
1991	525	293	47	28
1992	482	230	27	11
1993	559	262	29	15
1994	537	266	36	20
1995	561	295	27	21
1996	535	283	34	15

TABLE 27. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY CAUSE, 1996

Cause	Consists Carrying	Cars: In Consist	Cars: Containing Hazmat	Cars: Damaged W/Hazmat	Cars: Releasing Hazmat	People Evacuated	Damage To Equipment
TRACK, ROADBED AND STRUCTURES							
Roadbed defects	4	222	21	8	---	---	299,680
Track geometry defects	73	4,528	694	117	1	---	3,389,156
Rail joint bar and anchoring	70	4,265	780	130	14	1,066	15,094,744
Frogs, switches and track appliances	42	2,518	399	53	3	---	683,592
Other way and structure	1	66	1	---	---	---	464
Signal and communication failures	10	588	31	14	1	---	834,241
Subtotal.....	200	12,187	1,926	322	19	1,066	20,301,877
MECHANICAL AND ELECTRICAL FAILURES							
Brakes	15	981	147	16	1	---	411,511
Trailer or container on flat car	---	---	---	---	---	---	---
Body	5	396	28	2	1	1,000	84,846
Coupler and draft system	2	177	11	3	---	---	39,500
Truck components	15	1,192	191	19	1	---	1,539,915
Axles and journal bearings	19	1,345	264	27	2	1,030	2,126,158
Wheels	13	1,012	140	8	1	---	843,613
Locomotives	4	315	27	6	---	---	590,156
Doors	4	260	36	---	---	---	19,450
General mechanical and electrical failures	2	96	49	13	---	---	930,210
Subtotal.....	79	5,774	893	94	6	2,030	6,585,359
TRAIN OPERATION - HUMAN FACTORS							
Brakes, use of	29	707	179	38	---	---	809,358
Employee physical condition	---	---	---	---	---	---	---
Flagging, fixed, hand and radio signals	8	538	84	9	---	---	780,269
General switching rules	57	2,531	564	72	---	25	1,315,607
Main track authority	8	451	59	5	---	---	1,411,556
Train handling/train make-up	39	2,959	348	43	8	14	6,015,689
Speed	8	451	81	4	1	---	185,293
Switches, use of	35	1,783	214	42	1	---	852,429
Cab signals	---	---	---	---	---	---	---
Miscellaneous	1	140	24	---	---	---	82,500
Subtotal.....	185	9,560	1,553	213	10	39	11,452,701
MISCELLANEOUS FACTORS							
Environmental conditions	8	622	71	17	---	7	2,307,982
Loading procedures	12	645	88	17	2	---	1,107,369
Highway-rail grade crossing accidents	24	1,441	206	11	---	---	3,166,948
Unusual operational situations	22	1,205	92	32	5	---	739,448
Other miscellaneous	32	1,798	264	67	27	5,405	10,302,196
Subtotal.....	98	5,711	721	144	34	5,412	17,623,943
GRAND TOTAL.....	562	33,232	5,093	773	69	8,547	55,963,880

TABLE 28. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY STATE, 1996

State	Consists Carrying	Cars: In Consist	Cars: Containing Hazmat	Cars: Damaged W/Hazmat	Cars: Releasing Hazmat	People Evacuated	Damage To Equipment
Alabama	14	537	86	11	---	---	251,947
Alaska	---	---	---	---	---	---	---
Arizona	14	676	292	52	5	---	3,212,716
Arkansas	23	1,395	200	15	---	---	1,223,511
California	35	1,872	203	56	7	54	5,739,636
Colorado	12	712	105	9	6	14	4,753,146
Connecticut	---	---	---	---	---	---	---
Delaware	---	---	---	---	---	---	---
Dist of Columbia	---	---	---	---	---	---	---
Florida	2	102	10	---	---	---	5,695
Georgia	8	427	31	11	1	---	1,380,557
Idaho	8	498	68	8	---	---	1,044,786
Illinois	69	3,494	383	72	2	---	4,016,861
Indiana	7	378	84	5	---	---	71,375
Iowa	14	899	115	39	4	4	1,323,139
Kansas	24	1,070	158	34	---	7	1,254,008
Kentucky	16	970	162	27	1	25	405,222
Louisiana	20	1,532	542	56	2	55	1,742,910
Maine	3	78	11	---	---	---	140,227
Maryland	2	127	18	1	1	---	30,000
Massachusetts	---	---	---	---	---	---	---
Michigan	4	285	41	6	---	---	302,825
Minnesota	11	504	79	16	2	33	824,734
Mississippi	13	1,021	206	9	1	2,100	1,686,513
Missouri	13	846	159	23	---	---	791,531
Montana	20	1,134	124	18	3	1,000	4,228,920
Nebraska	12	975	68	6	1	---	1,558,726
Nevada	3	209	26	4	---	---	204,400
New Hampshire	1	42	6	---	---	---	13,629
New Jersey	1	27	2	2	---	---	17,800
New Mexico	9	554	161	8	---	---	957,910
New York	7	572	17	17	1	---	397,689
North Carolina	9	459	114	30	3	---	620,475
North Dakota	7	441	43	5	---	---	1,630,956
Ohio	15	1,101	53	21	---	---	862,480
Oklahoma	10	471	68	18	---	1,000	392,888
Oregon	10	629	35	8	2	---	165,202
Pennsylvania	10	808	145	28	---	---	1,843,877
Rhode Island	---	---	---	---	---	---	---
South Carolina	6	237	138	16	1	100	187,100
South Dakota	1	73	4	---	---	---	28,400
Tennessee	18	1,313	91	19	2	1,000	1,524,878
Texas	58	3,834	689	60	5	---	3,801,790
Utah	5	245	26	3	---	---	80,600
Vermont	2	39	3	---	---	---	8,080
Virginia	6	374	31	12	1	---	745,750
Washington	6	298	40	2	---	---	64,825
West Virginia	3	95	48	4	---	---	3,692,000
Wisconsin	19	993	107	33	16	3,155	1,550,686
Wyoming	12	886	101	9	2	---	1,183,480
Unknown	---	---	---	---	---	---	---
TOTAL	562	33,232	5,093	773	69	8,547	55,963,880

TABLE 29: TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY RAILROAD, 1996

Railroad	TOTAL HAZMAT CONSISTS	<<<.....C A R S.....>>> In Consists	Containing Hazmat	Damaged w/Hazmat	Releasing Hazmat	People Evacuated	Damage to Equipment
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Corp.)	0	0	0	0	0	0	0
Burlington Northern Santa Fe Corp.	132	7,484	1,111	155	11	1,094	12,013,701
Consolidated Rail Corp.	25	1,773	56	56	1	0	3,319,010
CSX Transportation	47	2,995	332	56	6	0	6,774,896
Denver & Rio Grande Western Railroad	5	371	35	7	6	14	4,666,153
Grand Trunk Western Railroad Inc.	1	56	11	0	0	0	4,100
Illinois Central Railroad Co.	42	2,943	589	57	3	2,125	4,420,073
Kansas City Southern Railway Co.	2	156	25	17	2	30	928,222
Norfolk Southern Corp.	27	1,498	150	35	4	1,125	859,398
Soo Line Railroad Co.	16	699	82	28	1	4	954,383
Southern Pacific Transportation Co.	38	2,791	409	64	7	0	6,138,959
St. Louis Southwestern Railway Co.	6	356	30	5	0	0	271,610
Union Pacific Railroad Co.	102	6,910	1,103	87	4	0	6,164,516
Total Class I Railroads.....	443	28,032	3,933	567	45	4,392	46,515,021
GROUP II RAILROADS **							
Alton & Southern Railroad	3	103	10	3	0	0	67,200
Alaska Railroad Corp.	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	2	40	8	0	0	0	135,227
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	12	366	46	13	0	0	201,607
Birmingham Southern Railroad Co.	1	16	4	1	0	0	7,898
Chicago, Central & Pacific Railroad	2	204	41	5	0	0	69,100
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	1	67	6	0	0	0	5,000
Duluth, Missabe & Iron Range Railway	1	8	3	3	0	0	25,239
Duluth, Winnipeg & Pacific Railway	2	173	20	2	0	0	39,500
Elgin, Joliet & Eastern Railway Co.	4	116	63	7	0	0	53,600
Florida East Coast Railway Co.	2	102	10	0	0	0	5,695
Guilford Railroad System	0	0	0	0	0	0	0
Gateway Western Railway	5	245	26	12	0	0	827,426
Houston Belt & Terminal Railway Co.	1	27	27	2	0	0	2,169
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0
Long Island Rail Road	0	0	0	0	0	0	0
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0
Metro North Commuter Railroad Co.	0	0	0	0	0	0	0
Montana Rail Link	14	718	94	12	3	1,000	3,822,000
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0
New Jersey Transit Rail Operations	0	0	0	0	0	0	0
Paducah & Louisville Railway Co.	5	159	44	10	0	0	80,147
Port Authority Trans Hudson	0	0	0	0	0	0	0
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	0
Southern Pacific, Chicago-St. Louis	3	134	17	0	0	0	257,760
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0
Union Railroad Co. (Pittsburgh)	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	17	908	73	29	16	3,155	1,713,432
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	75	3,386	492	99	19	4,155	7,313,000
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	443	28,032	3,933	567	45	4,392	46,515,021
Group II Railroads **	75	3,386	492	99	19	4,155	7,313,000
All Other Railroads	44	1,814	668	107	5	0	2,135,859
Total All Railroads	562	33,232	5,093	773	69	8,547	55,963,880

** GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

TABLE 30. TRAIN ACCIDENTS BY STATE AND TYPE OF ACCIDENT, 1996

State	....Collisions....		...Derailments....		.....Other.....		..Hwy-Rail X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	10	226,000	20	2,561,821	4	94,369	6	544,316	40	3,426,506
Alaska.....	---	---	5	120,950	---	---	---	---	5	120,950
Arizona.....	1	63,057	19	4,814,887	2	33,450	1	15,100	23	4,926,494
Arkansas.....	3	129,430	47	3,208,662	6	170,903	8	365,375	64	3,874,370
California.....	8	332,150	102	9,936,006	17	517,055	11	693,490	138	11,478,701
Colorado.....	5	137,878	39	7,602,269	8	115,693	---	---	52	7,855,840
Connecticut.....	---	---	2	28,213	11	175,351	1	15,000	14	218,564
Delaware.....	---	---	1	10,500	2	37,261	---	---	3	47,761
Dist of Columbia.	1	31,344	4	86,953	3	128,861	---	---	8	247,158
Florida.....	7	514,366	27	1,612,312	4	65,659	9	368,542	47	2,560,879
Georgia.....	4	66,952	35	2,024,699	4	62,613	7	1,602,452	50	3,756,716
Idaho.....	---	---	28	2,969,705	3	182,913	3	59,000	34	3,211,618
Illinois.....	29	2,134,461	171	9,687,563	58	1,566,409	4	50,769	262	13,439,202
Indiana.....	10	250,631	42	1,172,827	5	149,919	9	300,616	66	1,873,993
Iowa.....	6	175,439	61	5,559,544	12	236,227	5	84,137	84	6,055,347
Kansas.....	4	89,171	52	3,897,911	15	550,103	5	146,018	76	4,683,203
Kentucky.....	10	378,889	23	1,265,292	6	473,790	2	15,037	41	2,133,008
Louisiana.....	10	605,836	35	2,247,346	11	331,355	9	411,467	65	3,596,004
Maine.....	1	12,063	4	213,463	1	35,000	---	---	6	260,526
Maryland.....	3	6,692,776	8	1,845,771	1	61,350	2	310,000	14	8,909,897
Massachusetts....	---	---	6	179,310	4	68,070	2	122,467	12	369,847
Michigan.....	1	30,150	42	1,302,989	5	96,492	1	75,000	49	1,504,631
Minnesota.....	4	3,025,511	72	6,417,091	16	332,794	7	106,273	99	9,881,669
Mississippi.....	3	1,114,269	50	3,482,904	9	449,432	4	99,675	66	5,146,280
Missouri.....	5	182,296	64	7,547,110	8	134,644	2	610,000	79	8,474,050
Montana.....	3	127,000	42	8,689,023	7	73,685	1	15,000	53	8,904,708
Nebraska.....	2	114,750	41	11,004,479	36	1,231,295	1	25,000	80	12,375,524
Nevada.....	---	---	8	1,413,473	2	71,592	1	86,000	11	1,571,065
New Hampshire....	---	---	---	---	---	---	1	13,629	1	13,629
New Jersey.....	4	3,642,500	8	4,097,712	6	211,705	1	16,265	19	7,968,182
New Mexico.....	---	---	13	1,930,692	5	294,112	1	11,835	19	2,236,639
New York.....	9	102,794	76	3,165,885	28	1,729,653	3	181,520	116	5,179,852
North Carolina...	2	29,500	17	995,207	---	---	5	114,800	24	1,139,507
North Dakota.....	1	253,500	29	4,431,589	3	60,464	4	161,379	37	4,906,932
Ohio.....	8	238,973	67	3,254,698	1	11,300	3	50,600	79	3,555,571
Oklahoma.....	1	12,200	29	1,930,690	7	229,409	5	252,930	42	2,425,229
Oregon.....	5	526,350	38	1,943,169	3	45,418	1	8,000	47	2,522,937
Pennsylvania.....	3	550,249	72	5,162,607	13	1,524,129	2	17,500	90	7,254,485
Rhode Island.....	---	---	---	---	---	---	---	---	---	---
South Carolina...	1	30,950	15	886,789	1	11,500	3	224,000	20	1,153,239
South Dakota.....	---	---	26	1,519,892	2	50,500	---	---	28	1,570,392
Tennessee.....	6	104,092	27	1,920,056	9	198,550	---	---	42	2,222,698
Texas.....	13	437,754	142	9,279,595	27	521,400	8	1,381,193	190	11,619,942
Utah.....	3	79,221	27	451,102	5	351,400	---	---	35	881,723
Vermont.....	---	---	3	49,756	---	---	1	185,500	4	235,256
Virginia.....	5	265,495	37	4,297,702	12	376,989	---	---	54	4,940,186
Washington.....	5	85,550	29	1,646,067	15	463,540	2	73,000	51	2,268,157
West Virginia....	2	6,845,800	23	2,188,055	3	44,128	---	---	28	9,077,983
Wisconsin.....	4	143,071	48	5,395,122	16	274,444	---	---	68	5,812,637
Wyoming.....	3	6,035,523	40	6,869,879	6	331,870	---	---	49	13,237,272
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	205	35,817,941	1,816	162,319,337	422	14,176,796	141	8,812,885	2,584	221,126,959

TABLE 31. TRAIN ACCCIDENTS BY STATE AND CAUSE OF ACCIDENT, 1996

State	.....Track.....		....Equipment.....		..Human Factors...		..Miscellaneous...		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	13	1,999,632	3	40,660	14	278,803	10	1,107,411	40	3,426,506
Alaska.....	3	80,650	2	40,300	---	---	---	---	5	120,950
Arizona.....	11	2,440,177	4	1,956,210	5	152,107	3	378,000	23	4,926,494
Arkansas.....	28	1,921,954	4	56,653	14	1,283,098	18	612,665	64	3,874,370
California.....	50	2,718,937	11	1,017,431	41	1,345,941	36	6,396,392	138	11,478,701
Colorado.....	17	2,298,462	6	184,617	22	5,246,146	7	126,615	52	7,855,840
Connecticut.....	4	75,757	6	83,544	---	---	4	59,263	14	218,564
Delaware.....	---	---	1	18,350	2	29,411	---	---	3	47,761
Dist of Columbia.	1	16,080	1	15,772	1	8,753	5	206,553	8	247,158
Florida.....	17	380,270	---	---	12	688,477	18	1,492,132	47	2,560,879
Georgia.....	9	281,286	13	1,080,235	18	379,648	10	2,015,547	50	3,756,716
Idaho.....	13	2,424,391	4	234,055	7	211,369	10	341,803	34	3,211,618
Illinois.....	102	3,532,097	26	4,588,027	87	4,083,667	47	1,235,411	262	13,439,202
Indiana.....	14	261,899	9	520,201	26	506,721	17	585,172	66	1,873,993
Iowa.....	44	4,132,437	8	833,110	18	612,053	14	477,747	84	6,055,347
Kansas.....	21	683,077	12	636,724	27	1,203,305	16	2,160,097	76	4,683,203
Kentucky.....	13	519,313	4	458,714	15	561,499	9	593,482	41	2,133,008
Louisiana.....	17	470,761	11	1,399,265	25	1,097,269	12	628,709	65	3,596,004
Maine.....	2	57,429	---	---	1	12,063	3	191,034	6	260,526
Maryland.....	3	75,550	---	---	5	116,032	6	8,718,315	14	8,909,897
Massachusetts....	5	123,310	2	28,770	1	32,000	4	185,767	12	369,847
Michigan.....	17	740,820	2	27,200	21	374,013	9	362,598	49	1,504,631
Minnesota.....	39	5,005,656	11	1,903,913	19	998,364	30	1,973,736	99	9,881,669
Mississippi.....	31	2,401,934	11	689,380	14	1,439,434	10	615,532	66	5,146,280
Missouri.....	36	5,071,103	10	1,073,096	21	719,172	12	1,610,679	79	8,474,050
Montana.....	21	7,028,000	9	898,429	14	288,755	9	689,524	53	8,904,708
Nebraska.....	42	6,788,070	11	2,669,594	20	2,767,337	7	150,523	80	12,375,524
Nevada.....	1	693,104	3	256,875	5	190,586	2	430,500	11	1,571,065
New Hampshire....	---	---	---	---	---	---	1	13,629	1	13,629
New Jersey.....	2	45,800	3	48,035	8	3,826,660	6	4,047,687	19	7,968,182
New Mexico.....	5	933,227	4	794,665	8	326,912	2	181,835	19	2,236,639
New York.....	41	1,911,546	14	1,159,802	31	973,492	30	1,135,012	116	5,179,852
North Carolina...	11	236,862	4	522,364	2	49,681	7	330,600	24	1,139,507
North Dakota.....	20	4,241,904	4	81,985	3	135,905	10	447,138	37	4,906,932
Ohio.....	22	1,122,007	9	1,206,706	35	768,099	13	458,759	79	3,555,571
Oklahoma.....	15	1,166,870	5	276,663	9	374,193	13	607,503	42	2,425,229
Oregon.....	18	1,049,972	10	396,329	12	735,049	7	341,587	47	2,522,937
Pennsylvania.....	38	1,220,978	14	2,038,265	19	989,757	19	3,005,485	90	7,254,485
Rhode Island.....	---	---	---	---	---	---	---	---	---	---
South Carolina...	8	329,350	1	42,700	3	74,650	8	706,539	20	1,153,239
South Dakota.....	16	701,495	3	294,100	6	495,502	3	79,295	28	1,570,392
Tennessee.....	11	529,326	4	44,059	22	757,824	5	891,489	42	2,222,698
Texas.....	67	3,615,042	20	1,638,840	72	3,215,481	31	3,150,579	190	11,619,942
Utah.....	10	151,367	2	29,822	20	645,711	3	54,823	35	881,723
Vermont.....	3	49,756	---	---	---	---	1	185,500	4	235,256
Virginia.....	18	2,700,673	7	234,464	20	1,840,790	9	164,259	54	4,940,186
Washington.....	14	1,028,299	4	129,400	20	675,200	13	435,258	51	2,268,157
West Virginia....	14	956,817	3	150,453	6	74,592	5	7,896,121	28	9,077,983
Wisconsin.....	33	2,163,941	8	1,635,218	21	578,979	6	1,434,499	68	5,812,637
Wyoming.....	14	3,734,228	15	5,362,094	12	1,253,836	8	2,887,114	49	13,237,272
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	954	80,111,616	318	36,797,089	784	42,418,336	528	61,799,918	2,584	221,126,959

TABLE 32. TRAIN ACCIDENTS BY STATE AND MONTH, 1996

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alabama.....	5	4	8	2	4	4	4	1	4	2	---	2	40
Alaska.....	---	---	---	---	---	2	2	1	---	---	---	---	5
Arizona.....	3	3	2	2	2	---	---	5	3	1	2	---	23
Arkansas.....	7	7	8	7	4	3	5	5	9	3	2	4	64
California.....	8	14	12	10	8	16	12	13	11	11	10	13	138
Colorado.....	3	2	2	7	3	8	8	3	6	3	5	2	52
Connecticut.....	4	2	---	---	3	1	2	---	---	2	---	---	14
Delaware.....	1	---	---	1	---	---	---	---	---	1	---	---	3
Dist of Columbia.	1	---	---	1	2	---	1	---	---	1	2	---	8
Florida.....	2	1	5	3	6	3	3	2	10	3	4	5	47
Georgia.....	3	5	3	3	3	7	6	3	6	6	2	3	50
Idaho.....	3	2	5	3	3	2	2	4	2	1	4	3	34
Illinois.....	26	18	20	28	28	19	19	18	23	22	24	17	262
Indiana.....	5	2	6	3	8	6	8	2	10	5	9	2	66
Iowa.....	7	8	12	12	14	12	2	1	8	5	2	1	84
Kansas.....	4	6	8	7	5	4	11	7	3	10	3	8	76
Kentucky.....	5	4	5	3	2	5	2	7	2	1	3	2	41
Louisiana.....	6	---	3	3	5	3	8	6	10	4	8	9	65
Maine.....	1	---	---	1	1	---	1	---	---	1	---	1	6
Maryland.....	2	1	---	3	---	3	2	1	---	2	---	---	14
Massachusetts....	1	2	---	1	2	2	1	---	1	---	---	2	12
Michigan.....	1	4	5	3	5	3	5	4	3	5	6	5	49
Minnesota.....	15	12	5	8	6	9	6	9	8	7	10	4	99
Mississippi.....	9	4	8	2	6	6	3	6	8	2	7	5	66
Missouri.....	2	5	7	8	10	9	6	5	11	6	8	2	79
Montana.....	6	4	5	9	7	4	2	3	3	3	3	4	53
Nebraska.....	12	11	6	9	7	8	4	4	7	1	5	6	80
Nevada.....	---	1	1	1	1	1	3	---	2	---	---	1	11
New Hampshire....	---	---	---	---	---	---	---	---	---	1	---	---	1
New Jersey.....	2	1	2	2	---	1	2	1	---	3	3	2	19
New Mexico.....	2	3	1	3	3	1	1	---	1	1	2	1	19
New York.....	10	12	13	10	5	9	14	13	7	5	6	12	116
North Carolina...	---	3	1	3	4	1	4	---	3	1	3	1	24
North Dakota.....	4	6	3	2	3	3	3	4	4	1	---	4	37
Ohio.....	7	8	9	4	6	8	7	7	1	8	6	8	79
Oklahoma.....	5	---	7	3	7	6	1	3	4	2	2	2	42
Oregon.....	5	6	3	4	2	6	5	1	4	2	5	4	47
Pennsylvania.....	7	9	7	8	12	8	10	7	9	4	3	6	90
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina...	2	2	1	2	1	2	1	3	1	2	2	1	20
South Dakota.....	1	1	3	2	4	2	4	4	2	1	2	2	28
Tennessee.....	1	3	4	6	2	1	3	6	4	6	3	3	42
Texas.....	14	11	17	18	13	13	30	14	14	17	16	13	190
Utah.....	3	4	3	2	2	5	4	5	1	1	2	3	35
Vermont.....	---	---	---	2	---	---	---	1	---	---	1	---	4
Virginia.....	7	4	5	5	7	2	8	4	3	2	2	5	54
Washington.....	6	4	8	4	4	2	4	5	6	2	---	6	51
West Virginia....	5	2	---	---	3	3	3	3	---	2	3	4	28
Wisconsin.....	4	9	6	7	5	4	9	5	6	3	4	6	68
Wyoming.....	7	4	7	3	1	2	5	4	3	6	4	3	49
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	234	214	236	230	229	219	246	200	223	178	188	187	2,584

TABLE 33. CASUALTIES BY STATE AND TYPE OF ACCIDENT/INCIDENT, 1996

State	.....Train Accidents....			.....Train Incidents....			...Nontrain Incidents...			.....Total.....		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
Alabama.....	---	11	---	25	95	---	---	84	1	25	190	1
Alaska.....	---	---	---	2	7	1	---	56	8	2	63	9
Arizona.....	2	---	---	19	21	2	1	81	3	22	102	5
Arkansas.....	1	6	---	24	71	---	1	154	2	26	231	2
California.....	4	13	---	91	169	1	1	547	1	96	729	2
Colorado.....	2	2	---	10	46	2	---	118	16	12	166	18
Connecticut.....	---	1	---	3	19	3	---	131	5	3	151	8
Delaware.....	---	---	---	1	7	---	---	55	---	1	62	---
Dist of Columbia.	---	1	---	---	4	---	---	75	---	---	80	---
Florida.....	3	7	1	37	81	---	1	157	2	41	245	3
Georgia.....	4	2	---	23	76	---	---	110	1	27	188	1
Idaho.....	1	2	---	6	32	---	---	77	2	7	111	2
Illinois.....	5	24	---	70	209	1	1	818	7	76	1,051	8
Indiana.....	2	12	---	37	113	---	1	235	1	40	360	1
Iowa.....	---	5	---	13	65	---	1	184	---	14	254	---
Kansas.....	2	4	---	17	58	---	---	143	---	19	205	---
Kentucky.....	---	6	---	12	48	---	1	121	---	13	175	---
Louisiana.....	2	16	---	34	141	---	1	91	---	37	248	---
Maine.....	---	3	---	---	4	---	---	46	---	---	53	---
Maryland.....	11	36	---	7	29	---	---	111	---	18	176	---
Massachusetts....	---	23	---	12	21	---	---	171	---	12	215	---
Michigan.....	---	3	---	26	110	2	2	257	5	28	370	7
Minnesota.....	---	22	---	19	85	---	2	288	4	21	395	4
Mississippi.....	1	5	---	16	86	---	---	40	1	17	131	1
Missouri.....	---	5	---	29	71	1	1	158	6	30	234	7
Montana.....	1	6	2	6	33	---	1	104	---	8	143	2
Nebraska.....	---	3	---	14	45	---	---	170	2	14	218	2
Nevada.....	---	2	---	4	8	---	---	22	---	4	32	---
New Hampshire....	1	---	---	---	2	---	---	8	---	1	10	---
New Jersey.....	3	82	---	16	56	---	6	342	1	25	480	1
New Mexico.....	3	2	---	10	41	---	1	41	---	14	84	---
New York.....	3	14	---	18	180	14	6	1,381	32	27	1,575	46
North Carolina...	---	2	---	26	81	---	1	96	1	27	179	1
North Dakota.....	1	6	---	3	22	---	1	73	---	5	101	---
Ohio.....	1	1	---	28	112	3	5	265	2	34	378	5
Oklahoma.....	1	3	---	26	63	---	1	64	---	28	130	---
Oregon.....	---	2	---	6	43	---	1	136	4	7	181	4
Pennsylvania.....	---	17	---	16	111	---	3	625	3	19	753	3
Rhode Island.....	---	---	---	1	2	---	---	11	1	1	13	1
South Carolina...	---	1	---	18	55	---	---	42	1	18	98	1
South Dakota.....	---	---	---	2	13	1	---	26	1	2	39	2
Tennessee.....	---	1	---	20	41	---	---	87	1	20	129	1
Texas.....	1	12	---	120	339	3	3	375	2	124	726	5
Utah.....	---	1	---	14	24	---	---	67	---	14	92	---
Vermont.....	---	3	---	1	5	---	---	18	---	1	26	---
Virginia.....	---	1	---	18	44	---	---	98	---	18	143	---
Washington.....	---	7	---	19	65	1	---	156	2	19	228	3
West Virginia....	2	4	---	5	22	---	1	51	1	8	77	1
Wisconsin.....	---	---	---	8	105	---	1	192	3	9	297	3
Wyoming.....	---	6	---	5	15	---	---	60	---	5	81	---
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	57	385	3	937	3,195	35	45	8,818	122	1,039	12,398	160

TABLE 34. TRAIN ACCIDENT AND TRAIN INCIDENT FATALITIES TO TRESPASSERS AND NONTRESPASSERS, 1996

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama	---	7	2	9	---	16	---	16	---	23	2	25
Alaska	---	1	---	1	---	---	---	---	---	1	---	1
Arizona	1	17	1	19	---	1	---	1	1	18	1	20
Arkansas	1	3	1	5	---	18	2	20	1	21	3	25
California	1	66	16	83	---	9	1	10	1	75	17	93
Colorado	---	5	---	5	---	4	1	5	---	9	1	10
Connecticut	---	3	---	3	---	---	---	---	---	3	---	3
Delaware	---	1	---	1	---	---	---	---	---	1	---	1
Dist of Columbia	---	---	---	---	---	---	---	---	---	---	---	---
Florida	2	29	1	32	1	6	1	8	3	35	2	40
Georgia	---	18	1	19	1	6	---	7	1	24	1	26
Idaho	---	1	---	1	---	6	---	6	---	7	---	7
Illinois	2	32	11	45	2	22	3	27	4	54	14	72
Indiana	1	10	5	16	2	17	3	22	3	27	8	38
Iowa	---	3	1	4	1	7	---	8	1	10	1	12
Kansas	---	6	2	8	2	9	---	11	2	15	2	19
Kentucky	1	7	1	9	1	1	---	2	2	8	1	11
Louisiana	---	7	---	7	4	25	---	29	4	32	---	36
Maine	---	---	---	---	---	---	---	---	---	---	---	---
Maryland	---	4	3	7	---	---	---	---	---	4	3	7
Massachusetts	---	11	---	11	---	1	---	1	---	12	---	12
Michigan	---	9	6	15	1	10	---	11	1	19	6	26
Minnesota	2	8	---	10	---	8	---	8	2	16	---	18
Mississippi	---	2	6	8	---	9	---	9	---	11	6	17
Missouri	2	7	2	11	---	18	---	18	2	25	2	29
Montana	---	4	---	4	---	3	---	3	---	7	---	7
Nebraska	---	8	2	10	---	4	---	4	---	12	2	14
Nevada	---	1	1	2	---	1	---	1	---	2	1	3
New Hampshire	---	---	---	---	---	1	---	1	---	1	---	1
New Jersey	3	5	5	13	---	---	2	2	3	5	7	15
New Mexico	---	9	3	12	---	1	---	1	---	10	3	13
New York	1	8	7	16	1	1	2	4	2	9	9	20
North Carolina	1	17	2	20	---	5	---	5	1	22	2	25
North Dakota	---	---	---	---	---	4	---	4	---	4	---	4
Ohio	2	15	---	17	---	10	2	12	2	25	2	29
Oklahoma	---	5	1	6	2	14	5	21	2	19	6	27
Oregon	---	4	2	6	---	---	---	---	---	4	2	6
Pennsylvania	2	6	5	13	---	2	1	3	2	8	6	16
Rhode Island	---	1	---	1	---	---	---	---	---	1	---	1
South Carolina	1	14	---	15	---	3	---	3	1	17	---	18
South Dakota	---	---	---	---	---	2	---	2	---	2	---	2
Tennessee	1	12	---	13	---	7	---	7	1	19	---	20
Texas	3	50	16	69	7	36	6	49	10	86	22	118
Utah	1	3	---	4	---	9	1	10	1	12	1	14
Vermont	---	---	---	---	---	---	1	1	---	---	1	1
Virginia	1	13	2	16	---	2	---	2	1	15	2	18
Washington	---	16	3	19	---	---	---	---	---	16	3	19
West Virginia	1	4	---	5	---	---	---	---	1	4	---	5
Wisconsin	---	4	1	5	---	3	---	3	---	7	1	8
Wyoming	---	2	1	3	---	2	---	2	---	4	1	5
Unknown	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	30	458	110	598	25	303	31	359	55	761	141	957

TABLE 35. TRAIN ACCIDENT AND TRAIN INCIDENT NONFATAL CASUALTIES TO TRESPASSERS AND NONTRESPASSERS, 1996

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama	---	19	1	20	7	51	1	59	7	70	2	79
Alaska	---	---	1	1	---	---	---	---	---	---	1	1
Arizona	---	11	---	11	---	3	---	3	---	14	---	14
Arkansas	---	2	4	6	5	27	3	35	5	29	7	41
California	8	42	11	61	4	26	6	36	12	68	17	97
Colorado	---	3	---	3	2	11	---	13	2	14	---	16
Connecticut	---	3	---	3	---	---	---	---	---	3	---	3
Delaware	---	1	1	2	---	2	---	2	---	3	1	4
Dist of Columbia	---	---	---	---	---	---	---	---	---	---	---	---
Florida	---	26	5	31	---	16	2	18	---	42	7	49
Georgia	2	20	---	22	1	35	---	36	3	55	---	58
Idaho	1	---	---	1	---	11	1	12	1	11	1	13
Illinois	9	33	7	49	4	49	9	62	13	82	16	111
Indiana	---	17	5	22	12	42	6	60	12	59	11	82
Iowa	1	2	1	4	2	32	2	36	3	34	3	40
Kansas	2	3	---	5	1	28	6	35	3	31	6	40
Kentucky	4	9	1	14	3	20	---	23	7	29	1	37
Louisiana	1	11	8	20	14	81	3	98	15	92	11	118
Maine	---	1	---	1	---	1	---	1	---	2	---	2
Maryland	---	1	---	1	---	3	---	3	---	4	---	4
Massachusetts	---	5	3	8	1	1	1	3	1	6	4	11
Michigan	5	15	5	25	7	54	5	66	12	69	10	91
Minnesota	3	4	2	9	1	36	5	42	4	40	7	51
Mississippi	---	5	4	9	6	54	3	63	6	59	7	72
Missouri	---	11	1	12	4	23	5	32	4	34	6	44
Montana	---	6	---	6	1	9	---	10	1	15	---	16
Nebraska	1	7	---	8	4	10	1	15	5	17	1	23
Nevada	---	1	---	1	---	2	2	4	---	3	2	5
New Hampshire	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey	---	8	5	13	---	5	2	7	---	13	7	20
New Mexico	---	15	1	16	1	14	---	15	1	29	1	31
New York	4	13	5	22	1	9	2	12	5	22	7	34
North Carolina	1	25	3	29	6	34	---	40	7	59	3	69
North Dakota	---	8	1	9	---	4	---	4	---	12	1	13
Ohio	2	15	3	20	9	30	2	41	11	45	5	61
Oklahoma	2	8	1	11	6	28	3	37	8	36	4	48
Oregon	---	10	2	12	---	6	---	6	---	16	2	18
Pennsylvania	1	9	9	19	2	11	3	16	3	20	12	35
Rhode Island	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina	1	8	2	11	2	31	---	33	3	39	2	44
South Dakota	---	1	---	1	3	5	---	8	3	6	---	9
Tennessee	1	11	1	13	---	17	2	19	1	28	3	32
Texas	6	80	23	109	9	114	17	140	15	194	40	249
Utah	---	3	2	5	---	5	2	7	---	8	4	12
Vermont	---	---	---	---	---	1	2	3	---	1	2	3
Virginia	---	16	2	18	---	12	---	12	---	28	2	30
Washington	3	8	---	11	---	18	---	18	3	26	---	29
West Virginia	1	10	---	11	---	3	---	3	1	13	---	14
Wisconsin	2	6	3	11	8	51	6	65	10	57	9	76
Wyoming	---	---	---	---	---	5	---	5	---	5	---	5
Unknown	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	61	512	123	696	126	1,030	102	1,258	187	1,542	225	1,954

TABLE 36: SUMMARY OF TRAIN-MILES OPERATED, 1996

Railroad	Locomotive Train Miles	Motor Train Miles	Yard/Swch Train Miles	Total Train Miles	Total Employee Hours	Passenger* Miles	Revenue Passengers
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Co.)	30,244,440	1,826,402	1,769,655	33,840,497	42,558,749	5,218,443,714	27,590,012
Burlington Northern Santa Fe Corp.	127,004,462	0	18,799,466	145,803,928	87,606,519	276,797,050	12,953,204
Consolidated Rail Corp.	37,513,103	0	8,214,816	45,727,919	42,901,360	0	0
CSX Transportation	70,618,800	0	12,867,510	83,486,310	56,858,669	71,941,314	1,972,350
Denver & Rio Grande Western Railroad	7,680,491	0	0	7,680,491	4,999,002	0	0
Grand Trunk Western Railroad Inc.	4,044,611	0	1,428,138	5,472,749	4,487,912	0	0
Illinois Central Railroad Co.	7,935,559	0	13,471	7,949,030	6,805,913	0	0
Kansas City Southern Railway Co.	6,877,672	0	1,245,408	8,123,080	5,340,805	0	0
Norfolk Southern Corp.	53,910,281	0	9,744,774	63,655,055	46,838,219	0	0
Soo Line Railroad Co.	7,633,773	0	2,240,346	9,874,119	8,147,488	0	0
Southern Pacific Transportation Co.	36,034,817	0	7,858,551	43,893,368	27,957,468	0	0
St. Louis Southwestern Railway Co.	10,108,889	0	744,494	10,853,383	4,767,798	0	0
Union Pacific Railroad Co.	105,707,245	0	9,565,284	115,272,529	69,011,062	522,106,589	23,585,244
Total Class I Railroads.....	505,314,143	1,826,402	74,491,913	581,632,458	408,280,964	6,089,288,667	66,100,810
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	733,799	733,799	663,507	0	0
Alaska Railroad Corp.	717,541	0	144,215	861,756	1,039,508	14,748,739	520,181
Bangor & Aroostook Railroad	767,447	0	86,300	853,747	645,141	0	0
Bessemer & Lake Erie Railroad Co.	230,186	0	14,563	244,749	649,146	0	0
Belt Railway Co. Of Chicago	57,384	0	408,297	465,681	1,349,187	0	0
Birmingham Southern Railroad Co.	101,305	0	16,745	118,050	424,532	0	0
Chicago, Central & Pacific Railroad	973,845	0	27,406	1,001,251	886,935	0	0
Delaware & Hudson Railway Co.	1,490,000	0	252,818	1,742,818	1,205,035	0	0
Dakota, Minnesota & Eastern Railroad	722,175	0	0	722,175	713,660	0	0
Duluth, Missabe & Iron Range Railway	646,813	0	110,918	757,731	1,395,408	0	0
Duluth, Winnipeg & Pacific Railway	639,102	0	14,889	653,991	429,134	0	0
Elgin, Joliet & Eastern Railway Co.	356,309	0	258,141	614,450	1,490,828	0	0
Florida East Coast Railway Co.	2,736,270	0	556,812	3,293,082	1,820,388	0	0
Guilford Railroad System	949,386	0	117,133	1,066,519	1,932,688	0	0
Gateway Western Railway	760,534	0	242,655	1,003,189	556,286	0	0
Houston Belt & Terminal Railway Co.	0	0	337,836	337,836	460,003	0	0
Indiana Harbor Belt Railroad Co.	1,533,582	0	0	1,533,582	1,813,609	0	0
Long Island Rail Road	1,690,200	6,368,600	112,889	8,171,689	11,413,639	2,074,296,403	74,410,518
Massachusettes Bay Transit Authority	1,688,552	0	0	1,688,552	3,018,456	209,695,666	11,036,614
Metro North Commuter Railroad Co.	5,763,273	1,668,663	702	7,432,638	10,466,152	1,772,601,338	60,636,491
Montana Rail Link	3,625,995	0	129,500	3,755,495	2,244,137	10,339	3,878
Northern Indiana Commuter Trans.	0	714,143	0	714,143	532,205	100,704,437	3,515,362
Northeast Illinois Regional Comuter	3,305,868	0	75,556	3,381,424	4,792,160	684,399,679	32,854,347
New Jersey Transit Rail Operations	3,097,941	4,142,688	526,551	7,767,180	7,676,462	1,095,799,668	47,673,060
Paducah & Louisville Railway Co.	462,819	0	136,504	599,323	562,290	0	0
Port Authority Trans Hudson	0	1,755,911	263,386	2,019,297	2,047,819	290,190,118	60,615,000
Peninsular Commuter (San Mateo County	442,246	0	0	442,246	706,970	0	0
Port Terminal Railroad Assoc.	0	0	1,129,676	1,129,676	639,575	0	0
Southern California Regional Rail	1,249,366	0	0	1,249,366	443,020	198,765,202	5,680,335
Southeastern Pennsylvania Trans.	0	5,066,606	0	5,066,606	3,503,608	301,194,372	22,146,646
Southern Pacific, Chicago-St. Louis	2,001,279	0	0	2,001,279	488,886	0	0
Terminal Railroad Assoc. Of St. Louis	0	0	519,299	519,299	558,498	0	0
Union Railroad Company (Pittsburgh)	0	0	152,789	152,789	730,325	0	0
Wisconsin Central Ltd. (also Railway)	4,006,434	0	1,035,936	5,042,370	4,139,594	648,548	1,232
Wheeling & Lake Erie Railway Co.	481,510	0	77,373	558,883	749,015	0	0
Total Group II Railroads **.....	40,497,362	19,716,611	7,482,688	67,696,661	72,187,806	6,743,054,509	319,093,664
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	505,314,143	1,826,402	74,491,913	581,632,458	408,280,964	6,089,288,667	66,100,810
Group II Railroads **	40,497,362	19,716,611	7,482,688	67,696,661	72,187,806	6,743,054,509	319,093,664
all Other Railroads	15,646,218	99,970	5,848,653	21,594,841	24,130,007	754,316,727	12,199,637
Total All Railroads	561,457,723	21,642,983	87,823,254	670,923,960	504,598,777	13,586,659,903	397,394,111

* Passenger-mile: Movement of a passenger for a distance of one mile.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

TABLE 37. PART I: INVOLVEMENT IN TRAIN ACCIDENTS BY RAILROAD, TYPE AND CAUSE, 1996

Railroad	<<.....COLLISIONS.....>> Human	Equip	Track	Other	Total	Damages	<<.....DERAILMENTS.....>> Human	Equip	Track	Other	Total	Damages
CLASS I RAILROADS												
Amtrak (Nat'l Railroad Passenger Corp)	1	0	0	3	4	2,814,120	10	2	28	17	57	5,200,048
Burlington Northern Santa Fe Corp.	15	2	1	3	21	4,590,124	64	65	169	64	362	37,972,925
Consolidated Rail Corp.	17	0	1	3	21	966,835	57	23	47	23	150	10,069,450
CSX Transportation	21	0	1	5	27	7,927,770	25	19	53	26	123	11,175,464
Denver & Rio Grande Western Railroad	5	0	0	0	5	85,581	13	3	16	5	37	7,188,619
Grand Trunk Western Railroad Inc.	1	0	0	0	1	30,150	13	3	10	3	29	678,993
Illinois Central Railroad Co.	8	0	0	0	8	305,600	8	6	26	4	44	5,856,025
Kansas City Southern Railway Co.	10	2	0	0	12	1,312,885	7	11	24	2	44	4,000,425
Norfolk Southern Corp.	19	1	4	3	27	561,120	40	21	30	10	101	5,791,237
Soo Line Railroad Co.	5	1	0	1	7	1,746,172	11	6	41	12	70	2,785,800
Southern Pacific Transportation Co.	14	0	0	0	14	477,647	31	10	59	24	124	11,213,112
St. Louis Southwestern Railway Co.	1	0	0	0	1	36,000	6	2	18	7	33	1,791,207
Union Pacific Railroad Co.	20	4	0	2	26	4,746,880	107	58	154	38	357	32,443,968
Total Class I Railroads.....	137	10	7	20	174	25,600,884	392	229	675	235	1,531	136,167,273
GROUP II RAILROADS **												
Alton & Southern Railroad	3	0	0	2	5	113,880	0	0	1	0	1	34,103
Alaska Railroad Corp.	0	0	0	0	0	0	0	2	3	0	5	120,950
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	1	2	3	202,963
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	1	0	0	1	6,840
Belt Railway Co. Of Chicago	2	1	2	0	5	153,650	4	2	22	3	31	710,708
Birmingham Southern Railroad Co.	1	0	0	0	1	25,320	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	1	0	0	0	1	79,969	0	1	7	2	10	258,168
Delaware & Hudson Railway Co.	0	0	0	0	0	0	3	3	1	1	8	570,828
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	5	4	13	3	25	2,695,475
Duluth, Missabe & Iron Range Railway	0	0	0	1	1	25,239	0	3	1	2	6	125,053
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	1	2	0	1	4	66,794
Elgin, Joliet & Eastern Railway Co.	3	0	2	0	5	99,997	0	1	7	1	9	112,455
Florida East Coast Railway Co.	1	0	0	0	1	15,918	2	0	8	0	10	217,838
Guilford Railroad System	0	0	0	0	0	0	0	0	1	0	1	64,580
Gateway Western Railway	2	0	0	0	2	868,350	1	0	3	0	4	95,134
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	6	2	0	1	9	90,909
Long Island Rail Road	2	2	0	0	4	43,794	4	0	9	3	16	252,508
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0	0	0	0	0	0
Metro North Commuter Railroad Co.	0	0	0	1	1	0	0	2	2	2	6	132,202
Montana Rail Link	2	1	0	0	3	127,000	6	3	16	0	25	6,157,035
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	2	0	2	0	4	75,628
New Jersey Transit Rail Operations	2	0	0	1	3	3,625,500	2	0	2	1	5	112,559
Paducah & Louisville Railway Co.	3	0	0	0	3	26,950	0	0	2	2	4	123,946
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0
Peninsular Commuter(San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Assoc.	1	0	0	0	1	15,089	2	0	2	0	4	112,645
Southern California Regional Rail	0	0	0	0	0	0	0	1	1	0	2	106,431
Southeastern Pennsylvania Trans.	0	0	0	1	1	14,444	0	1	0	0	1	67,403
Southern Pacific, Chicago-St. Louis	1	0	0	0	1	250,000	3	2	5	1	11	103,910
Terminal Railroad Assoc.Of State Dock	0	0	0	0	0	0	4	1	6	3	14	307,874
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	9	0	9	236,378
Wisconsin Central Ltd. (also Railway)	2	1	0	1	4	80,021	1	5	22	4	32	3,483,315
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	1	0	1	15,131
Total Group II Railroads **.....	26	5	4	7	42	5,565,121	46	36	147	32	261	16,659,763
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	126	8	6	16	156	25,600,884	358	216	628	214	1,416	136,167,273
Group II Railroads **	25	4	3	6	38	5,565,121	38	29	131	29	227	16,659,763
All Other Railroads	8	1	0	2	11	4,651,936	21	14	111	27	173	9,492,301
Total All Railroads	159	13	9	24	205	35,817,941	417	259	870	270	1,816	162,319,337

** Group II Railroads: Railroads, excluding class I, with annual accumulation of over 400,000 employee hours worked.

Reporting rules require that when multiple railroads are involved in an accident, each railroad must prepare a report that describes the extent of its involvement. An example of this would be when a train of one railroad derails on track maintained by another railroad. In all other tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.

TABLE 37. PART II: INVOLVEMENT IN TRAIN ACCIDENTS BY RAILROAD, TYPE AND CAUSE, 1996

Railroad	<<.....OTHER ACCIDENTS.....>> Human	Equip	Track	Other	Total	Damages	<<.....TOTALS.....>> Accs	Rate*	Damages
CLASS I RAILROADS									
Amtrak (Nat'l Railroad Passenger Corp)	3	5	6	29	43	1,493,135	104	3.07	9,507,303
Burlington Northern Santa Fe Corp.	44	5	7	43	99	2,523,227	482	3.31	45,086,276
Consolidated Rail Corp.	2	0	0	5	7	1,203,799	178	3.89	12,240,084
CSX Transportation	7	0	0	31	38	2,666,174	188	2.25	21,769,408
Denver & Rio Grande Western Railroad	1	0	0	2	3	31,300	45	5.86	7,305,500
Grand Trunk Western Railroad Inc.	1	0	0	1	2	17,300	32	5.85	726,443
Illinois Central Railroad Co.	18	0	0	6	24	971,014	76	9.56	7,132,639
Kansas City Southern Railway Co.	16	1	0	5	22	402,779	78	9.60	5,716,089
Norfolk Southern Corp.	10	2	3	20	35	966,077	163	2.56	7,318,434
Soo Line Railroad Co.	8	0	9	15	32	1,051,876	109	11.04	5,583,848
Southern Pacific Transportation Co.	14	0	1	13	28	1,655,211	166	3.78	13,345,970
St. Louis Southwestern Railway Co.	3	1	1	5	10	359,368	44	4.05	2,186,575
Union Pacific Railroad Co.	38	13	22	26	99	3,534,683	482	4.18	40,725,531
Total Class I Railroads.....	165	27	49	201	442	16,875,943	2,147	3.69	178,644,100
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	0	0	0	6	8.18	147,983
Alaska Railroad Corp.	0	0	0	0	0	0	5	5.80	120,950
Bangor & Aroostook Railroad	0	0	0	0	0	0	3	3.51	202,963
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	1	4.09	6,840
Belt Railway Co. Of Chicago	7	0	11	5	23	425,747	59	126.70	1,290,105
Birmingham Southern Railroad Co.	1	0	0	0	1	7,898	2	16.94	33,218
Chicago, Central & Pacific Railroad	0	0	0	1	1	25,337	12	11.99	363,474
Delaware & Hudson Railway Co.	0	0	0	0	0	0	8	4.59	570,828
Dakota, Minnesota & Eastern Railroad	0	0	1	0	1	34,500	26	36.00	2,729,975
Duluth, Missabe & Iron Range Railway	0	0	0	1	1	8,803	8	10.56	159,095
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	4	6.12	66,794
Elgin, Joliet & Eastern Railway Co.	1	0	0	1	2	25,421	16	26.04	237,873
Florida East Coast Railway Co.	0	0	0	4	4	155,161	15	4.56	388,917
Guilford Railroad System	0	0	0	1	1	35,000	2	1.88	99,580
Gateway Western Railway	0	0	0	0	0	0	6	5.98	963,484
Houston Belt & Terminal Railway Co.	5	0	0	0	5	77,250	5	14.80	77,250
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	9	5.87	90,909
Long Island Rail Road	6	6	1	8	21	1,422,399	41	5.02	1,718,701
Massachusettes Bay Transit Authority	0	0	0	1	1	111,967	1	0.59	111,967
Metro North Commuter Railroad Co.	1	6	6	5	18	496,050	25	3.36	628,252
Montana Rail Link	5	0	0	2	7	73,685	35	9.32	6,357,720
Northern Indiana Commuter Trans.	0	0	0	2	2	43,080	2	2.80	43,080
Northeast Illinois Regional Comuter	0	1	0	2	3	21,857	7	2.07	97,485
New Jersey Transit Rail Operations	0	2	0	2	4	61,555	12	1.54	3,799,614
Paducah & Louisville Railway Co.	0	0	0	0	0	0	7	11.68	150,896
Port Authority Trans Hudson	0	0	0	0	0	0	0	0.00	0
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0.00	0
Port Terminal Railroad Assoc.	1	0	0	0	1	45,608	6	5.31	173,342
Southern California Regional Rail	0	0	0	7	7	257,020	9	7.20	363,451
Southeastern Pennsylvania Trans.	1	1	2	3	7	360,930	9	1.78	442,777
Southern Pacific, Chicago-St. Louis	0	0	0	1	1	20,000	13	6.50	373,910
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	14	26.96	307,874
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	9	58.90	236,378
Wisconsin Central Ltd. (also Railway)	8	2	4	0	14	229,244	50	9.92	3,792,580
Wheeling & Lake Erie Railway Co.	0	0	0	1	1	18,100	2	3.58	33,231
Total Group II Railroads **.....	36	18	25	47	126	3,956,612	429	6.34	26,181,496
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	159	27	48	170	404	16,875,943	1,976	3.40	178,644,100
Group II Railroads **	34	18	25	45	122	3,956,612	387	5.72	26,181,496
All Other Railroads	15	1	2	19	37	2,157,126	221	10.23	16,301,363
Total All Railroads	208	46	75	234	563	22,989,681	2,584	3.85	221,126,959

* Accident rate per million train miles.
** Group II Railroads: Railroads, excluding class I, with annual accumulation of over 400,000 employee hours worked.

Reporting rules require that when multiple railroads are involved in an accident, each railroad must prepare a report that describes the extent of its involvement. An example of this would be when a train of one railroad derails on track maintained by another railroad. In all other tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.

TABLE 38. PART I: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<<....TRAIN ACCIDENTS....>> Eod	Enod	Psgr	Nont	Tres	Contr	Total	<<...TRAIN INCIDENTS...>> Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp.)	0	0	0	2	5	0	7	1	0	2	3	87	0	93
Burlington Northern Santa Fe Corp.	2	0	0	2	0	0	4	1	0	0	80	87	0	168
Consolidated Rail Corp.	1	0	0	0	0	0	1	0	0	0	26	20	0	46
CSX Transportation	3	0	0	0	3	0	6	3	0	0	24	63	0	90
Denver & Rio Grande Western Railroad	2	0	0	0	0	0	2	0	0	0	6	1	0	7
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	0	0	0	0	9	1	0	10
Illinois Central Railroad Co.	1	0	0	2	0	0	3	0	0	0	8	7	0	15
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	24	2	0	26
Norfolk Southern Corp.	0	0	0	1	0	0	1	1	0	0	40	64	0	105
Soo Line Railroad Co.	0	0	0	0	0	0	0	0	0	0	4	4	0	8
Southern Pacific Transportation Co.	0	0	0	1	2	0	3	1	0	0	23	71	0	95
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0	0	0	0	17	3	0	20
Union Pacific Railroad Co.	0	0	0	5	0	0	5	2	0	0	59	92	0	153
Total Class I Railroads.....	9	0	0	13	10	0	32	9	0	2	323	502	0	836
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida East Coast Railway Co.	0	0	0	2	0	0	2	0	0	0	2	19	0	21
Guilford Railroad System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Long Island Rail Road	0	0	0	0	1	0	1	0	0	0	0	7	0	7
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Metro North Commuter Railroad Co.	0	0	0	0	1	0	1	0	0	0	0	2	0	2
Montana Rail Link	0	0	0	0	1	0	1	0	0	0	3	0	0	3
Northern Indiana Commuter Trans.	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	7	0	7
New Jersey Transit Rail Operations	2	0	1	0	0	0	3	0	0	0	0	11	0	11
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	1	0	1	0	0	0	0	4	0	4
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Group II Railroads **.....	2	0	1	2	5	0	10	1	0	0	10	71	0	82
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	9	0	0	13	10	0	32	9	0	2	323	502	0	836
Group II Railroads **	2	0	1	2	5	0	10	1	0	0	10	71	0	82
All Other Railroads	4	0	8	3	0	0	15	0	0	1	8	10	0	19
Total All Railroads	15	0	9	18	15	0	57	10	0	3	341	583	0	937

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 38. PART II: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<< NON-TRAIN INCIDENTS >> Eod	Enod	Psgr	Nont	Tres	Contr	Total	<<.....TOTALS.....>> Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak(Nat'l Railroad Passenger Corp.)	0	0	0	0	1	0	1	1	0	2	5	93	0	101
Burlington Northern Santa Fe Corp.	1	0	0	1	0	0	2	4	0	0	83	87	0	174
Consolidated Rail Corp.	0	0	0	5	1	0	6	1	0	0	31	21	0	53
CSX Transportation	2	0	0	1	2	0	5	8	0	0	25	68	0	101
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	2	0	0	6	1	0	9
Grand Trunk Western Railroad Inc.	0	0	0	0	1	0	1	0	0	0	9	2	0	11
Illinois Central Railroad Co.	1	0	0	0	0	0	1	2	0	0	10	7	0	19
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	24	2	0	26
Norfolk Southern Corp.	1	0	0	0	1	0	2	2	0	0	41	65	0	108
Soo Line Railroad Co.	0	0	0	1	2	0	3	0	0	0	5	6	0	11
Southern Pacific Transportation Co.	0	0	0	1	0	0	1	1	0	0	25	73	0	99
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0	0	0	0	17	3	0	20
Union Pacific Railroad Co.	2	0	0	2	2	0	6	4	0	0	66	94	0	164
Total Class I Railroads.....	7	0	0	11	10	0	28	25	0	2	347	522	0	896
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	1	0	1	0	0	0	0	1	0	1
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida East Coast Railway Co.	0	0	0	0	0	0	0	0	0	0	4	19	0	23
Guilford Railroad System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Long Island Rail Road	0	0	0	0	1	0	1	0	0	0	0	9	0	9
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Metro North Commuter Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Montana Rail Link	0	0	0	0	1	0	1	0	0	0	3	2	0	5
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	7	0	7
New Jersey Transit Rail Operations	0	0	0	1	5	0	6	2	0	1	1	16	0	20
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Southeastern Pennsylvania Trans.	0	0	0	0	1	0	1	0	0	0	0	5	0	5
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	1	0	1	0	0	0	2	2	0	4
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Group II Railroads **.....	0	0	0	1	10	0	11	3	0	1	13	86	0	103
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	7	0	0	11	10	0	28	25	0	2	347	522	0	896
Group II Railroads **	0	0	0	1	10	0	11	3	0	1	13	86	0	103
All Other Railroads	1	0	0	3	2	0	6	5	0	9	14	12	0	40
Total All Railroads	8	0	0	15	22	0	45	33	0	12	374	620	0	1,039

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 39. PART I: NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<<...TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	32	0	15	2	5	0	54	153	7	55	5	54	0	274
Burlington Northern Santa Fe Corp.	26	0	0	6	3	0	35	107	2	3	148	102	0	362
Consolidated Rail Corp.	5	0	0	1	0	0	6	92	1	0	53	59	0	205
CSX Transportation	13	0	0	7	2	0	22	71	0	0	158	77	0	306
Denver & Rio Grande Western Railroad	1	0	0	0	0	0	1	10	0	0	12	0	0	22
Grand Trunk Western Railroad Inc.	2	0	0	0	0	0	2	14	0	0	19	4	0	37
Illinois Central Railroad Co.	2	0	0	1	0	0	3	14	0	0	51	10	0	75
Kansas City Southern Railway Co.	9	0	0	3	0	0	12	21	0	0	66	8	0	95
Norfolk Southern Corp.	7	0	0	0	0	0	7	39	0	0	159	82	0	280
Soo Line Railroad Co.	9	0	0	0	0	0	9	44	1	0	28	6	0	79
Southern Pacific Transportation Co.	13	0	0	1	1	0	15	67	1	0	68	60	0	196
St. Louis Southwestern Railway Co.	1	0	0	2	0	0	3	17	0	0	30	1	0	48
Union Pacific Railroad Co.	23	0	0	1	0	0	24	165	2	2	203	114	0	486
Total Class I Railroads.....	143	0	15	24	11	0	193	814	14	60	1,000	577	0	2,465
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	7	0	0	0	1	0	8
Alaska Railroad Corp.	0	0	0	0	0	0	0	3	0	3	0	1	0	7
Bangor & Aroostook Railroad	3	0	0	0	0	0	3	1	0	0	1	0	0	2
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	2	0	0	1	0	0	3	3	0	0	8	1	0	12
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	2	0	0	0	3	0	5
Dakota, Minnesota & Eastern Railroad	1	0	0	0	0	0	1	3	0	0	6	1	0	10
Duluth, Missabe & Iron Range Railway	0	0	0	1	0	0	1	9	0	0	0	0	0	9
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Elgin, Joliet & Eastern Railway Co.	2	0	0	0	0	0	2	7	0	0	2	0	0	9
Florida East Coast Railway Co.	0	0	0	0	1	0	1	9	0	0	4	14	0	27
Guilford Railroad System	0	0	0	0	0	0	0	2	0	0	0	3	0	5
Gateway Western Railway	0	0	0	0	0	0	0	1	0	0	0	1	0	2
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	6	0	0	0	8	0	14
Long Island Rail Road	6	2	3	0	1	0	12	40	1	23	4	11	0	79
Massachusettes Bay Transit Authority	5	0	17	0	0	0	22	3	0	0	0	3	0	6
Metro North Commuter Railroad Co.	1	0	0	0	0	0	1	52	1	0	1	3	0	57
Montana Rail Link	6	0	0	2	0	0	8	15	0	0	4	0	0	19
Northern Indiana Commuter Trans.	1	0	0	0	0	0	1	0	0	0	1	0	0	1
Northeast Illinois Regional Comuter	3	0	15	1	0	0	19	6	0	7	3	11	0	27
New Jersey Transit Rail Operations	3	0	62	0	0	0	65	7	0	5	0	4	0	16
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	8	0	5	1	0	0	14
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Assoc.	1	0	0	0	0	0	1	2	0	0	3	0	0	5
Southern California Regional Rail	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	6	0	10	0	0	0	16	22	0	6	1	1	0	30
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	3	0	0	0	1	0	4
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	2	0	0	2	1	0	5
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	5	0	0	0	0	0	5
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	13	0	0	48	7	0	68
Wheeling & Lake Erie Railway Co.	1	0	0	0	0	0	1	3	0	0	8	2	0	13
Total Group II Railroads **.....	41	2	107	5	3	0	158	235	2	49	99	79	0	464
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	143	0	15	24	11	0	193	814	14	60	1,000	577	0	2,465
Group II Railroads **	41	2	107	5	3	0	158	235	2	49	99	79	0	464
All Other Railroads	14	0	15	7	1	0	37	135	0	18	123	25	0	301
Total All Railroads	198	2	137	36	15	0	388	1,184	16	127	1,222	681	0	3,230

** Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 39. PART II: NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1996

Railroad	<< NON-TRAIN INCIDENTS >> Eod	Enod	Psgr	Nont	Tres	Contr	Total	<<.....TOTALS.....>> Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak(Nat'l Railroad Passenger Corp)	801	27	32	20	1	0	881	986	34	102	27	60	0	1,209
Burlington Northern Santa Fe Corp.	742	26	9	28	6	0	811	875	28	12	182	111	0	1,208
Consolidated Rail Corp.	573	20	0	6	3	0	602	670	21	0	60	62	0	813
CSX Transportation	490	21	0	7	1	0	519	574	21	0	172	80	0	847
Denver & Rio Grande Western Railroad	78	1	0	0	0	0	79	89	1	0	12	0	0	102
Grand Trunk Western Railroad Inc.	136	4	0	4	0	0	144	152	4	0	23	4	0	183
Illinois Central Railroad Co.	72	0	0	1	0	0	73	88	0	0	53	10	0	151
Kansas City Southern Railway Co.	59	0	0	0	0	0	59	89	0	0	69	8	0	166
Norfolk Southern Corp.	246	15	0	97	12	0	370	292	15	0	256	94	0	657
Soo Line Railroad Co.	316	5	0	2	0	0	323	369	6	0	30	6	0	411
Southern Pacific Transportation Co.	355	15	0	4	0	0	374	435	16	0	73	61	0	585
St. Louis Southwestern Railway Co.	68	4	0	0	0	0	72	86	4	0	32	1	0	123
Union Pacific Railroad Co.	744	40	29	49	12	0	874	932	42	31	253	126	0	1,384
Total Class I Railroads.....	4,680	178	70	218	35	0	5,181	5,637	192	145	1,242	623	0	7,839
GROUP II RAILROADS **														
Alton & Southern Railroad	6	0	0	0	0	0	6	13	0	0	0	1	0	14
Alaska Railroad Corp.	42	0	0	2	1	0	45	45	0	3	2	2	0	52
Bangor & Aroostook Railroad	32	0	0	0	0	0	32	36	0	0	1	0	0	37
Bessemer & Lake Erie Railroad Co.	12	0	0	0	0	0	12	12	0	0	0	0	0	12
Belt Railway Co. Of Chicago	12	0	0	0	0	0	12	13	0	0	0	0	0	13
Birmingham Southern Railroad Co.	12	0	0	0	0	0	12	12	0	0	0	0	0	12
Chicago, Central & Pacific Railroad	39	1	0	0	0	0	40	44	1	0	9	1	0	55
Delaware & Hudson Railway Co.	41	0	0	0	0	0	41	43	0	0	0	3	0	46
Dakota, Minnesota & Eastern Railroad	18	0	0	0	0	0	18	22	0	0	6	1	0	29
Duluth, Missabe & Iron Range Railway	56	0	0	0	0	0	56	65	0	0	1	0	0	66
Duluth, Winnipeg & Pacific Railway	8	0	0	0	0	0	8	8	0	0	2	0	0	10
Elgin, Joliet & Eastern Railway Co.	36	0	0	1	0	0	37	45	0	0	3	0	0	48
Florida East Coast Railway Co.	36	0	0	8	1	0	45	45	0	0	12	16	0	73
Guilford Railroad System	16	0	0	0	0	0	16	18	0	0	0	3	0	21
Gateway Western Railway	16	3	0	0	0	0	19	17	3	0	0	1	0	21
Houston Belt & Terminal Railway Co.	6	0	0	0	0	0	6	6	0	0	0	1	0	7
Indiana Harbor Belt Railroad Co.	21	0	0	0	1	0	22	27	0	0	0	9	0	36
Long Island Rail Road	462	5	48	131	8	0	654	508	8	74	135	20	0	745
Massachusettes Bay Transit Authority	88	1	1	1	0	0	91	96	1	18	1	3	0	119
Metro North Commuter Railroad Co.	480	14	1	45	1	0	541	533	15	1	46	4	0	599
Montana Rail Link	46	0	0	0	1	0	47	67	0	0	6	1	0	74
Northern Indiana Commuter Trans.	24	0	4	1	0	0	29	25	0	4	2	0	0	31
Northeast Illinois Regional Comuter	125	4	45	42	3	0	219	134	4	67	46	14	0	265
New Jersey Transit Rail Operations	76	2	13	15	1	0	107	86	2	80	15	5	0	188
Paducah & Louisville Railway Co.	20	0	0	1	0	0	21	20	0	0	1	1	0	22
Port Authority Trans Hudson	105	0	16	53	0	0	174	113	0	21	54	0	0	188
Peninsular Commuter (San Mateo County)	14	0	0	0	0	0	14	14	0	0	0	0	0	14
Port Terminal Railroad Assoc.	3	0	0	1	0	0	4	6	0	0	4	0	0	10
Southern California Regional Rail	3	0	0	0	0	0	3	3	0	0	0	1	0	4
Southeastern Pennsylvania Trans.	170	0	37	36	1	0	244	198	0	53	37	2	0	290
Southern Pacific, Chicago-St. Louis	2	0	0	0	0	0	2	5	0	0	0	1	0	6
Terminal Railroad Assoc. Of St. Louis	13	0	0	1	0	0	14	15	0	0	3	1	0	19
Union Railroad Company (Pittsburgh)	23	0	0	0	0	0	23	28	0	0	0	0	0	28
Wisconsin Central Ltd. (also Railway)	97	0	0	4	0	0	101	110	0	0	52	7	0	169
Wheeling & Lake Erie Railway Co.	7	0	0	1	0	0	8	11	0	0	9	2	0	22
Total Group II Railroads **....	2,167	30	165	343	18	0	2,723	2,443	34	321	447	100	0	3,345
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	4,680	178	70	218	35	0	5,181	5,637	192	145	1,242	623	0	7,839
Group II Railroads **	2,167	30	165	343	18	0	2,723	2,443	34	321	447	100	0	3,345
All Other Railroads	970	2	14	49	1	0	1,036	1,119	2	47	179	27	0	1,374
Total All Railroads	7,817	210	249	610	54	0	8,940	9,199	228	513	1,868	750	0	12,558

** Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty
ENOD = Employee not on duty
PSGR = Passenger on train
NONT = Non-trespasser
TRES = Trespasser
CONTR = Contractor

TABLE 40. PART I: INJURIES TO EMPLOYEES ON DUTY BY TYPE OF INJURY AND RAILROAD, 1996

Railroad	<<.....AMPUTATIONS.....>> Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	<<.....FRACTURES.....>> Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
CLASS I RAILROADS												
Amtrak (Nat'l Railroad Passenger Corp)	0	4	0	0	0	4	10	13	17	3	2	45
Burlington Northern Santa Fe Corp.	0	4	5	0	0	9	10	33	28	5	28	104
Consolidated Rail Corp.	0	4	1	0	0	5	15	11	12	2	10	50
CSX Transportation	0	6	1	1	0	8	20	25	15	7	15	82
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	1	0	3	0	1	5
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	1	0	2	0	2	5
Illinois Central Railroad Co.	0	1	0	1	0	2	4	4	4	0	6	18
Kansas City Southern Railway Co.	0	0	0	0	0	0	1	2	2	0	3	8
Norfolk Southern Corp.	0	2	1	0	0	3	14	14	14	2	14	58
Soo Line Railroad Co.	1	0	1	1	0	3	4	5	5	0	1	15
Southern Pacific Transportation Co.	0	0	0	0	0	0	5	9	13	0	8	35
St. Louis Southwestern Railway Co.	0	1	0	0	0	1	1	1	3	1	3	9
Union Pacific Railroad Co.	0	3	1	0	0	4	16	30	17	2	25	90
Total Class I Railroads.....	1	25	10	3	0	39	102	147	135	22	118	524
GROUP II RAILROADS **												
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	1	0	0	1
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	2	0	0	0	2
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Co. Of Chicago	0	0	0	0	0	0	2	1	2	0	0	5
Birmingham Southern Railroad Co.	0	1	0	0	0	1	0	2	0	0	0	2
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0	1	1	1	1	4
Delaware & Hudson Railway Co.	0	0	0	0	0	0	1	0	3	0	0	4
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	1	1	1	3
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	1	3	2	1	0	7
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	1	0	0	1	2
Florida East Coast Railway Co.	0	1	0	0	0	1	1	0	0	0	0	1
Guilford Railroad System	0	0	0	0	0	0	0	1	1	0	1	3
Gateway Western Railway	0	0	0	0	0	0	1	2	0	0	0	3
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	1	1
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	1	1	0	0	0	2
Long Island Rail Road	0	0	0	0	0	0	0	3	3	1	2	9
Massachusettes Bay Transit Authority	0	0	0	0	0	0	1	0	1	4	0	6
Metro North Commuter Railroad Co.	0	0	0	0	0	0	7	4	2	1	2	16
Montana Rail Link	0	0	0	0	0	0	1	1	0	1	1	4
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	1	0	0	0	1	2	3	0	0	1	6
New Jersey Transit Rail Operations	0	0	0	0	0	0	2	5	4	2	0	13
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	1	0	0	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	1	3	1	0	1	6
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	2	0	1	0	3
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	1	2	3	1	1	8
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	1	0	0	0	1	2
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	3	1	2	2	8
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	1	2	0	0	3
Total Group II Railroads **.....	0	3	0	0	0	3	23	42	28	16	16	125
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	1	25	10	3	0	39	102	147	135	22	118	524
Group II Railroads **	0	3	0	0	0	3	23	42	28	16	16	125
All Other Railroads	1	6	2	1	0	10	7	25	17	4	15	68
Total All Railroads	2	34	12	4	0	52	132	214	180	42	149	717

** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 40. PART II: INJURIES TO EMPLOYEES ON DUTY BY TYPE OF INJURY AND RAILROAD, 1996

Railroad	<<..... OTHER INJURIES									>> TOTALS
	Bruise	Sprain/ Strain	Cut	Elec Burn	Other Burns	Dislo- cation	Object in-eye	Other	Total	
CLASS I RAILROADS										
Amtrak (Nat'l Railroad Passenger Corp)	255	439	133	6	10	3	26	57	929	978
Burlington Northern Santa Fe Corp.	116	392	135	5	10	3	17	74	752	865
Consolidated Rail Corp.	86	376	74	0	8	5	8	58	615	670
CSX Transportation	65	276	64	0	5	11	10	48	479	569
Denver & Rio Grande Western Railroad	8	38	9	0	2	1	1	10	69	74
Grand Trunk Western Railroad Inc.	19	92	11	0	3	2	3	10	140	145
Illinois Central Railroad Co.	14	36	9	0	0	1	2	6	68	88
Kansas City Southern Railway Co.	17	36	12	0	0	2	3	10	80	88
Norfolk Southern Corp.	35	110	43	0	7	4	7	21	227	288
Soo Line Railroad Co.	59	227	27	2	7	0	13	12	347	365
Southern Pacific Transportation Co.	57	218	42	1	3	8	20	46	395	430
St. Louis Southwestern Railway Co.	14	44	10	0	1	0	0	6	75	85
Union Pacific Railroad Co.	105	437	96	2	11	43	0	137	831	925
Total Class I Railroads.....	850	2,721	665	16	67	83	110	495	5,007	5,570
GROUP II RAILROADS **										
Alton & Southern Railroad	2	8	1	0	0	0	1	1	13	13
Alaska Railroad Corp.	13	14	9	0	0	0	0	1	37	38
Bangor & Aroostook Railroad	6	18	2	0	0	2	2	4	34	36
Bessemer & Lake Erie Railroad Co.	6	3	1	0	0	0	1	1	12	12
Belt Railway Company Of Chicago	2	3	3	0	0	0	0	0	8	13
Birmingham Southern Railroad Co.	0	6	1	0	0	0	0	1	8	11
Chicago, Central & Pacific Railroad	4	22	9	0	0	0	1	4	40	44
Delaware & Hudson Railway Co.	5	23	5	0	1	0	0	5	39	43
Dakota, Minnesota & Eastern Railroad	2	8	3	0	2	1	2	0	18	21
Duluth, Missabe & Iron Range Railway	8	34	6	0	2	0	1	4	55	62
Duluth, Winnipeg & Pacific Railway	0	6	2	0	0	0	0	0	8	8
Elgin, Joliet & Eastern Railway Co.	10	22	4	0	3	0	3	1	43	45
Florida East Coast Railway Co.	6	22	4	0	1	2	3	5	43	45
Guilford Railroad System	2	5	5	0	0	1	0	2	15	18
Gateway Western Railway	1	6	3	0	0	0	0	3	13	16
Houston Belt & Terminal Railway Co.	0	2	1	0	0	0	0	2	5	6
Indiana Harbor Belt Railroad Co.	5	13	4	0	0	0	1	2	25	27
Long Island Rail Road	83	267	65	10	2	3	20	41	491	500
Massachusettes Bay Transit Authority	16	57	10	0	0	1	2	4	90	96
Metro North Commuter Railroad Co.	93	271	60	9	2	3	17	21	476	492
Montana Rail Link	11	37	5	0	1	0	5	2	61	65
Northern Indiana Commuter Trans.	6	12	4	0	0	0	1	2	25	25
Northeast Illinois Regional Comuter	27	65	12	3	0	1	5	9	122	129
New Jersey Transit Rail Operations	16	32	16	0	1	1	1	6	73	86
Paducah & Louisville Railway Co.	3	12	2	0	0	0	1	1	19	20
Port Authority Trans Hudson	15	69	10	1	0	2	4	6	107	113
Peninsular Commuter (San Mateo County)	1	5	3	1	0	0	0	1	11	14
Port Terminal Railroad Assoc.	1	4	1	0	0	0	0	0	6	6
Southern California Regional Rail	0	3	0	0	0	0	0	0	3	3
Southeastern Pennsylvania Trans.	39	104	17	1	0	1	8	17	187	195
Southern Pacific, Chicago-St. Louis	1	2	1	0	0	0	1	0	5	5
Terminal Railroad Assoc. Of St. Louis	2	9	2	0	0	0	1	0	14	14
Union Railroad Company (Pittsburgh)	6	10	2	0	1	0	2	5	26	28
Wisconsin Central Ltd. (also Railway)	10	59	16	2	0	0	9	4	100	108
Wheeling & Lake Erie Railway Co.	0	5	3	0	0	0	0	0	8	11
Total Group II Railroads **.....	402	1,238	292	27	16	18	92	155	2,240	2,368
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)										
Class I Railroads	850	2,721	665	16	67	83	110	495	5,007	5,570
Group II Railroads **	402	1,238	292	27	16	18	92	155	2,240	2,368
All Other Railroads	203	468	171	2	28	12	61	81	1,026	1,104
Total All Railroads	1,455	4,427	1,128	45	111	113	263	731	8,273	9,042

** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 41: CASUALTIES IN TRAIN ACCIDENTS BY RAILROAD, 1996

Railroad	< COLLISIONS > Killed	Injured	< DERAILMENTS> Killed	Injured	<...OTHER...> Killed	Injured	< T O T A L S> Killed	Injured	Rate*	Train Miles
CLASS I RAILROADS										
Amtrak (Nat'l Railroad Passenger Corp)	0	20	0	17	7	17	7	54	1.80	33,840,497
Burlington Northern Santa Fe Corp.	0	7	2	13	2	15	4	35	0.27	145,803,928
Consolidated Rail Corp.	0	4	0	0	1	2	1	6	0.15	45,727,919
CSX Transportation	2	4	0	4	4	14	6	22	0.34	83,486,310
Denver & Rio Grande Western Railroad	0	0	2	1	0	0	2	1	0.39	7,680,491
Grand Trunk Western Railroad Inc.	0	2	0	0	0	0	0	2	0.37	5,472,749
Illinois Central Railroad Co.	0	0	0	3	3	0	3	3	0.75	7,949,030
Kansas City Southern Railway Co.	0	4	0	0	0	8	0	12	1.48	8,123,080
Norfolk Southern Corp.	0	2	0	1	1	4	1	7	0.13	63,655,055
Soo Line Railroad Co.	0	7	0	1	0	1	0	9	0.91	9,874,119
Southern Pacific Transportation Co.	0	4	1	2	2	9	3	15	0.41	43,893,368
St. Louis Southwestern Railway Co.	0	0	0	0	0	3	0	3	0.28	10,853,383
Union Pacific Railroad Co.	0	5	0	10	5	9	5	24	0.25	115,272,529
Total Class I Railroads.....	2	59	5	52	25	82	32	193	0.39	581,632,458
GROUP II RAILROADS **										
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0.00	733,799
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0.00	861,756
Bangor & Aroostook Railroad	0	0	0	3	0	0	0	3	3.51	853,747
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0.00	244,749
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0.00	465,681
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0.00	118,050
Chicago, Central & Pacific Railroad	0	2	0	0	0	1	0	3	3.00	1,001,251
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0.00	1,742,818
Dakota, Minnesota & Eastern Railroad	0	0	0	1	0	0	0	1	1.38	722,175
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	1	0	1	1.32	757,731
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0	0	0.00	653,991
Elgin, Joliet & Eastern Railway Co.	0	2	0	0	0	0	0	2	3.25	614,450
Florida East Coast Railway Co.	0	0	0	0	2	1	2	1	0.91	3,293,082
Guilford Railroad System	0	0	0	0	0	0	0	0	0.00	1,066,519
Gateway Western Railway	0	0	0	0	0	0	0	0	0.00	1,003,189
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0.00	337,836
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0.00	1,533,582
Long Island Rail Road	0	0	0	0	1	12	1	12	1.59	8,171,689
Massachusettes Bay Transit Authority	0	0	0	0	0	22	0	22	13.03	1,688,552
Metro North Commuter Railroad Co.	0	0	0	0	1	1	1	1	0.27	7,432,638
Montana Rail Link	0	1	1	6	0	1	1	8	2.40	3,755,495
Northern Indiana Commuter Trans.	0	0	0	0	1	1	1	1	2.80	714,143
Northeast Illinois Regional Comuter	0	0	0	16	0	3	0	19	5.62	3,381,424
New Jersey Transit Rail Operations	3	65	0	0	0	0	3	65	8.75	7,767,180
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0.00	599,323
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0.00	2,019,297
Peninsular Commuter (San Mateo County)	0	0	0	0	0	0	0	0	0.00	442,246
Port Terminal Railroad Assoc.	0	0	0	0	0	1	0	1	0.89	1,129,676
Southern California Regional Rail	0	0	0	0	1	1	1	1	1.60	1,249,366
Southeastern Pennsylvania Trans.	0	0	0	13	0	3	0	16	3.16	5,066,606
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0.00	2,001,279
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0	0	0.00	519,299
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0.00	152,789
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	0	0.00	5,042,370
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	1	0	1	1.79	558,883
Total Group II Railroads **.....	3	70	1	39	6	49	10	158	2.48	67,696,661
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)										
Class I Railroads	2	59	5	52	25	82	32	193	0.39	581,632,458
Group II Railroads **	3	70	1	39	6	49	10	158	2.48	67,696,661
All Other Railroads	11	17	0	7	4	13	15	37	2.41	21,594,841
Total All Railroads	16	146	6	98	35	144	57	388	0.66	670,923,960

* NOTE: Injured columns include non-fatal occupational illnesses. Rate is frequency per 1,000,000 train miles.
** GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

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TABLE 42. PART I : CASUALTIES TO EMPLOYEES ON-DUTY BY JOB CATEGORY AND RAILROAD, 1996

Railroad	I. Exec Office Staff II. Prof,Clerical,Gen Killed	Injured	Illness	III. Maintenance of Way & Structures Killed	Injured	Illness	IV. Maintenance of Equipment & Stores Killed	Injured	Illness
CLASS I RAILROADS									
Amtrak(Nat'l Railroad Passenger Corp)	0	65	0	1	168	3	0	275	0
Burlington Northern Santa Fe Corp.	0	26	1	1	322	4	0	122	0
Consolidated Rail Corp.	0	35	0	0	148	0	0	150	0
CSX Transportation	0	25	1	3	127	1	0	82	0
Denver & Rio Grande Western Railroad	0	3	0	0	9	1	0	21	13
Grand Trunk Western Railroad Inc.	0	0	1	0	18	1	0	35	3
Illinois Central Railroad Co.	0	2	0	0	27	0	1	28	0
Kansas City Southern Railway Co.	0	3	1	0	26	0	0	10	0
Norfolk Southern Corp.	0	14	0	1	68	1	0	57	0
Soo Line Railroad Co.	0	7	0	0	113	2	0	72	1
Southern Pacific Transportation Co.	0	43	1	0	84	0	0	72	1
St. Louis Southwestern Railway Co.	0	1	0	0	17	0	0	12	0
Union Pacific Railroad Co.	1	44	2	2	172	0	0	232	5
Total Class I Railroads.....	1	268	7	8	1,299	13	1	1,168	23
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	0	1	0	0	1	0
Alaska Railroad Corp.	0	3	0	0	9	1	0	19	4
Bangor & Aroostook Railroad	0	2	0	0	11	0	0	15	0
Bessemer & Lake Erie Railroad Co.	0	2	0	0	4	0	0	2	0
Belt Railway Company Of Chicago	0	0	0	0	8	0	0	3	0
Birmingham Southern Railroad Co.	0	0	1	0	5	0	0	3	0
Chicago, Central & Pacific Railroad	0	0	0	0	16	0	0	10	0
Delaware & Hudson Railway Co.	0	1	0	0	17	0	0	5	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	5	0	0	5	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	39	3	0	10	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	4	0	0	1	0
Elgin, Joliet & Eastern Railway Co.	0	2	0	0	16	0	0	7	0
Florida East Coast Railway Co.	0	2	0	0	8	0	0	12	0
Guilford Railroad System	0	2	0	0	8	0	0	5	0
Gateway Western Railway	0	0	0	0	2	0	0	2	0
Houston Belt & Terminal Railway Co.	0	0	0	0	1	0	0	4	0
Indiana Harbor Belt Railroad Co.	0	1	0	0	6	0	0	1	0
Long Island Rail Road	0	66	2	0	113	4	0	171	1
Massachusettes Bay Transit Authority	0	2	0	0	20	0	0	48	0
Metro North Commuter Railroad Co.	0	69	7	0	154	4	0	156	3
Montana Rail Link	0	1	0	0	17	0	0	12	0
Northern Indiana Commuter Trans.	0	0	0	0	15	0	0	5	0
Northeast Illinois Regional Comuter	0	20	0	0	36	2	0	42	3
New Jersey Transit Rail Operations	0	4	0	0	32	0	0	16	0
Paducah & Louisville Railway Co.	0	0	0	0	9	0	0	2	0
Port Authority Trans Hudson	0	2	0	0	31	0	0	51	0
Peninsular Commuter (San Mateo County)	0	0	0	0	8	0	0	3	0
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	3	0	0	0	0
Southeastern Pennsylvania Trans.	0	3	0	0	60	0	0	35	2
Southern Pacific, Chicago-St. Louis	0	0	0	0	1	0	0	0	0
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	2	0	0	4	1
Union Railroad Company (Pittsburgh)	0	0	0	0	8	0	0	7	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	33	1	0	17	1
Wheeling & Lake Erie Railway Co.	0	0	0	0	6	0	0	1	0
Total Group II Railroads **.....	0	182	10	0	708	15	0	675	15
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	1	268	7	8	1,299	13	1	1,168	23
Group II Railroads **	0	182	10	0	708	15	0	675	15
All Other Railroads	0	33	2	1	360	2	0	262	3
Total All Railroads	1	483	19	9	2,367	30	1	2,105	41

** GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

TABLE 42. PART II: CASUALTIES TO EMPLOYEES ON-DUTY BY JOB CATEGORY AND RAILROAD, 1996

Railroad	V. Transportation Non-train & Engine Killed	Injured	Illness	VI. Transportation Train & Engine Killed	Injured	Illness
CLASS I RAILROADS						
Amtrak (Nat'l Railroad Passenger Corp)	0	302	5	0	168	0
Burlington Northern Santa Fe Corp.	0	14	0	3	381	5
Consolidated Rail Corp.	0	18	0	1	319	0
CSX Transportation	0	6	0	5	329	3
Denver & Rio Grande Western Railroad	0	0	0	2	41	1
Grand Trunk Western Railroad Inc.	0	0	0	0	92	2
Illinois Central Railroad Co.	0	0	0	1	31	0
Kansas City Southern Railway Co.	0	1	0	0	48	0
Norfolk Southern Corp.	0	2	0	1	147	3
Soo Line Railroad Co.	0	4	0	0	169	1
Southern Pacific Transportation Co.	0	12	0	1	219	3
St. Louis Southwestern Railway Co.	0	2	0	0	53	1
Union Pacific Railroad Co.	0	6	0	1	471	0
Total Class I Railroads.....	0	367	5	15	2,468	19
GROUP II RAILROADS **						
Alton & Southern Railroad	0	0	0	0	11	0
Alaska Railroad Corp.	0	1	2	0	6	0
Bangor & Aroostook Railroad	0	0	0	0	8	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	4	0
Belt Railway Company Of Chicago	0	0	0	1	2	0
Birmingham Southern Railroad Co.	0	0	0	0	3	0
Chicago, Central & Pacific Railroad	0	1	0	0	17	0
Delaware & Hudson Railway Co.	0	0	0	0	20	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	11	1
Duluth, Missabe & Iron Range Railway	0	0	0	0	13	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	3	0
Elgin, Joliet & Eastern Railway Co.	0	4	0	0	16	0
Florida East Coast Railway Co.	0	0	0	0	23	0
Guilford Railroad System	0	0	0	0	3	0
Gateway Western Railway	0	0	0	0	12	1
Houston Belt & Terminal Railway Co.	0	0	0	0	1	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	19	0
Long Island Rail Road	0	9	0	0	141	1
Massachusettes Bay Transit Authority	0	1	0	0	25	0
Metro North Commuter Railroad Co.	0	2	0	0	111	27
Montana Rail Link	0	0	0	0	35	2
Northern Indiana Commuter Trans.	0	0	0	0	5	0
Northeast Illinois Regional Comuter	0	2	0	0	29	0
New Jersey Transit Rail Operations	0	2	0	2	32	0
Paducah & Louisville Railway Co.	0	0	0	0	9	0
Port Authority Trans Hudson	0	2	0	0	27	0
Peninsular Commuter (San Mateo County)	0	1	0	0	2	0
Port Terminal Railroad Assoc.	0	0	0	0	6	0
Southern California Regional Rail	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	0	13	0	0	84	1
Southern Pacific, Chicago-St. Louis	0	0	0	0	4	0
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	8	0
Union Railroad Company (Pittsburgh)	0	1	0	0	12	0
Wisconsin Central Ltd. (also Railway)	0	1	0	0	57	0
Wheeling & Lake Erie Railway Co.	0	0	0	0	4	0
Total Group II Railroads **.....	0	40	2	3	763	33
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)						
Class I Railroads	0	367	5	15	2,468	19
Group II Railroads **	0	40	2	3	763	33
All Other Railroads	0	34	2	4	415	6
Total All Railroads	0	441	9	22	3,646	58

** GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

TABLE 43: CASUALTY RATES FOR EMPLOYEES ON-DUTY BY RAILROAD, 1996

Railroad	Fatalities #	Fatalities Rate*	Injuries #	Injuries Rate*	Illnesses #	Illnesses Rate*	TOTAL #	TOTAL Rate*	Employee Manhours
CLASS I RAILROADS									
Amtrak (Nat'l Railroad Passenger Corp)	1	0.00	978	4.60	8	0.04	987	4.64	42,558,749
Burlington Northern Santa Fe Corp.	4	0.01	865	1.97	10	0.02	879	2.01	87,606,519
Consolidated Rail Corp.	1	0.00	670	3.12	0	0.00	671	3.13	42,901,360
CSX Transportation	8	0.03	569	2.00	5	0.02	582	2.05	56,858,669
Denver & Rio Grande Western Railroad	2	0.08	74	2.96	15	0.60	91	3.64	4,999,002
Grand Trunk Western Railroad Inc.	0	0.00	145	6.46	7	0.31	152	6.77	4,487,912
Illinois Central Railroad Co.	2	0.06	88	2.59	0	0.00	90	2.64	6,805,913
Kansas City Southern Railway Co.	0	0.00	88	3.30	1	0.04	89	3.33	5,340,805
Norfolk Southern Corp.	2	0.01	288	1.23	4	0.02	294	1.26	46,838,219
Soo Line Railroad Co.	0	0.00	365	8.96	4	0.10	369	9.06	8,147,488
Southern Pacific Transportation Co.	1	0.01	430	3.08	5	0.04	436	3.12	27,957,468
St. Louis Southwestern Railway Co.	0	0.00	85	3.57	1	0.04	86	3.61	4,767,798
Union Pacific Railroad Co.	4	0.01	925	2.68	7	0.02	936	2.71	69,011,062
Total Class I Railroads.....	25	0.01	5,570	2.73	67	0.03	5,662	2.77	408,280,964
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0.00	13	3.92	0	0.00	13	3.92	663,507
Alaska Railroad Corp.	0	0.00	38	7.31	7	1.35	45	8.66	1,039,508
Bangor & Aroostook Railroad	0	0.00	36	11.16	0	0.00	36	11.16	645,141
Bessemer & Lake Erie Railroad Co.	0	0.00	12	3.70	0	0.00	12	3.70	649,146
Belt Railway Company Of Chicago	1	0.15	13	1.93	0	0.00	14	2.08	1,349,187
Birmingham Southern Railroad Co.	0	0.00	11	5.18	1	0.47	12	5.65	424,532
Chicago, Central & Pacific Railroad	0	0.00	44	9.92	0	0.00	44	9.92	886,935
Delaware & Hudson Railway Co.	0	0.00	43	7.14	0	0.00	43	7.14	1,205,035
Dakota, Minnesota & Eastern Railroad	0	0.00	21	5.89	1	0.28	22	6.17	713,660
Duluth, Missabe & Iron Range Railway	0	0.00	62	8.89	3	0.43	65	9.32	1,395,408
Duluth, Winnipeg & Pacific Railway	0	0.00	8	3.73	0	0.00	8	3.73	429,134
Elgin, Joliet & Eastern Railway Co.	0	0.00	45	6.04	0	0.00	45	6.04	1,490,828
Florida East Coast Railway Co.	0	0.00	45	4.94	0	0.00	45	4.94	1,820,388
Guilford Railroad System	0	0.00	18	1.86	0	0.00	18	1.86	1,932,688
Gateway Western Railway	0	0.00	16	5.75	1	0.36	17	6.11	556,286
Houston Belt & Terminal Railway Co.	0	0.00	6	2.61	0	0.00	6	2.61	460,003
Indiana Harbor Belt Railroad Co.	0	0.00	27	2.98	0	0.00	27	2.98	1,813,609
Long Island Rail Road	0	0.00	500	8.76	8	0.14	508	8.90	11,413,639
Massachusettes Bay Transit Authority	0	0.00	96	6.36	0	0.00	96	6.36	3,018,456
Metro North Commuter Railroad Co.	0	0.00	492	9.40	41	0.78	533	10.19	10,466,152
Montana Rail Link	0	0.00	65	5.79	2	0.18	67	5.97	2,244,137
Northern Indiana Commuter Trans.	0	0.00	25	9.39	0	0.00	25	9.39	532,205
Northeast Illinois Regional Comuter	0	0.00	129	5.38	5	0.21	134	5.59	4,792,160
New Jersey Transit Rail Operations	2	0.05	86	2.24	0	0.00	88	2.29	7,676,462
Paducah & Louisville Railway Co.	0	0.00	20	7.11	0	0.00	20	7.11	562,290
Port Authority Trans Hudson	0	0.00	113	11.04	0	0.00	113	11.04	2,047,819
Peninsular Commuter (San Mateo County)	0	0.00	14	3.96	0	0.00	14	3.96	706,970
Port Terminal Railroad Assoc.	0	0.00	6	1.88	0	0.00	6	1.88	639,575
Southern California Regional Rail	0	0.00	3	1.35	0	0.00	3	1.35	443,020
Southeastern Pennsylvania Trans.	0	0.00	195	11.13	3	0.17	198	11.30	3,503,608
Southern Pacific, Chicago-St. Louis	0	0.00	5	2.05	0	0.00	5	2.05	488,886
Terminal Railroad Assoc. Of St. Louis	0	0.00	14	5.01	1	0.36	15	5.37	558,498
Union Railroad Company (Pittsburgh)	0	0.00	28	7.67	0	0.00	28	7.67	730,325
Wisconsin Central Ltd. (also Railway)	0	0.00	108	5.22	2	0.10	110	5.31	4,139,594
Wheeling & Lake Erie Railway Co.	0	0.00	11	2.94	0	0.00	11	2.94	749,015
Total Group II Railroads **.....	3	0.01	2,368	6.56	75	0.21	2,446	6.78	72,187,806
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	25	0.01	5,570	2.73	67	0.03	5,662	2.77	408,280,964
Group II Railroads **	3	0.01	2,368	6.56	75	0.21	2,446	6.78	72,187,806
All Other Railroads	5	0.04	1,104	9.15	15	0.12	1,124	9.32	24,130,007
Total All Railroads	33	0.01	9,042	3.58	157	0.06	9,232	3.66	504,598,777

* NOTE: Rate is frequency per 200,000 manhours.
** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 44: SUMMARY OF NON-FATAL INJURIES TO EMPLOYEES ON-DUTY BY RAILROAD, 1996

Railroad	TOTAL CASES*	<CASES with DAYS-AWAY-FROM-WORK or DAYS-OF-RESTRICTION> < Total Cases	Lost-Day Cases	Restricted Cases	Away-fr-work Days	Restricted> Days	Other Cases
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Corp)	986	687	681	6	20,172	64	299
Burlington Northern Santa Fe Corp.	875	614	465	149	26,204	11,763	261
Consolidated Rail Corp.	670	568	509	59	24,469	6,662	102
CSX Transportation	574	481	481	0	38,574	5	93
Denver & Rio Grande Western Railroad	89	58	57	1	7,472	39	31
Grand Trunk Western Railroad Inc.	152	120	116	4	3,483	67	32
Illinois Central Railroad Co.	88	50	44	6	1,971	458	38
Kansas City Southern Railway Co.	89	69	62	7	2,663	1,144	20
Norfolk Southern Corp.	292	214	192	22	24,186	968	78
Soo Line Railroad Co.	369	299	272	27	14,308	771	70
Southern Pacific Transportation Co.	435	335	322	13	35,709	257	100
St. Louis Southwestern Railway Co.	86	75	73	2	10,413	56	11
Union Pacific Railroad Co.	932	728	538	190	30,100	6,628	204
Total Class I Railroads.....	5,637	4,298	3,812	486	239,724	28,882	1,339
GROUP II RAILROADS **							
Alton & Southern Railroad	13	11	11	0	373	32	2
Alaska Railroad Corp.	45	29	22	7	491	303	16
Bangor & Aroostook Railroad	36	25	20	5	644	39	11
Bessemer & Lake Erie Railroad Co.	12	7	2	5	175	29	5
Belt Railway Company Of Chicago	13	10	9	1	394	65	3
Birmingham Southern Railroad Co.	12	8	5	3	560	92	4
Chicago, Central & Pacific Railroad	44	33	23	10	480	106	11
Delaware & Hudson Railway Co.	43	36	29	7	1,157	105	7
Dakota, Minnesota & Eastern Railroad	22	16	14	2	505	330	6
Duluth, Missabe & Iron Range Railway	65	50	18	32	1,268	775	15
Duluth, Winnipeg & Pacific Railway	8	5	5	0	29	43	3
Elgin, Joliet & Eastern Railway Co.	45	30	20	10	1,553	347	15
Florida East Coast Railway Co.	45	34	33	1	1,193	143	11
Guilford Railroad System	18	9	7	2	278	42	9
Gateway Western Railway	17	12	9	3	332	221	5
Houston Belt & Terminal Railway Co.	6	5	4	1	82	2	1
Indiana Harbor Belt Railroad Co.	27	23	22	1	1,734	4	4
Long Island Rail Road	508	454	454	0	12,180	1,213	54
Massachusettes Bay Transit Authority	96	73	72	1	918	4	23
Metro North Commuter Railroad Co.	533	456	253	203	10,013	5,878	77
Montana Rail Link	67	53	47	6	1,962	1,441	14
Northern Indiana Commuter Trans.	25	19	9	10	55	187	6
Northeast Illinois Regional Comuter	134	113	113	0	4,730	0	21
New Jersey Transit Rail Operations	86	35	34	1	1,045	25	51
Paducah & Louisville Railway Co.	20	15	12	3	263	122	5
Port Authority Trans Hudson	113	111	106	5	2,764	215	2
Peninsular Commuter (San Mateo County)	14	12	12	0	224	3	2
Port Terminal Railroad Assoc.	6	4	4	0	303	0	2
Southern California Regional Rail	3	2	2	0	20	5	1
Southeastern Pennsylvania Trans.	198	167	157	10	4,053	106	31
Southern Pacific, Chicago-St. Louis	5	4	4	0	98	0	1
Terminal Railroad Assoc. Of St. Louis	15	10	9	1	933	199	5
Union Railroad Company (Pittsburgh)	28	15	13	2	445	46	13
Wisconsin Central Ltd. (also Railway)	110	80	60	20	998	639	30
Wheeling & Lake Erie Railway Co.	11	11	8	3	434	101	0
TOTAL GROUP II RAILROADS.....	2,443	1,977	1,622	355	52,686	12,862	466
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	5,637	4,298	3,812	486	239,724	28,882	1,339
Group II Railroads **	2,443	1,977	1,622	355	52,686	12,862	466
All Other Railroads	1,119	711	547	164	13,508	3,890	408
Total All Railroads	9,199	6,986	5,981	1,005	305,918	45,634	2,213

* Note: The above cases exclude occupational illness cases.
In cases where lost-days and restricted-days are reported, count is added only to lost-day column.

** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 45: SUMMARY OF EMPLOYEE ON DUTY CASUALTIES BY REPORTABILITY CRITERIA AND RAILROAD, 1996

Railroad	TOTAL CASES	Fatal-ities	< INJURY <Total <Injuries	C A S E S Days-Away From-Work	REPORTED FOR FOLLOWING REASONS > Restricted Activity	Medi-cation	Medical > Treatment>	Occupational Illnesses
CLASS I RAILROADS								
Amtrak (Nat'l Railroad Passenger Corp)	987	1	978	679	6	115	178	8
Burlington Northern Santa Fe Corp.	879	4	865	462	146	14	243	10
Consolidated Rail Corp.	671	1	670	509	59	0	102	0
CSX Transportation	582	8	569	479	0	31	59	5
Denver & Rio Grande Western Railroad	91	2	74	55	1	0	18	15
Grand Trunk Western Railroad Inc.	152	0	145	112	4	21	8	7
Illinois Central Railroad Co.	90	2	88	44	6	18	20	0
Kansas City Southern Railway Co.	89	0	88	61	7	0	20	1
Norfolk Southern Corp.	294	2	288	189	22	20	57	4
Soo Line Railroad Co.	369	0	365	271	27	24	43	4
Southern Pacific Transportation Co.	436	1	430	321	13	0	96	5
St. Louis Southwestern Railway Co.	86	0	85	72	2	0	11	1
Union Pacific Railroad Co.	936	4	925	535	190	68	132	7
Total Class I Railroads.....	5,662	25	5,570	3,789	483	311	987	67
GROUP II RAILROADS **								
Alton & Southern Railroad	13	0	13	11	0	0	2	0
Alaska Railroad Corp.	45	0	38	20	5	12	1	7
Bangor & Aroostook Railroad	36	0	36	20	5	0	11	0
Bessemer & Lake Erie Railroad Co.	12	0	12	2	5	2	3	0
Belt Railway Company Of Chicago	14	1	13	9	1	0	3	0
Birmingham Southern Railroad Co.	12	0	11	4	3	1	3	1
Chicago, Central & Pacific Railroad	44	0	44	23	10	2	9	0
Delaware & Hudson Railway Co.	43	0	43	29	7	4	3	0
Dakota, Minnesota & Eastern Railroad	22	0	21	14	1	0	6	1
Duluth, Missabe & Iron Range Railway	65	0	62	18	31	3	10	3
Duluth, Winnipeg & Pacific Railway	8	0	8	5	0	0	3	0
Elgin, Joliet & Eastern Railway Co.	45	0	45	20	10	14	1	0
Florida East Coast Railway Co.	45	0	45	33	1	5	6	0
Guilford Railroad System	18	0	18	7	2	9	0	0
Gateway Western Railway	17	0	16	8	3	5	0	1
Houston Belt & Terminal Railway Co.	6	0	6	4	1	0	1	0
Indiana Harbor Belt Railroad Co.	27	0	27	22	1	1	3	0
Long Island Rail Road	508	0	500	449	0	0	51	8
Massachusettes Bay Transit Authority	96	0	96	72	1	3	20	0
Metro North Commuter Railroad Co.	533	0	492	240	181	29	42	41
Montana Rail Link	67	0	65	45	6	7	7	2
Northern Indiana Commuter Trans.	25	0	25	9	10	2	4	0
Northeast Illinois Regional Comuter	134	0	129	110	0	10	9	5
New Jersey Transit Rail Operations	88	2	86	34	1	1	50	0
Paducah & Louisville Railway Co.	20	0	20	12	3	0	5	0
Port Authority Trans Hudson	113	0	113	106	5	0	2	0
Peninsular Commuter (San Mateo County)	14	0	14	12	0	0	2	0
Port Terminal Railroad Assoc.	6	0	6	4	0	0	2	0
Southern California Regional Rail	3	0	3	2	0	0	1	0
Southeastern Pennsylvania Trans.	198	0	195	155	10	9	21	3
Southern Pacific, Chicago-St. Louis	5	0	5	4	0	0	1	0
Terminal Railroad Assoc. Of St. Louis	15	0	14	9	1	1	3	1
Union Railroad Company (Pittsburgh)	28	0	28	13	2	8	5	0
Wisconsin Central Ltd. (also Railway)	110	0	108	59	19	3	27	2
Wheeling & Lake Erie Railway Co.	11	0	11	8	3	0	0	0
TOTAL GROUP II RAILROADS.....	2,446	3	2,368	1,592	328	131	317	75
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)								
Class I Railroads	5,662	25	5,570	3,789	483	311	987	67
Group II Railroads **	2,446	3	2,368	1,592	328	131	317	75
All Other Railroads	1,124	5	1,104	543	163	53	345	15
Total All Railroads	9,232	33	9,042	5,924	974	495	1,649	157

Note: In cases where lost-days and restricted-days are reported, count is added only to days-away-from-work column.
** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 46. FATALITIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Fatal A/I	Total Killed	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	6	9	8	0	8	0	0	0	0	1
Group II Railroads **	22	2	4	2	0	2	0	1	0	0	1
All Other Railroads	15	2	12	4	0	4	0	8	0	0	0
Total All Railroads	102	10	25	14	0	14	0	9	0	0	2
TRAIN INCIDENTS											
Class I Railroads	1,607	410	418	4	5	9	0	2	24	0	383
Group II Railroads **	384	58	59	1	0	1	0	0	1	0	57
All Other Railroads	165	9	9	0	0	0	0	1	0	0	8
Total All Railroads	2,156	477	486	5	5	10	0	3	25	0	448
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	23	23	2	5	7	0	0	7	0	9
Group II Railroads **	2,710	11	11	0	0	0	0	0	1	0	10
All Other Railroads	1,032	6	6	0	1	1	0	0	3	0	2
Total All Railroads	8,836	40	40	2	6	8	0	0	11	0	21
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	372	446	1	0	1	0	0	316	0	129
Group II Railroads **	134	28	29	0	0	0	0	0	11	0	18
All Other Railroads	130	13	13	0	0	0	0	0	11	0	2
Total All Railroads	1,578	413	488	1	0	1	0	0	338	0	149
T O T A L S											
Class I Railroads	8,080	811	896	15	10	25	0	2	347	0	522
Group II Railroads **	3,250	99	103	3	0	3	0	1	13	0	86
All Other Railroads	1,342	30	40	4	1	5	0	9	14	0	12
Total All Railroads	12,672	940	1,039	22	11	33	0	12	374	0	620

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in at least one fatality.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 47. INJURIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Injury A/I	Total Injured	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	58	130	81	32	113	0	14	3	0	0
Group II Railroads **	22	20	123	25	5	30	1	90	2	0	0
All Other Railroads	15	13	25	11	1	12	0	11	2	0	0
Total All Railroads	102	91	278	117	38	155	1	115	7	0	0
TRAIN INCIDENTS											
Class I Railroads	1,607	1,189	1,238	575	194	769	14	58	30	0	367
Group II Railroads **	384	316	322	175	39	214	1	49	13	0	45
All Other Railroads	165	152	168	103	26	129	0	18	8	0	13
Total All Railroads	2,156	1,657	1,728	853	259	1,112	15	125	51	0	425
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	5,016	5,102	1,757	2,870	4,627	178	70	197	0	30
Group II Railroads **	2,710	2,644	2,665	553	1,559	2,112	29	165	341	0	18
All Other Railroads	1,032	1,015	1,017	297	662	959	2	14	41	0	1
Total All Railroads	8,836	8,675	8,784	2,607	5,091	7,698	209	249	579	0	49
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	941	1,300	55	6	61	0	3	1,010	0	226
Group II Railroads **	134	106	159	10	2	12	2	17	91	0	37
All Other Railroads	130	117	149	4	0	4	0	4	128	0	13
Total All Railroads	1,578	1,164	1,608	69	8	77	2	24	1,229	0	276
T O T A L S											
Class I Railroads	8,080	7,204	7,770	2,468	3,102	5,570	192	145	1,240	0	623
Group II Railroads **	3,250	3,086	3,269	763	1,605	2,368	33	321	447	0	100
All Other Railroads	1,342	1,297	1,359	415	689	1,104	2	47	179	0	27
Total All Railroads	12,672	11,587	12,398	3,646	5,396	9,042	227	513	1,866	0	750

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in reportable injury/injuries only.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 48. ILLNESSES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1996

Type of Accident/Incident	TOTAL* A/I	Illness A/I	Total Illness	<EMPLOYEES-ON-DUTY> Trnmen	Other	Total	Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	65	1	1	1	0	1	0	0	0	0	0
Group II Railroads **	22	0	2	2	0	2	0	0	0	0	0
All Other Railroads	15	0	0	0	0	0	0	0	0	0	0
Total All Railroads	102	1	3	3	0	3	0	0	0	0	0
TRAIN INCIDENTS											
Class I Railroads	1,607	8	11	9	2	11	0	0	0	0	0
Group II Railroads **	384	10	18	17	1	18	0	0	0	0	0
All Other Railroads	165	4	4	3	1	4	0	0	0	0	0
Total All Railroads	2,156	22	33	29	4	33	0	0	0	0	0
NON-TRAIN INCIDENTS											
Class I Railroads	5,094	55	55	7	46	53	0	0	2	0	0
Group II Railroads **	2,710	55	56	14	41	55	1	0	0	0	0
All Other Railroads	1,032	11	11	3	8	11	0	0	0	0	0
Total All Railroads	8,836	121	122	24	95	119	1	0	2	0	0
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,314	1	2	2	0	2	0	0	0	0	0
Group II Railroads **	134	0	0	0	0	0	0	0	0	0	0
All Other Railroads	130	0	0	0	0	0	0	0	0	0	0
Total All Railroads	1,578	1	2	2	0	2	0	0	0	0	0
T O T A L S											
Class I Railroads	8,080	65	69	19	48	67	0	0	2	0	0
Group II Railroads **	3,250	65	76	33	42	75	1	0	0	0	0
All Other Railroads	1,342	15	15	6	9	15	0	0	0	0	0
Total All Railroads	12,672	145	160	58	99	157	1	0	2	0	0

* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.
Column 2 is the count of accidents/incidents resulting in at least one case of occupational illness.

** Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty
Psgr = Passenger on train
Nont = Non-trespasser
Tres = Trespasser
Contr = Contractor
Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 49. NONFATAL INJURIES BY OCCURRENCE, 1996

Type of Accident/Incident	Amputations						Fractures					
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
TRAIN ACCIDENTS												
Collisions	---	---	1	1	---	2	6	---	2	---	6	14
Derailments	---	---	---	---	---	---	---	---	2	---	6	8
Rail-highway x-ing	---	---	1	---	---	1	3	---	4	---	6	13
Miscellaneous	---	---	1	---	---	1	---	---	1	1	1	3
Total.....	---	---	3	1	---	4	9	---	9	1	19	38
TRAIN INCIDENTS												
Coupling and uncoupling locomotives or	---	2	---	---	---	2	4	1	1	---	3	9
Coupling/uncouplng air/steam hose, saf	---	1	1	---	---	2	---	---	---	---	---	---
Operating or on locomotives.....	---	1	1	---	---	2	3	3	2	1	6	15
Operating rail motorcars.....	---	---	---	---	---	---	1	---	---	---	1	2
Operating hand brakes.....	1	---	---	---	---	1	---	---	2	---	2	4
Operating switches or derails.....	---	---	1	---	---	1	---	---	---	---	---	---
Contacting fixed objects while on loco	---	---	---	1	---	1	---	1	3	---	2	6
Getting on or off cars or locomotives.	1	---	11	1	---	13	7	1	14	---	13	35
Collisions, derailments, etc. (below $	---	---	2	1	---	3	---	---	1	---	5	6
Highway-rail crossing accidents/incide	1	---	3	2	---	6	23	3	37	---	93	156
Struck by/ran into loco/car(not at hwy	19	6	61	11	---	97	17	1	43	3	29	93
Servicing or maintenance of equipment.	---	---	---	1	---	1	---	1	1	---	---	2
Maintenance of way and structures.....	---	1	---	---	---	1	---	---	1	2	1	4
Freight, baggage, express or mail.....	1	---	---	---	---	1	---	1	1	---	---	2
Windows, doors, etc., on on-track equi	---	---	---	---	---	---	1	5	---	---	1	7
Passenger car doors.....	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	---	1	6	---	---	7	7	2	5	1	4	19
Flying or falling objects, burns, etc.	---	---	---	---	---	---	---	---	---	---	---	---
Operation of on-track work equipment..	---	---	---	---	---	---	---	---	---	1	2	3
Assault.....	---	---	---	---	---	---	---	---	---	---	1	1
Other occurrences.....	1	2	4	---	---	7	3	1	4	---	1	9
Total.....	24	14	90	17	---	145	66	20	115	8	164	373
NONTRAIN INCIDENTS												
Coupling and uncoupling locomotives or	---	---	1	---	---	1	6	6	6	1	2	21
Coupling/uncouplng air/steam hose, saf	---	1	---	---	---	1	3	1	2	---	2	8
Operating or on locomotives.....	---	3	---	---	---	3	3	8	3	2	4	20
Operating rail motorcars.....	---	---	---	---	---	---	---	1	---	---	---	1
Operating hand brakes.....	---	---	---	---	---	---	3	1	2	---	---	6
Operating switches or derails.....	---	---	---	---	---	---	3	6	3	4	1	17
Contacting fixed objects while on loco	---	---	---	---	---	---	---	---	---	---	1	1
Getting on or off cars or locomotives.	1	---	---	1	---	2	16	3	19	1	16	55
Collisions, derailments, etc. (below $	---	---	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	---	---	---	---	---	---	1	---	1	---	1	3
Struck by/ran into loco/car(not at hwy	---	---	---	1	---	1	1	---	---	---	1	2
Servicing or maintenance of equipment.	---	7	---	---	---	7	23	58	23	8	23	135
Maintenance of way and structures.....	---	16	---	---	---	16	27	81	45	13	28	194
Freight, baggage, express or mail.....	---	---	---	---	---	---	---	---	1	1	---	2
Windows, doors, etc., on on-track equi	---	5	---	---	---	5	3	16	---	5	1	25
Passenger car doors.....	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	---	---	---	---	---	---	42	11	97	2	37	189
Flying or falling objects, burns, etc.	---	---	---	---	---	---	1	1	1	3	---	6
Operation of on-track work equipment..	---	---	---	---	---	---	---	3	1	---	1	5
Assault.....	---	---	---	---	---	---	2	3	1	---	3	9
Other occurrences.....	---	1	---	---	---	1	9	11	24	1	16	61
Total.....	1	33	1	2	---	37	143	210	229	41	137	760
Grand Total.....	25	47	94	20	---	186	218	230	353	50	320	1,171

TABLE 49. NONFATAL INJURIES BY OCCURRENCE, CONT., 1996

Type of Accident/Incident	Other Injuries: Bruise	Sprain/ Strain	Cut	Elec. Burn	Other Burns	Disloc- Cation	Object In Eye	Other	Total	Total Injured
TRAIN ACCIDENTS										
Collisions	26	38	8	---	---	---	---	58	130	146
Derailments	22	43	4	---	---	1	---	17	87	95
Rail-highway x-ing	32	34	6	---	2	---	---	19	93	107
Miscellaneous	7	11	5	---	1	---	---	9	33	37
Total.....	87	126	23	---	3	1	---	103	343	385
TRAIN INCIDENTS										
Coupling and uncoupling locomotives or	13	27	4	---	---	1	2	2	49	60
Coupling/uncouplng air/steam hose, saf	2	6	1	---	---	1	---	1	11	13
Operating or on locomotives.....	49	132	16	1	2	3	32	49	284	301
Operating rail motorcars.....	3	10	2	---	---	---	---	1	16	18
Operating hand brakes.....	8	17	1	---	---	1	---	1	28	33
Operating switches or derails.....	1	8	---	---	---	---	1	2	12	13
Contacting fixed objects while on loco	22	6	9	---	---	---	---	3	40	47
Getting on or off cars or locomotives.	52	111	10	---	---	1	---	10	184	232
Collisions, derailments, etc. (below $	12	29	9	---	1	---	---	13	64	73
Highway-rail crossing accidents/incide	302	132	266	---	1	12	---	592	1,305	1,467
Struck by/ran into loco/car(not at hwy	50	18	71	---	---	1	---	84	224	414
Servicing or maintenance of equipment.	8	8	7	---	---	---	---	2	25	28
Maintenance of way and structures.....	16	17	7	---	---	---	---	5	45	50
Freight, baggage, express or mail.....	6	6	3	---	---	---	---	1	16	19
Windows, doors, etc., on on-track equi	18	19	18	---	---	---	---	4	59	66
Passenger car doors.....	2	---	2	---	---	---	---	---	4	4
Stumbling, slipping, falling, caught,	35	42	19	---	---	1	1	7	105	131
Flying or falling objects, burns, etc.	13	3	12	1	6	1	16	20	72	72
Operation of on-track work equipment..	7	11	7	---	---	---	---	1	26	29
Assault.....	5	1	6	---	---	---	1	9	22	23
Other occurrences.....	28	42	9	---	2	1	---	4	86	102
Total.....	652	645	479	2	12	23	53	811	2,677	3,195
NONTRAIN INCIDENTS										
Coupling and uncoupling locomotives or	37	117	19	---	---	1	2	13	189	211
Coupling/uncouplng air/steam hose, saf	30	78	24	---	1	1	2	6	142	151
Operating or on locomotives.....	52	108	33	3	5	6	16	49	272	295
Operating rail motorcars.....	3	7	2	---	---	---	---	---	12	13
Operating hand brakes.....	18	135	16	---	---	5	2	14	190	196
Operating switches or derails.....	38	353	10	---	---	6	2	16	425	442
Contacting fixed objects while on loco	2	5	5	---	---	---	---	---	12	13
Getting on or off cars or locomotives.	146	402	61	---	---	2	1	27	639	696
Collisions, derailments, etc. (below $	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	3	5	7	---	---	---	---	16	31	34
Struck by/ran into loco/car(not at hwy	3	3	6	---	---	---	---	6	18	21
Servicing or maintenance of equipment.	224	655	250	25	52	25	86	108	1,425	1,567
Maintenance of way and structures.....	266	869	397	11	33	23	56	150	1,805	2,015
Freight, baggage, express or mail.....	19	76	6	---	1	---	2	3	107	109
Windows, doors, etc., on on-track equi	34	92	48	---	---	1	---	4	179	209
Passenger car doors.....	8	2	1	---	---	---	---	1	12	12
Stumbling, slipping, falling, caught,	292	696	155	---	---	28	---	64	1,235	1,424
Flying or falling objects, burns, etc.	21	8	42	16	9	---	48	44	188	194
Operation of on-track work equipment..	4	28	7	---	---	1	---	2	42	47
Assault.....	48	28	17	---	---	3	---	11	107	116
Other occurrences.....	151	507	130	1	6	14	5	177	991	1,053
Total.....	1,399	4,174	1,236	56	107	116	222	711	8,021	8,818
Grand Total.....	2,138	4,945	1,738	58	122	140	275	1,625	11,041	12,398

TABLE 50. NATURE OF INJURIES BY PERSON, 1996

Type Person	Amputations						Fractures					
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
EMPLOYEES ON DUTY												
YARD SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	3	4	5	---	2	14
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	---	2	---	---	2	11	5	7	1	7	31
Brakemen and Helpers	---	---	3	---	---	3	12	4	12	2	14	44
Total.....	---	---	5	---	---	5	26	13	24	3	23	89
FREIGHT SERVICE:												
Engineers and Motormen	---	3	---	---	---	3	5	6	12	2	13	38
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	2	4	5	1	---	12	13	21	23	2	17	76
Brakemen and Helpers	---	3	2	---	---	5	3	9	13	1	10	36
Total.....	2	10	7	1	---	20	21	36	48	5	40	150
PASSENGER SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	3	---	2	1	1	7
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	1	---	---	---	1	3	4	5	5	2	19
Baggagemen	---	---	---	---	---	---	---	---	---	---	---	---
Brakemen and Helpers	---	---	---	---	---	---	---	1	1	---	---	2
Total.....	---	1	---	---	---	1	6	5	8	6	3	28
HOSTLERS	---	---	---	---	---	---	---	---	---	---	1	1
--SUMMARY--												
Total employees on duty	2	34	12	4	---	52	132	214	180	42	149	717
Employees not on duty	---	---	---	---	---	---	2	1	12	1	---	16
Passengers	---	1	1	---	---	2	10	4	15	1	20	50
Nontrespassers	---	5	5	---	---	10	52	10	84	3	114	263
Trespassers	23	7	76	16	---	122	22	1	62	3	37	125
Grand total	25	47	94	20	---	186	218	230	353	50	320	1,171

TABLE 50. NATURE OF INJURIES BY PERSON, CONT., 1996

Type Person	Other Injuries: Bruise	Sprain/ Strain	Cut	Elec. Burn	Other Burns	Disloc- Cation	Object In Eye	Other	Total	Total Injured
EMPLOYEES ON DUTY										
YARD SERVICE:										
Engineers and Motormen	30	98	16	---	1	2	6	15	168	182
Firemen and Helpers	---	---	1	---	---	---	---	---	1	1
Conductors and Foremen	77	284	27	1	1	4	16	32	442	475
Brakemen and Helpers	79	291	42	3	2	6	12	43	478	525
Total.....	186	673	86	4	4	12	34	90	1,089	1,183
FREIGHT SERVICE:										
Engineers and Motormen	80	265	28	---	4	6	15	71	469	510
Firemen and Helpers	---	4	2	---	---	1	2	3	12	12
Conductors and Foremen	129	449	78	---	6	12	10	66	750	838
Brakemen and Helpers	61	214	32	1	1	5	12	35	361	402
Total.....	270	932	140	1	11	24	39	175	1,592	1,762
PASSENGER SERVICE:										
Engineers and Motormen	33	84	9	2	2	---	6	16	152	159
Firemen and Helpers	2	1	2	---	---	---	---	---	5	5
Conductors and Foremen	87	223	39	---	---	5	18	28	400	420
Baggagemen	---	---	---	---	---	---	1	---	1	1
Brakemen and Helpers	9	30	5	---	---	1	3	7	55	57
Total.....	131	338	55	2	2	6	28	51	613	642
HOSTLERS	1	14	2	---	1	---	1	2	21	22
										22
--SUMMARY--										
Total employees on duty	1,455	4,427	1,128	45	111	113	263	731	8,273	9,042
Employees not on duty	46	111	22	2	---	2	5	23	211	227
Passengers	160	118	84	---	1	4	1	93	461	513
Nontrespassers	377	261	365	4	7	21	6	552	1,593	1,866
Trespassers	100	28	139	7	3	---	---	226	503	750
Grand total	2,138	4,945	1,738	58	122	140	275	1,625	11,041	12,398

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TABLE 51. EMPLOYEE ON DUTY CASUALTIES BY TYPE OF CASUALTY, 1996

Type/Location Of Casualty		Total Cases	CASES WITH DAYS AWAY FROM WORK OR DAYS OF RESTRICTION: Total Cases	Lost Day Cases	Restricted Cases	Days Away From Work	Days Of Restriction	Other Cases
INJURIES								
Bruise - Contusion	Arm or Hand..	350	235	183	52	6,056	1,484	115
	Leg or Foot..	471	396	333	63	11,491	1,303	75
	Head or Face.	150	112	108	4	4,276	411	38
	Torso.....	388	301	269	32	16,033	2,009	87
	Other Parts..	96	87	87	0	4,319	93	9
	Subtotal	1,455	1,131	980	151	42,175	5,300	324
Sprain - Strain	Arm or Hand..	405	306	227	79	11,055	3,543	99
	Leg or Foot..	1,170	1,013	880	133	47,021	6,172	157
	Head or Face.	266	219	201	18	12,996	1,749	47
	Torso.....	2,482	2,194	1,895	299	104,460	15,082	288
	Other Parts..	104	89	83	6	3,499	984	15
	Subtotal	4,427	3,821	3,286	535	179,031	27,530	606
Cut or Laceration	Arm or Hand..	600	301	207	94	4,415	1,933	299
	Leg or Foot..	135	82	73	9	2,490	233	53
	Head or Face.	358	131	122	9	3,610	314	227
	Torso.....	16	14	13	1	874	44	2
	Other Parts..	19	13	13	0	632	46	6
	Subtotal	1,128	541	428	113	12,021	2,570	587
Puncture.....		161	67	54	13	1,739	210	94
Electric Shock or Burn.....		45	35	30	5	800	140	10
Other Burn.....		111	57	46	11	2,047	168	54
Dislocation.....		113	93	83	10	6,918	758	20
Fracture	Arm or Hand..	346	259	197	62	11,802	3,189	87
	Leg or Foot..	222	207	192	15	16,417	2,006	15
	Head or Face.	38	30	29	1	2,270	228	8
	Torso.....	104	91	84	7	6,101	582	13
	Other Parts..	7	7	7	0	825	175	0
	Subtotal	717	594	509	85	37,415	6,180	123
Dental.....		32	8	8	0	142	0	24
Amputation	Arm or Hand..	36	35	28	7	1,562	606	1
	Leg or Foot..	16	16	16	0	2,861	250	0
	Other Parts..	0	0	0	0	0	0	0
	Subtotal	52	51	44	7	4,423	856	1
Foreign Object in Eye.....		263	113	101	12	352	48	150
Hernia.....		75	68	64	4	2,999	310	7
Concussion.....		33	31	30	1	1,680	44	2
Nervous Shock (Injury Related)..		2	1	1	0	77	0	1
Internal Injury.....		17	15	14	1	1,550	46	2
Loss of Eye.....		1	1	1	0	174	0	0
Reaction 1 Time Exposure (Chem).		35	23	20	3	176	17	12
One Time Exposure to Noise.....		24	16	15	1	322	12	8
One Time Exposure to Fumes.....		136	103	101	2	3,349	10	33
Other -Not Elsewhere Classified.		215	129	109	20	5,487	594	86
Total Nonfatal Injuries		9,042	6,898	5,924	974	302,877	44,793	2,144
ILLNESSES								
Occu. Skin Diseases or Disorders		23	10	10	0	39	0	13
Dust Diseases of the Lungs.....		1	0	0	0	0	0	1
Respiratory-Due to Toxic Agents.		20	16	9	7	320	513	4
Poison-Systemic Effect of Toxin		1	0	0	0	0	0	1
Disorders Due to Physical Agents		12	6	5	1	25	14	6
Disorders Due to Repeated Trauma		62	26	17	9	1,572	264	36
Other Occupational Illnesses....		38	30	16	14	1,085	50	8
Total Nonfatal Illnesses		157	88	57	31	3,041	841	69

***Fatal INJURIES > 33 ***Fatal ILLNESSES > 0 ***TOTAL FATALITIES > 33

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY, 1996

	Killed	Injured	Illness	Total
EXECUTIVES, OFFICIALS, AND STAFF ASSISTANTS				
Executives, officials, and staff assistants (miscellaneous)	---	1	---	1
Executives and general officers	---	7	---	7
Corporate staff managers	---	10	---	10
Regional and division officers, assistants and staff assistants	---	12	---	12
Transportation officers/managers	---	17	1	18
Subtotal	---	47	1	48
PROFESSIONAL AND ADMINISTRATIVE				
Professional and administrative (miscellaneous)	---	5	1	6
Professional	---	7	3	10
Subprofessionals	---	10	---	10
Auditors, traveling auditors or accountants	---	13	---	13
General and administrative supervisors	1	9	---	10
Sales and traffic representatives and agents	---	24	---	24
Freight and other claim agents and investigators	---	2	---	2
Supervising and chief claim agents	---	1	---	1
Lieutenants and sergeants of police	---	16	1	17
Police officers, watchmen and guards (except crossing & bridge)	---	96	2	98
Inspectors, (except MOW & MOE), other investigators, examiners, etc	---	3	---	3
Buyers, and sales agents	---	5	1	6
Clerical technicians and clerical specialists	---	25	---	25
Office machine and data equipment operators	---	16	---	16
Secretaries, stenographers, and typists	---	16	1	17
General and other clerks (except yard clerk and crew dispatcher)	---	108	7	115
Building and office attendants	---	36	1	37
Messengers and office persons	---	6	1	7
Motor vehicle operators	---	38	---	38
Subtotal	1	436	18	455
MAINTENANCE OF WAY AND STRUCTURES				
Maintenance of way and structures (miscellaneous)	---	20	---	20
Supervisors, maintenance of way, structures, communication & signls	1	62	2	65
Maintenance of way, structures, comm. & signals, & scale inspectors	---	48	---	48
Bridge and building gang foreman	---	36	---	36
Bridge and building carpenters	2	74	2	78
Bridge and building ironworkers	---	36	3	39
Bridge and building painters	---	5	---	5
Masons, bricklayers, plasterers, and plumbers	---	113	---	113
Bridge and building helpers and apprentices	---	56	2	58
Bridge and building gang and bridge and building dept laborers	---	38	---	38
Track gang foremen (extra gang work train laborers)	---	63	1	64
Gang or section foreman	---	167	2	169
Extra gang laborers	1	270	2	273
Section laborers	3	586	4	593
Machine operators	1	398	5	404
Gang foremen, communications and signals	1	23	---	24
Signalmen and signal maintainers	---	258	3	261
Linemen and groundmen and communications craftsman	---	75	3	78
Assistant signalmen and assistant signal maintainers	---	25	---	25
Signal helpers and signal maintainer helpers	---	11	1	12
Camp car cooks	---	3	---	3
Subtotal	9	2,367	30	2,406
MAINTENANCE OF EQUIPMENT AND STORES				
Maintenance of equipment and stores (miscellaneous)	---	18	1	19
Supervisors and general foremen, maintenance of equipment	---	37	2	39
Supervisors and general foremen, materials and stores	---	10	---	10
Equipment, shop, electrical inspectors	---	13	---	13
Materials and supplies inspectors	---	1	---	1
Storekeeper	---	18	1	19
Gang foremen, maintenance of equipment	---	45	---	45
Blacksmiths	---	7	---	7
Boilermakers	---	21	2	23
Carmen (freight)	1	476	3	480
Carmen (other)	---	265	3	268

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY, CONT., 1996

	Killed	Injured	Illness	Total
MAINTENANCE OF EQUIPMENT AND STORES (cont.)				
Electrical workers (A)	---	303	6	309
Electrical workers (B)	---	12	---	12
Electrical workers (C)	---	5	---	5
Machinists	---	362	9	371
Sheet metal workers	---	70	4	74
Skilled trades, helpers, maintenance of equipment and stores	---	46	2	48
Apprentices, maintenance of equipment and stores	---	12	1	13
Coach cleaners	---	174	3	177
Laborers: shops, enginehouses and power plants	---	167	3	170
Gang foremen, materials and stores	---	2	---	2
Equipment operators and general laborers, materials and stores	---	39	1	40
Stationary engineers	---	2	---	2
Subtotal	1	2,105	41	2,147
TRANSPORTATION, OTHER THAN TRAIN AND ENGINE				
Transportation, other than train and engine (miscellaneous)	---	2	1	3
Transportation supervisor and chief train dispatcher	---	6	---	6
Train dispatchers	---	8	---	8
Station, freight and passenger agents	---	36	---	36
Chief operators and wire chiefs	---	1	---	1
Clerk operators, towerman, train directors	---	11	1	12
Station masters & assts, supervising bag. agents, bag. agents, etc.	---	3	---	3
Baggage, parcel room and station attendents	---	61	---	61
General & asst gnrl foremen,stations,warehouses,grain elev., docks.	---	1	1	2
Gang foremen, stations, warehouses, grain elevators and docks	---	4	---	4
Grain elevator, and dock laborers	---	14	1	15
Station, and warehouse laborers	---	34	---	34
Truckers (station, warehouse and platforms)	---	4	---	4
Food and lodging manager, supervisors	---	6	---	6
Waiters and kitchen helpers (restaurant and dining car)	---	9	1	10
Chefs and cooks (restaurant and dining car)	---	49	---	49
Train attendants	---	145	4	149
Bridge operators and helpers	---	2	---	2
Yards clerks	---	26	---	26
Crew dispatchers	---	7	---	7
Yardmasters and assistant yardmasters	---	12	---	12
Subtotal	---	441	9	450
TRANSPORTATION, TRAIN AND ENGINE				
Transportation, train and engine (miscellaneous)	---	1	---	1
Switchtenders	---	26	---	26
Car retarder operators and ground service employees	---	3	---	3
Outside hostlers	---	16	---	16
Outside hostler helpers	---	6	---	6
Inside hostler	---	7	1	8
Road passenger conductors	2	343	17	362
Assistant road passenger conductors and ticket collectors	1	77	---	78
Road freight conductors (through freight)	3	538	5	546
Road freight conductors (local and way freight)	1	300	3	304
Road passenger baggageperson	---	1	---	1
Road Passenger brakemen and flagmen	---	57	1	58
Road freight brakemen and flagmen (through freight)	1	164	---	165
Road freight brakemen and flagmen (local and way freight)	2	238	2	242
Yard conductors and yard foremen	2	475	4	481
Yard brakemen and yard helpers	3	525	3	531
Road passenger engineers and motormen	3	159	11	173
Road freight engineers (through freight)	4	366	5	375
Road freight engineers (local and way freight)	---	144	4	148
Yard engineers	---	182	1	183
Road passenger firemen and helpers	---	5	1	6
Road freight firemen and helpers (through freight)	---	11	---	11
Road freight firemen and helpers (local and way freight)	---	1	---	1
Yard firemen and helpers	---	1	---	1
Subtotal	22	3,646	58	3,726
Total	33	9,042	157	9,232

TABLE 53. EMPLOYEE FATALITIES BY JOB GROUPS, 1996

Type accident/incident	I*	II	III	IV	V	V1	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	7	7
Derailments	---	---	---	---	---	4	4
Rail-highway x-ing	---	---	---	---	---	1	1
Miscellaneous	---	---	---	---	---	3	3
Total.....	---	---	---	---	---	15	15
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	2	2
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	---	---
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	1	1
Operating switches or derails.....	---	---	---	---	---	---	---
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	1	1
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	1	1
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	---	5	---	---	---	5
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	---	---
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	---	---	---	---	---
Total.....	---	---	5	---	---	5	10
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	---	---
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	---	---
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	---	---
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	---	---
Servicing or maintenance of equipment.....	---	---	---	1	---	---	1
Maintenance of way and structures.....	---	---	3	---	---	---	3
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	1	1
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	1	1	---	---	1	3
Total.....	---	1	4	1	---	2	8
Grand total.....	---	1	9	1	---	22	33

NOTE: I = Executives, officials, and staff assistants
II = Professional, clerical, and general
III = Maintenance of way and structures
IV = Maintenance of equipment and stores
V = Transportation (other than train, engine, and yard)
VI = Transportation (train and engine)

TABLE 54. EMPLOYEE INJURIES BY JOB GROUPS, 1996

Type accident/incident	I*	II	III	IV	V	V1	Total
TRAIN ACCIDENTS							
Collisions	1	---	7	2	13	47	70
Derailments	---	---	2	1	2	49	54
Rail-highway x-ing	1	---	---	---	1	38	40
Miscellaneous	---	---	8	2	---	21	31
Total.....	2	---	17	5	16	155	195
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	2	1	57	60
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	1	---	12	13
Operating or on locomotives.....	---	2	---	6	2	290	300
Operating rail motorcars.....	---	---	9	---	---	9	18
Operating hand brakes.....	---	---	---	---	1	32	33
Operating switches or derails.....	---	---	---	---	---	12	12
Contacting fixed objects while on locos or cars..	---	---	1	---	1	42	44
Getting on or off cars or locomotives.....	---	---	---	4	18	160	182
Collisions, derailments, etc. (below $ threshold)	---	---	4	5	1	40	50
Highway-rail crossing accidents/incidents.....	---	---	4	---	2	31	37
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	3	3	---	15	21
Servicing or maintenance of equipment.....	---	1	3	19	4	---	27
Maintenance of way and structures.....	---	1	47	1	---	---	49
Freight, baggage, express or mail.....	---	---	---	1	11	5	17
Windows, doors, etc., on on-track equipment.....	---	---	2	2	8	39	51
Passenger car doors.....	---	---	---	---	---	1	1
Stumbling, slipping, falling, caught, N.O.C.....	---	1	---	2	26	44	73
Flying or falling objects, burns, etc., N.O.C....	---	1	2	---	13	35	51
Operation of on-track work equipment.....	---	---	25	1	---	---	26
Assault.....	---	2	---	---	---	20	22
Other occurrences.....	---	---	1	1	20	40	62
Total.....	---	8	101	48	108	884	1,149
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	12	1	197	210
Coupling/uncoupling air/steam hose, safety chains.	1	1	1	28	---	120	151
Operating or on locomotives.....	1	---	1	36	1	254	293
Operating rail motorcars.....	---	---	4	---	---	7	11
Operating hand brakes.....	1	---	---	9	1	185	196
Operating switches or derails.....	---	---	18	26	1	395	440
Contacting fixed objects while on locos or cars..	---	---	---	5	1	4	10
Getting on or off cars or locomotives.....	2	6	11	77	21	425	542
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	1	1	5	7
Servicing or maintenance of equipment.....	3	29	90	1,375	20	33	1,550
Maintenance of way and structures.....	5	39	1,735	147	9	21	1,956
Freight, baggage, express or mail.....	---	4	4	2	77	16	103
Windows, doors, etc., on on-track equipment.....	1	4	13	43	7	121	189
Passenger car doors.....	---	---	---	1	---	---	1
Stumbling, slipping, falling, caught, N.O.C.....	9	90	145	154	77	458	933
Flying or falling objects, burns, etc., N.O.C....	2	14	10	20	22	81	149
Operation of on-track work equipment.....	---	1	38	2	1	2	44
Assault.....	1	29	6	12	5	39	92
Other occurrences.....	19	211	173	102	72	244	821
Total.....	45	428	2,249	2,052	317	2,607	7,698
Grand total.....	47	436	2,367	2,105	441	3,646	9,042

NOTE: I = Executives, officials, and staff assistants
II = Professional, clerical, and general
III = Maintenance of way and structures
IV = Maintenance of equipment and stores
V = Transportation (other than train, engine, and yard)
VI = Transportation (train and engine)

TABLE 55. SUMMARY OF NONFATAL EMPLOYEE INJURIES BY OCCURRENCE, 1996

Type of Occurrence	Total Cases	Cases With Days Away From Work Or Days Of Restriction: Total Cases	Lost Day Cases	Restricted Cases	Days Away From Work	Days Of Restriction	Other Cases
TRAIN ACCIDENTS							
Collisions	70	66	62	4	7,236	218	4
Derailments	54	51	50	1	5,088	570	3
Rail-highway x-ing	40	37	35	2	3,554	80	3
Miscellaneous	31	30	29	1	1,717	159	1
Total.....	195	184	176	8	17,595	1,027	11
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars...	60	49	45	4	2,488	444	11
Coupling/uncoupling air/steam hose, safety chains.	13	12	11	1	869	7	1
Operating or on locomotives.....	300	246	225	21	14,250	709	54
Operating rail motorcars.....	18	15	14	1	322	37	3
Operating hand brakes.....	33	29	27	2	1,537	183	4
Operating switches or derails.....	12	12	10	2	532	301	---
Contacting fixed objects while on locos or cars..	44	39	36	3	1,860	304	5
Getting on or off cars or locomotives.....	182	160	144	16	8,925	1,013	22
Collisions, derailments, etc. (below $ threshold)	50	41	37	4	3,181	367	9
Highway-rail crossing accidents/incidents.....	37	30	28	2	1,470	125	7
Struck by/ran into loco/car(not at hwy-rr x-ing).	21	18	17	1	1,523	170	3
Servicing or maintenance of equipment.....	27	20	15	5	1,079	118	7
Maintenance of way and structures.....	49	38	31	7	2,149	203	11
Freight, baggage, express or mail.....	17	13	13	---	156	---	4
Windows, doors, etc., on on-track equipment.....	51	40	36	4	992	313	11
Passenger car doors.....	1	1	1	---	46	---	---
Stumbling, slipping, falling, caught, N.O.C.....	73	57	53	4	3,057	155	16
Flying or falling objects, burns, etc., N.O.C....	51	35	34	1	394	2	16
Operation of on-track work equipment.....	26	18	18	---	1,073	30	8
Assault.....	22	17	17	---	527	41	5
Other occurrences.....	62	55	50	5	3,680	483	7
Total.....	1,149	945	862	83	50,110	5,005	204
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	210	184	161	23	8,063	727	26
Coupling/uncoupling air/steam hose, safety chains.	151	118	100	18	4,500	658	33
Operating or on locomotives.....	293	229	206	23	10,592	802	64
Operating rail motorcars.....	11	9	8	1	181	4	2
Operating hand brakes.....	196	165	146	19	11,458	1,166	31
Operating switches or derails.....	440	401	358	43	21,248	1,647	39
Contacting fixed objects while on locos or cars..	10	6	6	---	348	30	4
Getting on or off cars or locomotives.....	542	470	413	57	20,045	3,229	72
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	7	4	4	---	54	---	3
Servicing or maintenance of equipment.....	1,550	1,077	887	190	37,615	7,390	473
Maintenance of way and structures.....	1,956	1,328	996	332	43,786	12,578	628
Freight, baggage, express or mail.....	103	79	79	---	1,389	30	24
Windows, doors, etc., on on-track equipment.....	189	143	123	20	3,697	744	46
Passenger car doors.....	1	1	1	---	177	---	---
Stumbling, slipping, falling, caught, N.O.C.....	933	791	708	83	41,268	4,821	142
Flying or falling objects, burns, etc., N.O.C....	149	95	91	4	2,702	135	54
Operation of on-track work equipment.....	44	32	26	6	1,081	233	12
Assault.....	92	68	64	4	2,611	102	24
Other occurrences.....	821	569	509	60	24,357	4,465	252
Total.....	7,698	5,769	4,886	883	235,172	38,761	1,929
Grand total.....	9,042	6,898	5,924	974	302,877	44,793	2,144

TABLE 56. EMPLOYEE ILLNESSES BY JOB GROUPS, 1996

Type accident/incident	I*	II	III	IV	V	V1	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	---	---
Derailments	---	---	---	---	---	3	3
Rail-highway x-ing	---	---	---	---	---	---	---
Miscellaneous	---	---	---	---	---	---	---
Total.....	---	---	---	---	---	3	3
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	2	2
Coupling/uncouplng air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	11	11
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	---	---
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	1	1
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	1	1
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	2	2
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	13	13
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	2	---	2
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	1	1
Other occurrences.....	---	---	---	---	2	---	2
Total.....	---	---	---	---	4	31	35
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncouplng air/steam hose, safety chains.	---	---	---	---	---	3	3
Operating or on locomotives.....	---	---	---	1	---	8	9
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	1	1
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	1	---	---	1
Collisions, derailments, etc. (below $ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	1	1
Servicing or maintenance of equipment.....	---	---	---	29	---	---	29
Maintenance of way and structures.....	---	1	19	3	---	---	23
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	1	---	1
Flying or falling objects, burns, etc., N.O.C....	---	1	1	1	1	---	4
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	1	---	3	4
Other occurrences.....	1	16	10	5	3	8	43
Total.....	1	18	30	41	5	24	119
Grand total.....	1	18	30	41	9	58	157

NOTE: I = Executives, officials, and staff assistants
II = Professional, clerical, and general
III = Maintenance of way and structures
IV = Maintenance of equipment and stores
V = Transportation (other than train, engine, and yard)
VI = Transportation (train and engine)

TABLE 57: SUMMARY OF NON-FATAL EMPLOYEE-ON-DUTY INJURIES DUE TO ASSAULTS, 1996

Railroad	<STRUCK by THROWN/PROPELLED OBJECT WHILE:> On Locomotive	On Caboose	On Cars	NOT on Consist	<<OTHER ASSAULTS>> On Consists	NOT on Consists	TOTAL CASES
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Corp)	0	0	0	0	1	19	20
Burlington Northern Santa Fe Corp.	2	1	0	2	0	0	5
Consolidated Rail Corp.	2	0	0	0	0	4	6
CSX Transportation	2	0	0	0	0	1	3
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	0
Illinois Central Railroad Co.	0	0	0	0	0	1	1
Kansas City Southern Railway Co.	0	0	0	0	0	3	3
Norfolk Southern Corp.	2	0	0	0	0	2	4
Soo Line Railroad Co.	0	0	0	0	0	1	1
Southern Pacific Transportation Co.	1	0	0	0	1	5	7
St. Louis Southwestern Railway Co.	0	0	0	0	1	0	1
Union Pacific Railroad Co.	6	0	0	0	0	4	10
Total Class I Railroads.....	15	1	0	2	3	40	61
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0
Duluth, Winnipeg & Pacific Railway	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0
Florida East Coast Railway Co.	0	0	0	0	0	1	1
Guilford Railroad System	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0
Long Island Rail Road	0	0	0	0	1	13	14
Massachusettes Bay Transit Authority	0	0	0	0	0	0	0
Metro North Commuter Railroad Co.	0	0	0	0	1	14	15
Montana Rail Link	0	0	0	0	1	0	1
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	3	3
New Jersey Transit Rail Operations	0	0	0	0	0	6	6
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0
Port Authority Trans Hudson	0	0	0	0	0	1	1
Peninsular Commuter (San Mateo County)	0	0	0	0	0	2	2
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0
Southern California Regional Rail	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	2	0	2	0	0	3	7
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of St. Louis	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	2	0	2	0	3	43	50
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	15	1	0	2	3	40	61
Group II Railroads **	2	0	2	0	3	43	50
All Other Railroads	0	0	0	0	3	0	3
Total All Railroads	17	1	2	2	9	83	114

** Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

TABLE 58. FATALITIES IN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1996

	Cause	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	HIGHWAY-RAIL GRADE CROSSING ACCIDENTS								
M302	Highway user inattentiveness	18	---	---	---	---	---	11	7
M303	Hwy user misjudgement	3	---	---	---	---	---	2	1
M304	Highway user cited for violation	4	---	---	---	---	---	3	1
M399	Other causes (highway-rail collisions)	6	1	---	1	---	---	1	4
	SUBTOTAL.....	31	1	---	1	---	---	17	13
	UNUSUAL OPERATIONAL SITUATIONS								
M402	Object/equipment (mtr veh) on track	1	---	---	---	---	---	1	---
	SUBTOTAL.....	1	---	---	---	---	---	1	---
	OTHER MISCELLANEOUS								
M502	Vandalism of on-track equipment	2	2	---	2	---	---	---	---
M505	Cause under investigation	2	2	---	2	---	---	---	---
M599	Other miscellaneous causes	11	3	---	3	---	8	---	---
	SUBTOTAL.....	15	7	---	7	---	8	---	---
	GRAND TOTAL.....	47	8	---	8	---	8	18	13

TABLE 59. INJURIES IN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1996

	Cause	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	ENVIRONMENTAL CONDITIONS								
M101	Snow,ice,mud,gravel,coal,etc. on trk	3	2	1	3	---	---	---	---
M103	Extreme environmental - FLOOD	3	3	---	3	---	---	---	---
	SUBTOTAL.....	6	5	1	6	---	---	---	---
	HIGHWAY-RAIL GRADE CROSSING ACCIDENTS								
M301	Hwy user impairment-drug/alcohol use	2	---	---	---	---	---	---	2
M302	Highway user inattentiveness	29	10	---	10	---	1	12	6
M303	Hwy user misjudgement	14	8	1	9	1	---	2	2
M304	Highway user cited for violation	17	9	---	9	---	---	6	2
M399	Other causes (highway-rail collisions)	43	10	1	11	---	21	8	3
	SUBTOTAL.....	105	37	2	39	1	22	28	15
	UNUSUAL OPERATIONAL SITUATIONS								
M402	Object/equipment (mtr veh) on track	1	1	---	1	---	---	---	---
M404	Obj/equip on/fouling track, other	4	3	---	3	---	1	---	---
M406	Fire, other than vandalism	1	---	1	1	---	---	---	---
	SUBTOTAL.....	6	4	1	5	---	1	---	---
	OTHER MISCELLANEOUS								
M501	Interference(not vandals)with RR op.	1	---	---	---	---	---	1	---
M502	Vandalism of on-track equipment	1	1	---	1	---	---	---	---
M503	Vandalism of track or track appliances	3	2	---	2	1	---	---	---
M505	Cause under investigation	30	16	1	17	---	13	---	---
M599	Other miscellaneous causes	33	8	14	22	---	11	---	---
	SUBTOTAL.....	68	27	15	42	1	24	1	---
	GRAND TOTAL.....	185	73	19	92	2	47	29	15

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 60. FATALITIES IN ACCIDENTS RESULTING FROM OPERATING PRACTICES (HUMAN FACTORS) BY CAUSE, 1996

	Cause	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	BRAKES, USE OF								
H018	Fail to secure car hnd brk -rr emp	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	FLAGGING, FIXED, HAND AND RADIO SIGNALS								
H204	Fixed signal, failure to comply	4	3	---	3	---	1	---	---
	SUBTOTAL.....	4	3	---	3	---	1	---	---
	GENERAL SWITCHING RULES								
H399	Other general switching rules	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	TRAIN HANDLING/TRAIN MAKE-UP								
H513	Automatic brake, other improper use	2	2	---	2	---	---	---	---
	SUBTOTAL.....	2	2	---	2	---	---	---	---
	GRAND TOTAL.....	8	7	---	7	---	1	---	---

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 61. INJURIES IN ACCIDENTS RESULTING FROM OPERATING PRACTICES (HUMAN FACTORS) BY CAUSE, 1996

	Cause	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	BRAKES, USE OF								
H008	Bottling the Air	1	1	---	1	---	---	---	---
H017	Failure to secure engine- rr empl	3	3	---	3	---	---	---	---
H018	Fail to secure car hnd brk -rr emp	1	1	---	1	---	---	---	---
H022	Fail to secure equip - not rr emp	1	1	---	1	---	---	---	---
H025	Fail to ctrl car spd use hnd brk-r emp	1	1	---	1	---	---	---	---
H099	Use of brakes, other	1	1	---	1	---	---	---	---
	SUBTOTAL.....	8	8	---	8	---	---	---	---
	EMPLOYEE PHYSICAL CONDITION								
H104	Employee asleep	4	1	3	4	---	---	---	---
	SUBTOTAL.....	4	1	3	4	---	---	---	---
	FLAGGING, FIXED, HAND AND RADIO SIGNALS								
H204	Fixed signal, failure to comply	68	5	1	6	---	62	---	---
H212	Radio comm., failure to give/receive	1	1	---	1	---	---	---	---
H215	Block signal, failure to comply	1	1	---	1	---	---	---	---
	SUBTOTAL.....	70	7	1	8	---	62	---	---
	GENERAL SWITCHING RULES								
H301	Car(s) shoved out & left out of clear	2	2	---	2	---	---	---	---
H305	Instruction to trn/yd crew improper	1	1	---	1	---	---	---	---
H306	Shoving movement, absence of man	6	6	---	6	---	---	---	---
H307	Shoving movement, failure to control	2	2	---	2	---	---	---	---
	SUBTOTAL.....	11	11	---	11	---	---	---	---
	MAIN TRACK AUTHORITY								
H401	Failure to stop train in clear	1	1	---	1	---	---	---	---
H402	Motor car/on-trk rules, fail to comply	7	1	3	4	---	---	3	---
H403	Movement without authority - rr emp	4	2	2	4	---	---	---	---
H405	Trn orders, trk warrants, radio error	1	1	---	1	---	---	---	---
H499	Other main track authority causes	15	8	6	14	---	---	1	---
	SUBTOTAL.....	28	13	11	24	---	---	4	---
	TRAIN HANDLING/TRAIN MAKE-UP								
H513	Automatic brake, other improper use	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	SPEED								
H601	Coupling speed excessive	1	1	---	1	---	---	---	---
H699	Speed, other	1	---	1	1	---	---	---	---
	SUBTOTAL.....	2	1	1	2	---	---	---	---
	SWITCHES, USE OF								
H702	Switch improperly lined	4	4	---	4	---	---	---	---
	SUBTOTAL.....	4	4	---	4	---	---	---	---
	MISCELLANEOUS								
H999	Other train operation/human factors	3	1	2	3	---	---	---	---
	SUBTOTAL.....	3	1	2	3	---	---	---	---
	GRAND TOTAL.....	131	47	18	65	---	62	4	---

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 62. FATALITIES IN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1996

There were no fatalities reported in connection with train accidents caused by mechanical and electrical failures.

TABLE 63. INJURIES IN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1996

	Cause	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	BRAKES								
E0HL	Hnd brk linkage/connect defect-loco	1	1	---	1	---	---	---	---
E03C	Obstructed brake pipe	7	6	1	7	---	---	---	---
E08C	Hand brk broken or defective	2	2	---	2	---	---	---	---
	SUBTOTAL.....	10	9	1	10	---	---	---	---
	TRUCK COMPONENTS								
E44C	Truck bolster broken	1	---	---	---	---	---	1	---
E49C	Other truck component defects, (CAR)	2	1	---	1	---	1	---	---
	SUBTOTAL.....	3	1	---	1	---	1	1	---
	AXLES AND JOURNAL BEARINGS								
E53C	Journal (roller bearing) overheating	1	---	1	1	---	---	---	---
	SUBTOTAL.....	1	---	1	1	---	---	---	---
	WHEELS								
E60L	Broken flange (LOCOMOTIVE)	13	2	1	3	---	10	---	---
	SUBTOTAL.....	13	2	1	3	---	10	---	---
	LOCOMOTIVES								
E71L	Traction motor failure (LOCOMOTIVE)	1	1	---	1	---	---	---	---
E74L	Electrically caused fire (LOCOMOTIVE)	3	1	---	1	---	2	---	---
	SUBTOTAL.....	4	2	---	2	---	2	---	---
	GENERAL MECHANICAL AND ELECTRICAL FAILURES								
E99C	Other mechanical/electrical failures	2	2	---	2	---	---	---	---
	SUBTOTAL.....	2	2	---	2	---	---	---	---
	GRAND TOTAL.....	33	16	3	19	---	13	1	---

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 64. FATALITIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY DEFECTS IN TRACK ROADBED AND STRUCTURE, 1996

	Cause	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	RAIL AND JOINT BAR DEFECTS								
T215	Joint bar broken (noninsulated)	1	---	---	---	---	---	---	1
T221	Vertical split head	1	---	---	---	---	---	---	1
	SUBTOTAL.....	2	---	---	---	---	---	---	2
	GRAND TOTAL.....	2	---	---	---	---	---	---	2

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 65. INJURIES IN ACCIDENTS RESULTING FROM TRACK, ROADBED, AND STRUCTURES BY CAUSE, 1996

	Cause	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	ROADBED DEFECTS								
T002	Washout/rain/slide/etc. dmg -track	3	3	---	3	---	---	---	---
T099	Other roadbed defects	1	1	---	1	---	---	---	---
	SUBTOTAL.....	4	4	---	4	---	---	---	---
	TRACK GEOMETRY DEFECTS								
T101	Cross level of track irregular(joints)	1	1	---	1	---	---	---	---
T103	Deviate frm uniform top of rail profil	1	1	---	1	---	---	---	---
T110	Wide gage(defective/missing crossties)	1	1	---	1	---	---	---	---
	SUBTOTAL.....	3	3	---	3	---	---	---	---
	RAIL AND JOINT BAR DEFECTS								
T202	Broken base of rail	1	1	---	1	---	---	---	---
T205	Defective or missing crossties	1	1	---	1	---	---	---	---
T211	Head & web separation-in jt bar limit	2	2	---	2	---	---	---	---
T215	Joint bar broken (noninsulated)	3	3	---	3	---	---	---	---
T220	Transverse/compound fissure	2	2	---	2	---	---	---	---
T221	Vertical split head	5	3	---	3	---	---	2	---
	SUBTOTAL.....	14	12	---	12	---	---	2	---
	FROGS, SWITCHES AND TRACK APPLIANCES								
T399	Oth frog, switch, trk appliance defect	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	OTHER WAY AND STRUCTURES								
T499	Other way and structure defect	17	2	---	2	---	15	---	---
	SUBTOTAL.....	17	2	---	2	---	15	---	---
	GRAND TOTAL.....	39	22	---	22	---	15	2	---

NOTE: Includes illnesses resulting from accident, if any. Contractor employees are included with nontrespassers.

TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
001T	Adjusting coupler, equipment moving unexpectedly	1	1	---	1	---	---	---	---
002T	Adjusting coupler - equipment moving	1	1	---	1	---	---	---	---
	SUBTOTAL.....	2	2	---	2	---	---	---	---
	OPERATING HAND BRAKES								
200T	Manipulating hand brakes, no defects, equipment moving	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	GETTING ON OR OFF CARS OR LOCOMOTIVES								
502T	Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov	1	---	---	---	---	---	---	1
507T	Falling, slipping, tripping, not elsewhere classified - eqp moving	4	---	---	---	---	---	---	4
511T	Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	1	1	---	1	---	---	---	---
513T	Jumping from equipment - equipment moving	4	---	---	---	---	2	1	1
519T	Other acc/inc while getting on or off cars or locos - equipment mov	2	---	---	---	---	---	---	2
	SUBTOTAL.....	12	1	---	1	---	2	1	8
	COLLISIONS, DERAILMENTS, ETC.($DMG BELOW THRESHOLD)								
601T	Casualty resulting fm a collision which did not satisfy $ threshold	3	---	---	---	---	---	---	3
603T	Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	8	---	---	---	---	---	1	7
	SUBTOTAL.....	11	---	---	---	---	---	1	10
	RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609T	Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	415	---	---	---	---	---	283	132
610T	Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	36	---	---	---	---	---	33	3
	SUBTOTAL.....	451	---	---	---	---	---	316	135
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701T	Standing, walking or running on or along track - equipment moving	194	1	---	1	---	---	11	182
702T	Crossing track at private rail-highway crossing - equipment moving	1	---	---	---	---	---	---	1
703T	Crossing track not at a crossing - equipment moving	28	---	---	---	---	---	2	26
705T	On bridges or trestles - equipment moving	14	---	---	---	---	---	---	14
706T	Sitting or lying on track or near track, not in clear - eqp moving	172	---	---	---	---	---	5	167
707T	While working on or along track - equipment moving	1	---	---	---	---	---	---	1
708T	Passing over, through, or under cars - equipment moving	5	---	---	---	---	---	---	5
709T	Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	30	---	---	---	---	---	2	28
	SUBTOTAL.....	445	1	---	1	---	---	20	424

TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	MAINTENANCE OF WAY AND STRUCTURES								
853T	Striking or being struck by eqp, structures, or material-eqp mov	4	---	4	4	---	---	---	---
899T	Other accs/incs while maintaining way and structures - eqp moving	1	---	1	1	---	---	---	---
	SUBTOTAL.....	5	---	5	5	---	---	---	---
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
938T	While on locomotive or car-equipment moving	2	---	---	---	---	1	---	1
939T	Other, stumbling, slipping, falling, caught, etc. - equipment moving	2	---	---	---	---	---	---	2
	SUBTOTAL.....	4	---	---	---	---	1	---	3
	OPERATION OF ON-TRACK WORK EQUIPMENT								
959T	Other A/I involving on-track work equipment - equipment moving	1	---	---	---	---	---	---	1
	SUBTOTAL.....	1	---	---	---	---	---	---	1
	ASSAULT								
96MT	All other assaults involving moving on-track equipment	1	---	---	---	---	---	---	1
	SUBTOTAL.....	1	---	---	---	---	---	---	1
	OTHER OCCURRENCES								
989T	Other accidents/incidents-equipment moving	4	---	---	---	---	---	3	1
	SUBTOTAL.....	4	---	---	---	---	---	3	1
	GRAND TOTAL.....	937	5	5	10	---	3	341	583

NOTE: Contractor employees are included with nontrespassers.

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
001T	Adjusting coupler, equipment moving unexpectedly	1	1	---	1	---	---	---	---
002T	Adjusting coupler - equipment moving	6	6	---	6	---	---	---	---
003T	Crossing over, under or between on-track equipment, equipment moving	1	1	---	1	---	---	---	---
004T	Adjusting coupler, part of coupler fell striking person - eqp moving	1	1	---	1	---	---	---	---
005T	Use of uncoupling lever - equipment moving	15	15	---	15	---	---	---	---
006T	Use of uncoupling lever - equipment moving unexpectedly	1	1	---	1	---	---	---	---
007T	Striking parts of body against equipment - equipment moving	7	6	1	7	---	---	---	---
008T	Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving	12	11	1	12	---	---	---	---
009T	Other acc/inc while coupling/uncoupling cars or locos - equip moving	16	15	1	16	---	---	---	---
	SUBTOTAL.....	60	57	3	60	---	---	---	---
	COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.								
052T	Uncoupl air hose,struck by hose due to sudden release of air-eqp mov	1	1	---	1	---	---	---	---
054T	Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp moving	2	1	1	2	---	---	---	---
057T	Opening or closing angle cocks - equipment moving	2	2	---	2	---	---	---	---
059T	Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp mov	8	8	---	8	---	---	---	---
	SUBTOTAL.....	13	12	1	13	---	---	---	---
	OPERATING OR ON LOCOMOTIVES								
101T	Burn or electrical shock - equipment moving	2	2	---	2	---	---	---	---
102T	Striking parts of body against equipment, moving about loco-eqp mov	20	18	1	19	1	---	---	---
103T	Struck by tools or other objects falling - equipment moving	11	11	---	11	---	---	---	---
104T	Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp moving	20	20	---	20	---	---	---	---
106T	Unexpected movement of locomotive, other than slack action	46	39	7	46	---	---	---	---
107T	Slack action in locomotive	33	33	---	33	---	---	---	---
108T	Striking parts of body against equipment due to sudden stop of loco	28	28	---	28	---	---	---	---
109T	Inhalation of or contact with fumes or gases - equipment moving	33	33	---	33	---	---	---	---
110T	Defective locomotive seat - equipment moving	14	14	---	14	---	---	---	---
111T	Adjusting locomotive seat - equipment moving	3	3	---	3	---	---	---	---
112T	Foreign object in eye - equipment moving	38	37	1	38	---	---	---	---
119T	Other accidents/incidents while operating locomotives - eqp moving	53	52	1	53	---	---	---	---
	SUBTOTAL.....	301	290	10	300	1	---	---	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	OPERATING RAIL MOTORCARS								
151T	Striking parts of body against equipment - equipment moving	4	---	4	4	---	---	---	---
153T	Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp mov	1	1	---	1	---	---	---	---
154T	Unexpected movement of rail motorcar	4	3	1	4	---	---	---	---
159T	Other accidents/incidents while operating rail motorcars - eqp mov	9	5	4	9	---	---	---	---
	SUBTOTAL.....	18	9	9	18	---	---	---	---
	OPERATING HAND BRAKES								
200T	Manipulating hand brakes, no defects, equipment moving	7	7	---	7	---	---	---	---
203T	Striking body due to movement of equipment	6	5	1	6	---	---	---	---
204T	Losing hold, slipping or falling due to coupling impact	8	8	---	8	---	---	---	---
205T	Caught between parts of equipment or lading - equipment moving	1	1	---	1	---	---	---	---
206T	Brake chains or bolts, breaking or giving way - equipment moving	1	1	---	1	---	---	---	---
207T	Losing hold, slipping, or falling - equipment moving	4	4	---	4	---	---	---	---
208T	Caught hand or fingers in spinning brake wheel - equipment moving	1	1	---	1	---	---	---	---
209T	Other accidents/incidents while operating hand brakes - eqp moving	5	5	---	5	---	---	---	---
	SUBTOTAL.....	33	32	1	33	---	---	---	---
	OPERATING SWITCHES OR DERAILS								
304T	Struck by moving on-track equipment	2	2	---	2	---	---	---	---
309T	Other acc/inc while operating switches/derails - equipment moving	11	10	---	10	1	---	---	---
	SUBTOTAL.....	13	12	---	12	1	---	---	---
	CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS								
401T	Persons on top locos/cars contacting fixed objects - equipment mov	3	2	---	2	---	---	---	1
402T	Persons on side/end of locos/cars contacting fixed objects - eqp mov	30	29	1	30	---	---	---	---
409T	Persons on loco/car coming in contact with fixed obj(other)-eqp mov	14	11	1	12	---	1	1	---
	SUBTOTAL.....	47	42	2	44	---	1	1	1
	GETTING ON OR OFF CARS OR LOCOMOTIVES								
501T	Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov	13	10	---	10	---	1	---	2
502T	Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov	23	18	1	19	---	---	1	3
503T	Stepping or tripping on parts of track in place - equipment moving	10	10	---	10	---	---	---	---
504T	Stepping or tripping on foreign material or irreg surface - eqp mov	29	28	1	29	---	---	---	---
505T	Slipping on ice or snow on ground - equipment moving	6	6	---	6	---	---	---	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	GETTING ON OR OFF CARS OR LOCOMOTIVES, (cont.)								
506T	Slipping on ice/snow on cars or locomotives - equipment moving	2	2	---	2	---	---	---	---
507T	Falling, slipping, tripping, not elsewhere classified - eqp moving	26	18	3	21	---	1	---	4
508T	Slipping/falling while boarding/alighting fm passenger eqp (moving)	7	---	2	2	---	5	---	---
510T	Striking body or falling due to sudden movement o equipment	14	6	5	11	1	2	---	---
511T	Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	20	10	8	18	1	1	---	---
513T	Jumping from equipment - equipment moving	37	18	1	19	---	12	3	3
514T	Defective equipment - equipment moving	4	4	---	4	---	---	---	---
519T	Other acc/inc while getting on or off cars or locos - equipment mov	41	30	1	31	---	1	---	9
	SUBTOTAL.....	232	160	22	182	2	23	4	21
	COLLISIONS, DERAILMENTS, ETC.($DMG BELOW THRESHOLD)								
601T	Casualty resulting fm a collision which did not satisfy $ threshold	26	19	2	21	---	---	1	4
602T	Casualty resulting fm a derailment which did not satisfy $ threshold	10	7	1	8	---	---	1	1
603T	Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	37	14	7	21	---	---	5	11
	SUBTOTAL.....	73	40	10	50	---	---	7	16
	RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609T	Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	1,350	30	6	36	1	2	1,070	241
610T	Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	117	1	---	1	---	---	101	15
	SUBTOTAL.....	1,467	31	6	37	1	2	1,171	256
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701T	Standing, walking or running on or along track - equipment moving	137	8	2	10	---	---	9	118
702T	Crossing track at private rail-highway crossing - equipment moving	6	---	2	2	2	---	1	1
703T	Crossing track not at a crossing - equipment moving	29	1	---	1	---	---	4	24
704T	While on public thoroughfare - equipment moving	2	---	---	---	---	---	2	---
705T	On bridges or trestles - equipment moving	10	---	---	---	---	---	---	10
706T	Sitting or lying on track or near track, not in clear - eqp moving	105	---	---	---	---	---	2	103
707T	While working on or along track - equipment moving	9	5	2	7	---	---	2	---
708T	Passing over, through, or under cars - equipment moving	48	---	---	---	---	---	2	46
709T	Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	68	1	---	1	---	---	4	63
	SUBTOTAL.....	414	15	6	21	2	---	26	365
	SERVICING OR MAINTENANCE OF EQUIPMENT								
803T	Striking or being struck by eqp, structures, or material-eqp mov	19	---	19	19	---	---	---	---
815T	Moving equipment for repairs	9	---	8	8	---	---	1	---
	SUBTOTAL.....	28	---	27	27	---	---	1	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	MAINTENANCE OF WAY AND STRUCTURES								
852T	Crossing over, under, or between locos or cars-eqp moving	2	---	2	2	---	---	---	---
853T	Striking or being struck by eqp, structures, or material-eqp mov	34	---	33	33	---	---	1	---
899T	Other accs/incs while maintaining way and structures - eqp moving	14	---	14	14	---	---	---	---
	SUBTOTAL.....	50	---	49	49	---	---	1	---
	FREIGHT, BAGGAGE, EXPRESS OR MAIL								
901T	Handling freight, baggage, express or mail-eqp moving	14	3	11	14	---	---	---	---
902T	Struck or caught by shifted lading-eqp moving	3	1	---	1	---	---	---	2
903T	Tripping over, or struck by falling baggage in passenger car-eqp mov	1	1	---	1	---	---	---	---
904T	Other acc/inc involving freight, baggage, express, or mail - eqp mov	1	---	1	1	---	---	---	---
	SUBTOTAL.....	19	5	12	17	---	---	---	2
	WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT								
907T	Opening/closing hopper or gondola hatches, end or bottom doors, eqp moving	1	---	1	1	---	---	---	---
908T	Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp mov	2	2	---	2	---	---	---	---
910T	Closing or opening plug type car doors, defective equipment-eqp mov	1	---	1	1	---	---	---	---
911T	Closing or opening plug type car doors, no defects-equipment mov	2	1	1	2	---	---	---	---
912T	Closing or opening coach trap doors-equipment moving	2	2	---	2	---	---	---	---
913T	Interior doors-equipment moving	31	12	8	20	---	11	---	---
914T	Opening or closing locomotive doors-equipment moving	7	5	1	6	---	1	---	---
915T	Opening or closing locomotive windows-equipment moving	2	2	---	2	---	---	---	---
916T	Opening or closing caboose doors-equipment moving	1	1	---	1	---	---	---	---
919T	Other accidents/incidents involving windows or doors-eqp mov	17	14	---	14	---	3	---	---
	SUBTOTAL.....	66	39	12	51	---	15	---	---
	PASSENGER CAR DOORS								
920T	Caught by side doors while entering coach-equipment moving	3	1	---	1	---	2	---	---
924T	Struck by side doors while entering coach-equipment moving	1	---	---	---	---	1	---	---
	SUBTOTAL.....	4	1	---	1	---	3	---	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
930T	Stumbling/slipping, etc. on snow or ice - equipment moving	5	4	1	5	---	---	---	---
931T	Stumbling/slipping, etc. on foreign mat./irregular surface-eqp mov	13	9	3	12	---	---	---	1
932T	Stumbling/slipping, etc. on parts of track in place-equipment moving	5	3	---	3	---	1	---	1
934T	Slip/fall, etc. between loco/car and other cars and struct-eqp mov	7	3	---	3	---	1	1	2
936T	From structures other than bridges or trestles-equipment moving	1	---	---	---	---	---	1	---
938T	While on locomotive or car-equipment moving	88	23	22	45	4	32	---	7
939T	Other, stumbling, slipping, falling, caught, etc. - equipment moving	12	2	3	5	---	1	2	4
	SUBTOTAL.....	131	44	29	73	4	35	4	15
	FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
940T	Foreign object in eye-equipment moving	18	14	3	17	---	1	---	---
941T	Struck by flying of falling object (except assaults)-eqp mov	25	7	5	12	---	13	---	---
942T	Electrical flash, shock, or burn-equipment moving	1	---	1	1	---	---	---	---
943T	Fire or explosion of fusees or torpedoes-equipment moving	1	1	---	1	---	---	---	---
944T	Other fire or explosion-equipment moving	1	1	---	1	---	---	---	---
945T	Burned by hot or corrosive substances-equipment moving	5	4	1	5	---	---	---	---
946T	Inhalation of or contact with fumes or gases-equipment moving	13	7	4	11	1	1	---	---
949T	Other A/I resulting from flying/falling objs, burns, etc. - eqp mov	8	1	2	3	---	5	---	---
	SUBTOTAL.....	72	35	16	51	1	20	---	---
	OPERATION OF ON-TRACK WORK EQUIPMENT								
950T	Collision with train or car	3	---	1	1	2	---	---	---
951T	Collision with other on-track work equipment	16	---	16	16	---	---	---	---
952T	Jumping from equipment in anticipation of a collision	1	---	1	1	---	---	---	---
953T	Derailment that does not satisfy monetary threshold	5	---	5	5	---	---	---	---
959T	Other A/I involving on-track work equipment - equipment moving	4	---	3	3	---	---	1	---
	SUBTOTAL.....	29	---	26	26	2	---	1	---
	ASSAULT								
96AT	Shot while on moving on-track equipment	6	6	---	6	---	---	---	---
96CT	Struck by other propelled object while on locomotive - equip moving	11	11	---	11	---	---	---	---
96DT	Struck by other propelled object while on car - equip moving	2	---	1	1	---	---	1	---
96ET	Struck by other propelled object while on caboose - equip moving	1	1	---	1	---	---	---	---
96GT	Other unprovoked assaults to persons on moving on-track equipment	3	2	1	3	---	---	---	---
	SUBTOTAL.....	23	20	2	22	---	---	1	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
OTHER OCCURRENCES									
971T	Loco or car coming against car placed for loading or unloading	2	2	---	2	---	---	---	---
972T	Sudden movement of car, not otherwise classified	52	11	15	26	1	21	1	3
974T	Slack action in caboose	1	1	---	1	---	---	---	---
975T	Slack action, other	20	17	3	20	---	---	---	---
976T	Emergency or severe application of air brakes due to def eqp	2	2	---	2	---	---	---	---
977T	Emergency or severe application of air brakes not due to def eqp	2	1	---	1	---	1	---	---
988T	Other accidents/incidents while in caboose, equipment moving	1	---	1	1	---	---	---	---
989T	Other accidents/incidents-equipment moving	22	6	3	9	1	6	4	2
	SUBTOTAL.....	102	40	22	62	2	28	5	5
	GRAND TOTAL.....	3,195	884	265	1,149	16	127	1,222	681

NOTE: Contractor employees are included with nontrespassers.

TABLE 68. ILLNESSES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Illness	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
002T	Adjusting coupler - equipment moving	1	1	---	1	---	---	---	---
009T	Other acc/inc while coupling/uncoupling cars or locos - equip moving	1	1	---	1	---	---	---	---
	SUBTOTAL.....	2	2	---	2	---	---	---	---
	OPERATING OR ON LOCOMOTIVES								
109T	Inhalation of or contact with fumes or gases - equipment moving	4	4	---	4	---	---	---	---
112T	Foreign object in eye - equipment moving	1	1	---	1	---	---	---	---
119T	Other accidents/incidents while operating locomotives - eqp moving	6	6	---	6	---	---	---	---
	SUBTOTAL.....	11	11	---	11	---	---	---	---
	GETTING ON OR OFF CARS OR LOCOMOTIVES								
519T	Other acc/inc while getting on or off cars or locos - equipment mov	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	COLLISIONS, DERAILMENTS, ETC.($DMG BELOW THRESHOLD)								
601T	Casualty resulting fm a collision which did not satisfy $ threshold	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609T	Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	2	2	---	2	---	---	---	---
	SUBTOTAL.....	2	2	---	2	---	---	---	---
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701T	Standing, walking or running on or along track - equipment moving	12	12	---	12	---	---	---	---
706T	Sitting or lying on track or near track, not in clear - eqp moving	1	1	---	1	---	---	---	---
	SUBTOTAL.....	13	13	---	13	---	---	---	---
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
938T	While on locomotive or car-equipment moving	2	---	2	2	---	---	---	---
	SUBTOTAL.....	2	---	2	2	---	---	---	---
	ASSAULT								
96GT	Other unprovoked assaults to persons on moving on-track equipment	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	OTHER OCCURRENCES								
988T	Other accidents/incidents while in caboose, equipment moving	1	---	1	1	---	---	---	---
989T	Other accidents/incidents-equipment moving	1	---	1	1	---	---	---	---
	SUBTOTAL.....	2	---	2	2	---	---	---	---
	GRAND TOTAL.....	35	31	4	35	---	---	---	---

NOTE: Contractor employees are included with nontrespassers.

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TABLE 69. FATALITIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Killed	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609	Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	4	---	---	---	---	---	3	1
610	Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp std	1	---	---	---	---	---	1	---
	SUBTOTAL.....	5	---	---	---	---	---	4	1
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701	Standing, walking or running on or along track - equipment standing	3	---	---	---	---	---	---	3
703	Crossing track not at a crossing - equipment standing	2	---	---	---	---	---	1	1
709	Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	2	---	---	---	---	---	---	2
	SUBTOTAL.....	7	---	---	---	---	---	1	6
	SERVICING OR MAINTENANCE OF EQUIPMENT								
803	Striking or being struck by eqp, structures, or material-eqp std	1	---	1	1	---	---	---	---
	SUBTOTAL.....	1	---	1	1	---	---	---	---
	MAINTENANCE OF WAY AND STRUCTURES								
853	Striking or being struck by eqp, structures, or material-eqp std	1	---	1	1	---	---	---	---
870	Electrical flash, shock, or burn	3	---	1	1	---	---	2	---
880	Handling rail by use of hand tools	1	---	1	1	---	---	---	---
	SUBTOTAL.....	5	---	3	3	---	---	2	---
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
935	From bridges or trestles	5	---	---	---	---	---	2	3
936	From structures other than bridges or trestles	2	---	---	---	---	---	2	---
939	Other, stumbling, slipping, falling, caught, etc.	1	1	---	1	---	---	---	---
	SUBTOTAL.....	8	1	---	1	---	---	4	3
	FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
942	Electrical flash, shock, or burn	2	---	---	---	---	---	1	1
947	Electrical injury due to contact with catenary, pantograph or 3rd rail	2	---	---	---	---	---	---	2
	SUBTOTAL.....	4	---	---	---	---	---	1	3
	ASSAULT								
96A	Shot while on standing on-track equipment	1	---	---	---	---	---	---	1
	SUBTOTAL.....	1	---	---	---	---	---	---	1
	OTHER OCCURRENCES								
978	Motor vehicle acc/inc (other than rail-highway grade crossing)	7	1	2	3	---	---	2	2
989	Other accidents/incidents	7	---	---	---	---	---	1	6
	SUBTOTAL.....	14	1	2	3	---	---	3	8
	GRAND TOTAL.....	45	2	6	8	---	---	15	22

NOTE: Contractor employees are included with nontrespassers

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TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
002	Adjusting coupler - equipment standing	38	34	4	38	---	---	---	---
003	Crossing over, under or between on-track equipment,equipment standing	6	6	---	6	---	---	---	---
004	Adjusting coupler, part of coupler fell striking person-eqp standing	9	8	1	9	---	---	---	---
005	Use of uncoupling lever - equipment standing	39	38	1	39	---	---	---	---
007	Striking parts of body against equipment - equipment standing	16	14	2	16	---	---	---	---
008	Stumbled,slipped,fell,stepped on foreign obj/irreg surface-eqp std	67	64	2	66	1	---	---	---
009	Other acc/inc while coupling/uncoupling cars or locos - equip std	36	33	3	36	---	---	---	---
	SUBTOTAL.....	211	197	13	210	1	---	---	---
	COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.								
051	Crossing over, under or between on-track equipment, equipment standing	4	4	---	4	---	---	---	---
052	Uncoupl air hose,struck by hose due to sudden release of air-eqp std	14	9	5	14	---	---	---	---
053	Coupling air hose,stk by hose due to sudden release of air - eqp std	12	11	1	12	---	---	---	---
054	Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp standing	31	24	7	31	---	---	---	---
055	Defective equipment - equipment standing	5	5	---	5	---	---	---	---
056	Burned by hot water or steam from hose - equipment standing	1	---	1	1	---	---	---	---
057	Opening or closing angle cocks - equipment stand	16	15	1	16	---	---	---	---
059	Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	68	52	16	68	---	---	---	---
	SUBTOTAL.....	151	120	31	151	---	---	---	---
	OPERATING OR ON LOCOMOTIVES								
101	Burn or electrical shock - equipment standing	9	7	2	9	---	---	---	---
102	Striking parts of body against equipment, moving about loco-eqp std	41	37	4	41	---	---	---	---
103	Struck by tools or other objects falling - equipment standing	15	8	6	14	---	---	1	---
104	Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std	87	74	12	86	---	---	1	---
105	Checking, oiling, servicing locomotive, etc. - equipment standing	20	13	7	20	---	---	---	---
109	Inhalation of or contact with fumes or gases - equipment standing	35	32	3	35	---	---	---	---
110	Defective locomotive seat - equipment standing	12	12	---	12	---	---	---	---
111	Adjusting locomotive seat - equipment standing	13	13	---	13	---	---	---	---
112	Foreign object in eye - equipment standing	19	18	1	19	---	---	---	---
119	Other accidents/incidents while operating locomotives - eqp standing	44	40	4	44	---	---	---	---
	SUBTOTAL.....	295	254	39	293	---	---	2	---
	OPERATING RAIL MOTORCARS								
151	Striking parts of body against equipment - equipment standing	4	3	---	3	---	---	1	---
153	Stumbled, slipped, fell or stepped on foreign obj etc., - eqp std	2	1	1	2	---	---	---	---
155	Placing or removing rail motorcar on or off rail	3	---	3	3	---	---	---	---
159	Other accidents/incidents while operating rail motorcars - eqp std	4	3	---	3	---	---	1	---
	SUBTOTAL.....	13	7	4	11	---	---	2	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	OPERATING HAND BRAKES								
200	Manipulating hand brakes, no defects, equipment standing	112	103	9	112	---	---	---	---
201	Defective equipment - equipment standing	21	21	---	21	---	---	---	---
202	Pawl slipping or accidentally knocked out of ratchet - eqp standing	2	1	1	2	---	---	---	---
203	Striking body not due to movement of equipment	2	2	---	2	---	---	---	---
205	Caught between parts of equipment or lading - equipment standing	2	2	---	2	---	---	---	---
206	Brake chains or bolts, breaking or giving way - equipment standing	4	4	---	4	---	---	---	---
207	Losing hold, slipping, or falling - equipment standing	28	27	1	28	---	---	---	---
208	Caught hand or fingers in spinning brake wheel - equipment standing	2	2	---	2	---	---	---	---
209	Other accidents/incidents while operating hand brakes - eqp standing	23	23	---	23	---	---	---	---
	SUBTOTAL.....	196	185	11	196	---	---	---	---
	OPERATING SWITCHES OR DERAILS								
301	Slipped, tripped or fell due to ice or snow	25	22	3	25	---	---	---	---
302	Slipped, tripped or fell not due to ice or snow	23	23	---	23	---	---	---	---
303	Parts of body struck or caught by mechanism of switch	17	16	1	17	---	---	---	---
305	Lining switches, defective equipment	74	67	7	74	---	---	---	---
306	Lining switches, no defects	230	212	17	229	1	---	---	---
307	Manipulating derail, no defects	16	12	4	16	---	---	---	---
309	Other acc/inc while operating switches/derails - equipment standing	57	43	13	56	1	---	---	---
	SUBTOTAL.....	442	395	45	440	2	---	---	---
	CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS								
401	Persons on top locos/cars contacting fixed objects - equipment std	2	---	2	2	---	---	---	---
402	Persons on side/end of locos/cars contacting fixed objects - eqp std	4	3	1	4	---	---	---	---
409	Persons on loco/car coming in contact with fixed obj(other)-eqp std	7	1	3	4	---	2	1	---
	SUBTOTAL.....	13	4	6	10	---	2	1	---
	GETTING ON OR OFF CARS OR LOCOMOTIVES								
501	Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp std	42	22	17	39	---	---	3	---
502	Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp std	102	65	28	93	---	8	1	---
503	Stepping or tripping on parts of track in place - equipment standing	25	19	6	25	---	---	---	---
504	Stepping or tripping on foreign material or irreg surface - eqp std	103	83	15	98	---	4	1	---
505	Slipping on ice or snow on ground - equipment standing	29	19	3	22	1	4	2	---
506	Slipping on ice/snow on cars or locomotives - equipment standing	18	15	1	16	---	2	---	---
507	Falling, slipping, tripping, not elsewhere classified - eqp std	64	44	6	50	---	5	9	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	GETTING ON OR OFF CARS OR LOCOMOTIVES, (cont.)								
508	Slipping/falling while boarding/alighting fm passenger eqp(standing)	128	15	12	27	---	100	1	---
511	Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp std	24	15	5	20	---	4	---	---
513	Jumping from equipment - equipment standing	4	1	---	1	---	1	---	2
514	Defective equipment - equipment standing	13	12	1	13	---	---	---	---
519	Other acc/inc while getting on or off cars or locos - equipment std	144	115	23	138	---	5	1	---
	SUBTOTAL.....	696	425	117	542	1	133	18	2
	RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609	Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	33	---	---	---	---	---	28	5
610	Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp std	1	---	---	---	---	---	1	---
	SUBTOTAL.....	34	---	---	---	---	---	29	5
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701	Standing, walking or running on or along track - equipment standing	3	1	---	1	---	---	1	1
703	Crossing track not at a crossing - equipment standing	2	---	---	---	---	---	1	1
708	Passing over, through, or under cars - equipment standing	5	1	2	3	---	---	---	2
709	Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	11	3	---	3	1	---	3	4
	SUBTOTAL.....	21	5	2	7	1	---	5	8
	SERVICING OR MAINTENANCE OF EQUIPMENT								
802	Crossing over, under, or between locos or cars - equipment standing	12	---	12	12	---	---	---	---
803	Striking or being struck by eqp, structures, or material-eqp std	104	1	103	104	---	---	---	---
804	Use of hand tools	165	2	162	164	---	---	1	---
805	Use of portable power tools	35	---	33	33	1	---	1	---
806	Use of welding equipment	18	---	18	18	---	---	---	---
807	Use of oxygen-acytelene, natural gas cuting equipment	21	---	21	21	---	---	---	---
808	Use of grinding equipment	16	1	14	15	---	---	1	---
809	Use of scaffolds, ladders, etc.	20	---	20	20	---	---	---	---
81A	Lifting parts to install while making repairs	78	1	77	78	---	---	---	---
810	Use of cranes, hoists, derricks, piledrivers, etc.	31	---	31	31	---	---	---	---
811	Use of lift trucks and other portable material handling eqp	35	---	35	35	---	---	---	---
812	Use of shop machinery not elsewhere classified	22	---	22	22	---	---	---	---
813	Loading and unloading materials	62	1	61	62	---	---	---	---
814	Handling material by hand	207	2	204	206	---	---	1	---
816	Inhalation of or contact with fumes or gases	11	1	10	11	---	---	---	---
817	Foreign object in eye, using eye protection	56	1	52	53	2	---	1	---
818	Foreign object in eye, not using eye protection	22	2	20	22	---	---	---	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	SERVICING OR MAINTENANCE OF EQUIPMENT, (cont.)								
819	Struck by flying or falling object	72	4	67	71	---	---	1	---
820	Electrical flash, shock, or burn	29	2	26	28	1	---	---	---
821	Fire or explosion of fusees or torpedoes	2	---	2	2	---	---	---	---
822	Other fire or explosion	1	---	1	1	---	---	---	---
823	Burned or irritated by hot, corrosive, or toxic substances	26	---	26	26	---	---	---	---
824	Stumbling, slipping, falling, caught, not elswhere classified	281	3	274	277	2	---	2	---
825	Other acc/inc while servicing or maintaining eqp-eqp std	241	12	226	238	3	---	---	---
	SUBTOTAL.....	1,567	33	1,517	1,550	9	---	8	---
	MAINTENANCE OF WAY AND STRUCTURES								
852	Crossing over, under, or between locos or cars-eqp std	2	---	2	2	---	---	---	---
853	Striking or being struck by eqp, structures, or material-eqp std	146	1	134	135	1	---	10	---
854	Use of hand tools	261	1	254	255	1	---	5	---
855	Use of portable power tools	110	1	103	104	1	---	5	---
856	Use of welding equipment	22	---	21	21	---	---	1	---
857	Use of oxygen-acytelene, natural gas cutting equipment	3	---	3	3	---	---	---	---
858	Use of grinding equipment	18	---	18	18	---	---	---	---
859	Use of scaffolds, ladders, etc.	25	---	24	24	---	---	1	---
860	Use of cranes, hoists, derricks, piledrivers, etc	32	---	31	31	---	---	1	---
861	Use of lift trucks and other portable material handling eqp	22	1	21	22	---	---	---	---
862	Use of shop machinery not elsewhere classified	10	---	10	10	---	---	---	---
863	Loading and unloading materials	159	2	152	154	1	---	4	---
864	Handling material by hand	286	3	272	275	---	---	11	---
866	Inhalation of or contact with fumes or gases	7	---	7	7	---	---	---	---
867	Foreign object in eye, using eye protection	36	---	33	33	1	---	2	---
868	Foreign object in eye, not using eye protection	13	3	10	13	---	---	---	---
869	Struck by flying of falling object	85	2	82	84	1	---	---	---
870	Electrical flash, shock, or burn	10	---	10	10	---	---	---	---
871	Fire or explosion of fusees or torpedoes	2	1	1	2	---	---	---	---
872	Other fire or explosion	7	---	7	7	---	---	---	---
873	Burned or irritated by hot, corrosive or toxic substances	12	---	12	12	---	---	---	---
874	Stumbling, slipping, falling, caught, not elsewhere classified	248	2	244	246	2	---	---	---
875	Use of maintenance of way equipment not elsewhere classified	32	---	32	32	---	---	---	---
876	Inserting or removing ties, switch timbers and tie plates by use of hand tools	50	---	49	49	---	---	1	---
877	Insert/remove ties, switch timbers and tie plates using portable power tools	14	---	14	14	---	---	---	---
878	Loading/unloading ties, switch timbers, tie plates and fastenings	37	1	36	37	---	---	---	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	MAINTENANCE OF WAY AND STRUCTURES, (cont.)								
879	Handling rail by use of power tools	8	1	7	8	---	---	---	---
880	Handling rail by use of hand tools	22	---	22	22	---	---	---	---
890	Handling/inserting/removing rail anchors (includes being struck by anchors)	36	---	36	36	---	---	---	---
891	Handling/inserting/removing track spikes (includes being struck by flying spike)	81	---	75	75	---	---	6	---
892	Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	40	---	40	40	---	---	---	---
893	Servicing or repairing MOW equipment at work site	61	1	59	60	---	---	1	---
899	Other accs/incs while maintaining way and structures - eqp standing	118	1	114	115	1	---	2	---
	SUBTOTAL.....	2,015	21	1,935	1,956	9	---	50	---
	FREIGHT, BAGGAGE, EXPRESS OR MAIL								
901	Handling freight, baggage, express or mail	89	10	77	87	1	---	1	---
902	Struck or caught by shifted lading	3	1	2	3	---	---	---	---
903	Tripping over, or struck by falling baggage in passenger car-eqp std	2	2	---	2	---	---	---	---
904	Other accident/incident involving freight, baggage, express, or mail	15	3	8	11	1	---	3	---
	SUBTOTAL.....	109	16	87	103	2	---	4	---
	WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT								
907	Opening/closing hopper or gondola hatches, end or bottom doors, eqp standing	11	2	8	10	---	---	1	---
908	Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp std	11	1	8	9	---	---	2	---
909	Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std	12	3	7	10	---	---	2	---
910	Closing or opening plug type car doors, defective equipment-eqp std	8	3	5	8	---	---	---	---
911	Closing or opening plug type car doors, no defects-equipment std	11	2	9	11	---	---	---	---
912	Closing or opening coach trap doors-equipment standing	26	21	4	25	1	---	---	---
913	Interior doors-equipment standing	17	9	4	13	---	4	---	---
914	Opening or closing locomotive doors-equipment standing	50	42	8	50	---	---	---	---
915	Opening or closing locomotive windows-equipment standing	13	12	1	13	---	---	---	---
918	Opening and closing other windows	4	1	---	1	---	2	1	---
919	Other accidents/incidents involving windows or doors	46	25	14	39	1	3	3	---
	SUBTOTAL.....	209	121	68	189	2	9	9	---
	PASSENGER CAR DOORS								
920	Caught by side doors while entering coach-equipment standing	3	---	---	---	---	3	---	---
921	Caught by side doors while exiting coach-equipment standing	3	---	---	---	---	3	---	---
924	Struck by side doors while entering coach-equipment standing	2	---	1	1	---	1	---	---
925	Struck by side doors while exiting coach-equipment standing	3	---	---	---	---	3	---	---
927	Striking side door while exiting coach-equipment standing	1	---	---	---	---	1	---	---
	SUBTOTAL.....	12	---	1	1	---	11	---	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
930	Stumbling/slipping, etc. on snow or ice	295	98	101	199	37	4	55	---
931	Stumbling/slipping, etc. on foreign material or irregular surface	373	197	126	323	19	5	26	---
932	Stumbling/slipping, etc. on parts of track in place	96	43	43	86	1	1	4	4
933	Stumbling/slipping, etc. on stairways, ramps or platforms	350	23	100	123	15	29	182	1
934	Slip/fall, etc. between loco/car and other cars and struct-eqp std	32	6	5	11	---	19	2	---
935	From bridges or trestles	18	4	4	8	1	---	3	6
936	From structures other than bridges or trestles	8	---	8	8	---	---	---	---
937	Into depressions	56	28	21	49	1	---	6	---
938	While on locomotive or car-equipment standing	70	18	27	45	---	11	12	2
939	Other, stumbling, slipping, falling, caught, etc.	126	41	40	81	10	6	27	2
	SUBTOTAL.....	1,424	458	475	933	84	75	317	15
	FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
940	Foreign object in eye	58	34	19	53	4	---	1	---
941	Struck by flying of falling object (except assaults)	65	17	26	43	2	1	19	---
942	Electrical flash, shock, or burn	9	5	1	6	---	---	1	2
944	Other fire or explosion	10	6	1	7	---	---	2	1
945	Burned by hot or corrosive substances	10	4	4	8	---	---	1	1
946	Inhalation of or contact with fumes or gases	28	14	12	26	1	1	---	---
947	Electrical injury due to contact with catenary, pantograph or 3rd rail	6	---	---	---	---	---	1	5
949	Other acc/inc resulting from flying/falling objs, burns, etc.	8	1	5	6	1	---	1	---
	SUBTOTAL.....	194	81	68	149	8	2	26	9
	OPERATION OF ON-TRACK WORK EQUIPMENT								
954	Getting on/off on-track work equipment - equipment standing	28	1	26	27	1	---	---	---
959	Other A/I involving on-track work equipment - equipment standing	19	1	16	17	2	---	---	---
	SUBTOTAL.....	47	2	42	44	3	---	---	---
	ASSAULT								
96C	Struck by other propelled object while on locomotive - equip standing	6	6	---	6	---	---	---	---
96D	Struck by other propelled object while on car - equip standing	1	1	---	1	---	---	---	---
96F	Struck by other propelled object, not on on-track equipment	2	---	2	2	---	---	---	---
96G	All other unprovoked assaults	55	22	19	41	4	2	7	1
96K	Shooting incidents that did not involve persons on on-track equipment	1	1	---	1	---	---	---	---
96L	Other assaults connected with the protection of RR property - eqp standing	16	2	12	14	---	---	2	---
96M	All other assaults not involving moving on-track equipment	28	5	18	23	---	3	1	1
96N	Injuries sustained by ther perpetrator of an assault	7	2	2	4	---	---	2	1
	SUBTOTAL.....	116	39	53	92	4	5	12	3

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	OTHER OCCURRENCES								
970	Performing rerailing or other clearing operations	12	1	11	12	---	---	---	---
978	Motor vehicle acc/inc (other than rail-highway grade crossing)	444	112	216	328	60	---	51	5
979	Servicing and maintenance of highway vehicles	6	---	3	3	1	---	2	---
980	Horseplay	8	2	4	6	1	---	1	---
981	Animal bites, including snake bites	5	1	4	5	---	---	---	---
982	Insect bites	60	16	39	55	3	---	2	---
983	Incidents occurring in office setting involving clerical, staff, etc., personnel	166	3	156	159	5	---	2	---
984	Contact with poisonous plants	2	---	2	2	---	---	---	---
985	Stepping on nails or other sharp objects	26	17	8	25	---	---	1	---
988	Other accidents/incidents while in caboose, equipment standing	5	1	3	4	---	1	---	---
989	Other accidents/incidents	319	91	131	222	13	11	66	7
	SUBTOTAL.....	1,053	244	577	821	83	12	125	12
	GRAND TOTAL.....	8,818	2,607	5,091	7,698	209	249	608	54

NOTE: Contractor employees are included with nontrespassers.

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1996

	Occurrence	Total Illness	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.								
059	Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	3	3	---	3	---	---	---	---
	SUBTOTAL.....	3	3	---	3	---	---	---	---
	OPERATING OR ON LOCOMOTIVES								
105	Checking, oiling, servicing locomotive, etc. - equipment standing	1	---	1	1	---	---	---	---
109	Inhalation of or contact with fumes or gases - equipment standing	7	7	---	7	---	---	---	---
119	Other accidents/incidents while operating locomotives - eqp standing	1	1	---	1	---	---	---	---
	SUBTOTAL.....	9	8	1	9	---	---	---	---
	OPERATING SWITCHES OR DERAILS								
306	Lining switches, no defects	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	GETTING ON OR OFF CARS OR LOCOMOTIVES								
507	Falling, slipping, tripping, not elsewhere classified - eqp std	1	---	1	1	---	---	---	---
	SUBTOTAL.....	1	---	1	1	---	---	---	---
	STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
709	Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	1	1	---	1	---	---	---	---
	SUBTOTAL.....	1	1	---	1	---	---	---	---
	SERVICING OR MAINTENANCE OF EQUIPMENT								
804	Use of hand tools	3	---	3	3	---	---	---	---
805	Use of portable power tools	10	---	10	10	---	---	---	---
806	Use of welding equipment	3	---	3	3	---	---	---	---
814	Handling material by hand	2	---	2	2	---	---	---	---
816	Inhalation of or contact with fumes or gases	1	---	1	1	---	---	---	---
823	Burned or irritated by hot, corrosive, or toxic substances	1	---	1	1	---	---	---	---
825	Other acc/inc while servicing or maintaining eqp-eqp std	9	---	9	9	---	---	---	---
	SUBTOTAL.....	29	---	29	29	---	---	---	---

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1996

	Occurrence	Total Illness	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen-gers	Nontres-passers	Tres-passers
	MAINTENANCE OF WAY AND STRUCTURES								
854	Use of hand tools	2	---	2	2	---	---	---	---
855	Use of portable power tools	1	---	1	1	---	---	---	---
856	Use of welding equipment	1	---	1	1	---	---	---	---
863	Loading and unloading materials	1	---	1	1	---	---	---	---
864	Handling material by hand	3	---	3	3	---	---	---	---
866	Inhalation of or contact with fumes or gases	1	---	1	1	---	---	---	---
871	Fire or explosion of fusees or torpedoes	1	---	1	1	---	---	---	---
873	Burned or irritated by hot, corrosive or toxic substances	1	---	1	1	---	---	---	---
874	Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---	---	---
892	Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	1	---	1	1	---	---	---	---
893	Servicing or repairing MOW equipment at work site	1	---	1	1	---	---	---	---
899	Other accs/incs while maintaining way and structures - eqp standing	9	---	9	9	---	---	---	---
	SUBTOTAL.....	23	---	23	23	---	---	---	---
	STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
938	While on locomotive or car-equipment standing	1	---	1	1	---	---	---	---
	SUBTOTAL.....	1	---	1	1	---	---	---	---
	FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
945	Burned by hot or corrosive substances	1	---	1	1	---	---	---	---
946	Inhalation of or contact with fumes or gases	2	---	2	2	---	---	---	---
949	Other acc/inc resulting from flying/falling objs, burns, etc.	1	---	1	1	---	---	---	---
	SUBTOTAL.....	4	---	4	4	---	---	---	---
	ASSAULT								
96G	All other unprovoked assaults	4	3	1	4	---	---	---	---
	SUBTOTAL.....	4	3	1	4	---	---	---	---
	OTHER OCCURRENCES								
982	Insect bites	8	1	6	7	1	---	---	---
983	Incidents occurring in office setting involving clerical, staff, etc., personnel	12	---	12	12	---	---	---	---
984	Contact with poisonous plants	6	---	6	6	---	---	---	---
989	Other accidents/incidents	20	7	11	18	---	---	2	---
	SUBTOTAL.....	46	8	35	43	1	---	2	---
	GRAND TOTAL.....	122	24	95	119	1	---	2	---

NOTE: Contractor employees are included with nontrespassers

APPENDIX A

REPORTABILITY

REQUIREMENTS

AND

DEFINITIONS

REPORTABILITY REQUIREMENTS

The rules governing the monthly reporting of railroad accidents/incidents in effect at the end of the 1996 define a reportable accident/incident as an event arising from the operation of a railroad which, with minor exceptions results in one or more of the following circumstances:

(a) **Any impact between railroad on-track equipment and an automobile, bus, truck, motorcycle, bicycle, farm vehicle, pedestrian, or other highway user at a highway-rail crossing;**

(b) **Any collision, derailment, fire, explosion, act of God, or other event involving the operation of railroad on-track equipment, standing or moving, which results in more than $6,300 in damages to railroad on-track equipment, signals, track, track structures, and roadbed; and**

(c) **Any event arising from the operation of a railroad which results in:**

- **(i)** **the death of one or more persons;**
- **(ii)** **an injury to one or more employee which requires medical treatment or results in: restriction of work or motion for one or more days, or one or more lost work days; transfer to another job; termination of employment; or loss of consciousness; or**
- **(iii)** **any occupational illness of a railroad employee as diagnosed by a physician.**

DEFINITIONS

Accident. See "train Accident".

Car. A railway car designed to carry freight, railroad personnel, or passengers. This includes boxcars, covered hopper cars, flatcars, refrigerator cars, gondola cars, hopper cars, tank cars, cabooses, stock cars, ventilation cars, and special cars. It also includes on-track maintenance equipment.

Casualty. A fatality, a nonfatal injury, or an occupational illness resulting from railroad operations.

Class I Railroad. As defined by the Surface Transportation Board, U.S. Class I Railroads are those with average annual operating revenues of $253.7 million or more.

Consist. On-track railroad equipment such as a train, locomotive, group of railcars, or a single railcar not coupled to another car or to a locomotive.

Contractor Employee. A person employed by a contractor hired by a railroad to perform normal maintenance work to railroad rolling stock, track structure, bridges, buildings, etc.

Derailment. A derailment occurs when one or more than one unit of rolling stock equipment leaves the rails during train operations for a cause other than collision, explosion, or fire.

Employee. A person engaged in railroad operations who works for a railroad company in return for financial compensation.

Employee Not On Duty. A railroad employee who is on railroad property for a purpose connected with his or her employment or with other railroad permission, but who is not engaged in rail operations for financial or other compensation.

Fatality. The death of a person resulting from an injury incurred during railroad operations or resulting from an occupational illness, if death occurs within 365 days of initial diagnosis.

Group II Railroads. Railroads, excluding Class I, with an annual accumulation of over 400,000 employee hours worked.

Hazardous Materials. Any toxic substance, explosive, corrosive material, combustible material, poison, or radioactive material that poses a risk to the public's health, safety, or property when transported in commerce.

Highway-rail Crossing. A location where one or more railroad tracks intersect a public or private thoroughfare, a sidewalk, or a pathway.

Human Factor. Behavior affecting elements of railroad employee job performance.

Locomotive. A self-propelled unit of on-track equipment designed for moving other rail freight and passenger equipment on railroad tracks, including self-propelled units.

Locomotive-mile. The movement of a locomotive under its own power the distance of one mile.

Main Track. Any track other than auxiliary track that extends through railroad yards or between stations and over which trains operate by time-table and/or train orders or the use of the track is governed by a signal system.

Man-hour. An industrial unit of production reflecting paid labor hours.

Nonfatal Casualty. Injuries and occupational illnesses incurred during railroad operations and maintenance procedures.

Non-train Incident. An event arising from railroad operations but not from the movement of on-track equipment, which does not exceed the reporting threshold, and results in a death, a reportable injury, or a reportable occupational illness.

Nontrespassers. A person who is lawfully on any part of railroad property which is used in railroad operations or a person who is adjacent to railroad premises when injured as the result of railroad operations.

Occupational Illness. Any abnormal condition or disorder caused by environmental factors associated with a worker's employment, but not the result of an injury.

On-track Equipment. Railroad rolling stock used to transport freight or passengers. Includes locomotives, railroad cars, maintenance equipment, and one or more locomotives coupled to one or more cars.

Operating Practice. Railroad employment performance and adherence to the established operating rules of a railroad company.

Passenger. A person who is on, boarding, or alighting from a railroad car for the purpose of travel, without participating in its operation.

Public Crossing. A location open to public travel where railroad track intersect a roadway that is under the jurisdiction and maintenance of a public authority.

Railroad. Any surface transportation system that carries passengers, goods, materials, or property over rails.

Reporting Threshold. The level of railroad property damage, resulting from a train accident involving on-track equipment, over which a railroad company must report the accident to the Federal Railroad Administration. Reportable damages include the cost of labor and the cost of repairing (or replacing in kind) damaged on-track equipment, track, track structures, or roadbed.

Revenue Ton-miles. Revenue freight traffic measured in ton-miles.

Tank Car. A railroad car consisting of a large cylindrical container attached to the railcar truck and used to transport liquids in bulk.

Ton-mile. A unit of measure equal to the movement of one ton of railroad lading for a distance of one mile.

Train. Locomotive unit or units, with or without cars, involved in railroad operations.

Train Accident. A collision, derailment, or other event involving the operation of railroad on-track equipment resulting in damages that exceed the reporting threshold.

Train Incident. Any event involving the movement of railroad on-track equipment that results in a death, a reportable injury, or a reportable illness, but in which railroad property damage does not exceed the reporting threshold.

Trainmen. Persons employed as engineers and motormen, firemen and helpers, conductors, brakemen, and flagmen engaged in passenger, freight, yard or work service, and train baggagemen. Prior to 1984 this category did not include hostlers. The Interstate Commerce Commission revised the occupational groupings in 1984 and now includes hostlers in the train and engine category.

Train-mile. A unit of comparative measure equal to the movement of one train for a distance of one mile.

Trespasser. Any person whose presence on railroad property, used in railroad operation, is prohibited or unlawful.

APPENDIX B

REPORTING

FORMS

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

RAILROAD INJURY AND ILLNESS SUMMARY

Form Approved
OMB No. 2130-0500

1. NAME OF REPORTING RAILROAD	2. ALPHABETIC CODE	3. REPORT MONTH & YEAR	4. STATE ALPHABETIC CODE	5. COUNTY

NAME OF REPORTING OFFICER	OFFICIAL TITLE
ADDRESS	TELEPHONE *(Area Code) (Number)*

6.

I, _____ *(Name of Affiant)*, being first duly sworn, do say upon my oath that I am _____ *(Title of Office held by affiant)*, of the railroad aforesaid and as such officer of the said railroad it is my duty to have supervision over the record of reportable incidents arising from the operation of the said railroad, and that I have caused to be compiled from the said record and to be carefully examined the annexed report of such incidents occurring during the month named at the head of this sheet; and that the said report is true and complete to the best of my knowledge and belief.

Subscribed and sworn to before me, a notary public in and for the State and County aforesaid, this _____ day of _____, 19 _____.

(Use an impression seal) [L.S] _____ *(Notary Public)*

_____ *(Signature of affiant)*

7. MILES RUN DURING MONTH

A. LOCOMOTIVE TRAIN MILES	B. MOTOR TRAIN MILES	C. YARD SWITCHING MILES	D. TOTAL

8.

A. EMPLOYEE MANHOURS WORKED	B. PASSENGER MILES OPERATED	C. NUMBER OF PASSENGERS TRANSPORTED

TOTAL TRAIN ACCIDENTS	TOTAL FRA FORMS 6180-55A	TOTAL FRA FORMS 6180-54	TOTAL FRA FORMS 6180-57

SECTION A—RECAPITULATION OF ALL CASUALTIES *INCLUDING* HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES								CLASS OF PERSON FOR SECTIONS A AND B	SECTION B—RECAPITULATION OF ALL HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES							
TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL			TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL	
Kld	Inj	Kld	Inj	Kld	Inj	Kld	Inj		Kld	Inj	Kld	Inj	Kld	Inj	Kld	Inj
								1. Employees on duty								
								2. Employees not on duty								
								3. Passengers on trains								
								4. Other nontrespassers								
								5. Trespassers (all classes)								
								6. Contractor Employees								
								7. GRAND TOTAL								

SECTION C—MEMORANDUM—SUBSEQUENT FATALITIES DEVELOPED FROM REPORTED CASUALTIES

LINE NO.	ACCIDENT/INCIDENT NUMBER	TYPE PERSON OR JOB CODE	DATE OF INJURY	DATE OF DEATH	STATE
1.					
2.					
3.					
4.					

FORM FRA F 6180-55 (8-76) REPLACES FORM FRA F 6180-55 (12-74) WHICH IS OBSOLETE.

This report is required by law (45 USC 40). Failure to report can result in the imposition of civil penalties.

U.S. Department of Transportation
Federal Railroad Administration

RAILROAD INJURY AND ILLNESS SUMMARY
(CONTINUATION SHEET)

FORM APPROVED
OMB NO. 2130-0500

SHEET ____ OF ____

1. NAME OF REPORTING RAILROAD	2. ALPHABETIC CODE	3. REPORT MONTH

9.

CASUALTIES (*Cont.*)

a. ACCIDENT/ INCIDENT NUMBER	b. TYPE PERSON OR JOB CODE	c. INJURY OR ILLNESS CODE	d. OCCURRENCE CODE	e. AGE	f. NUMBER OF DAYS AWAY FROM WORK	g. NUMBER OF DAYS OF RESTRICTED ACTIVITY	h. CASES WITH-OUT LOST WORK DAYS	i. STATE ALPHABETIC CODE

FORM FRA F 6180-55a (Rev. 1-88)

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT

FORM APPROVED
OMB NO.2130-0002

1. NAME OF REPORTING RAILROAD — Amtrak ☐ Autotrain ☐ | 1a. Alphabetic Code | 1b. Railroad Accident/Incident No.

2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT | 2a. Alphabetic Code | 2b. Railroad Accident/Incident No.

3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE *(single entry)* | 3a. Alphabetic Code | 3b. Railroad Accident/Incident No.

4. U. S. DOT-AAR GRADE CROSSING IDENTIFICATION NUMBER | 5. DATE OF ACCIDENT/INCIDENT — month | day | year | 6. TIME OF ACCIDENT/INCIDENT — am ☐ pm ☐

7. TYPE OF ACCIDENT/INCIDENT *(enter number in code box, single entry)* — CODE
1. Derailment 2. Head on collision 3. Rear end collision 4. Side collision 5. Raking collision 6. Broken train collision 7. Rail-Hwy crossing 8. RR grade crossing 9. Obstruction 10. Explosion-Detonation 11. Fire or violent rupture 12. Other *(specify)*

HAZARDOUS MATERIALS *(number of)*

8. CARS CARRYING | 9. CARS DAMAGED OR DERAILED | 10. CARS WHICH RELEASED HAZ. MAT. | 11. PEOPLE EVACUATED *(est.)*

LOCATION

12. DIVISION | 13. NEAREST STATION | 14. MILEPOST *(to nearest tenth)* | 15. STATE *(two letter code)* — CODE

ENVIRONMENTAL CONDITIONS

16. TEMPERATURE *(specify if minus)* °F | 17. VISIBILITY *(single entry)* — CODE
1. Dawn 2. Day 3. Dusk 4. Dark | 18. WEATHER *(single entry)* — CODE
1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow

OPERATIONAL DATA

19. METHOD *(place X in appropriate box(es))*
1 ☐ Manual block
2 ☐ Interlocking
3 ☐ Cab signal
4 ☐ Automatic block
5 ☐ Traffic control
6 ☐ Auto. train stop
7 ☐ Yard rules
8 ☐ Time table
9 ☐ Radio
10 ☐ Auto. train control
11 ☐ Verbal permission
12 ☐ Train orders
13 ☐ Other *(specify)*

20. SPEED *(recorded speed, if available)* MPH — Est. ☐ Recorded ☐ | 21. TRAIN NUMBER | 22. TIME TABLE DIRECTION — CODE
1. North 2. South 3. East 4. West

EQUIPMENT

23. TRAILING TONS *(gross tonnage, excluding power units)* | 24. TYPE OF EQUIPMENT CONSIST *(single entry)* — CODE
1. Freight train 2. Passenger train 3. Mixed train 4. Work train 5. Single car 6. Cut of cars 7. Yard/switching 8. Light loco(s) | 25. WAS THE EQUIPMENT IDENTIFIED IN ITEM 24 UNATTENDED? — CODE
1. Yes 2. No

26. TRACK NUMBER OR NAME | 27. FRA TRACK CLASSIFICATION | 28. ANNUAL TRACK DENSITY *(gross tons in millions)* | 29. TYPE OF TRACK — CODE
1. Main 2. Yard 3. Siding 4. Industry

30. PRINCIPLE CAR/UNIT	30a. Initial and Number	30b. Position in Train	30c. Loaded *(yes or no)*
(1) First Involved *(derailed, struck, striking, etc.)*			
(2) Causing *(mechanical failures)*			

31. LOCOMOTIVE UNITS *(no. of)*	a. Head End	Mid Train b. Manual	Mid Train c. Remote	Rear End d. Manual	Rear End e. Remote
(1) Total in Train					
(2) Total Derailed					

32. CARS *(no. of)*	Loaded a. Freight	Loaded b. Pass.	Empty c. Freight	Empty d. Pass.	e. Caboose
(1) Total in Equipment Consist					
(2) Total Derailed					

PROPERTY DAMAGE *(estimated cost, including labor, to repair or replace)*

33. EQUIPMENT DAMAGE *(to be reported for this equipment consist only)* $ | 34. TRACK, SIGNAL, WAY AND STRUCTURES DAMAGE *(to be reported by railroad in item 3 only)* $

ACCIDENT/INCIDENT CAUSE CODE

35. PRIMARY CAUSE — CODE | 36. CONTRIBUTING CAUSE — CODE | 37. If no code available, explain cause.

CASUALTIES

38. NUMBER OF PERSONS INJURED | 39. ESTIMATED TOTAL DAYS DISABILITY | 40. NUMBER OF FATALITIES

CREW *(no. of)*

41. ENGINEERS | 42. FIREMEN | 43. CONDUCTORS | 44. BRAKEMEN

HOURS ON DUTY

45. ENGINEER — Hrs: Mins: | 46. CONDUCTOR — Hrs: Mins:

47. TYPED NAME AND TITLE | 48. SIGNATURE | 49. DATE

50. NARRATIVE DESCRIPTION — *Describe the cause, nature and circumstances of accident/incident*

FORM FRA F 6180-54 (12-74) REPLACES FORM FRA F 6180-15 (11-72) WHICH IS OBSOLETE

GPO : 1980 O - 333-811

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

RAIL-HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT REPORT

FORM APPROVED
OMB NO. 04R4033

1. NAME OF REPORTING RAILROAD — Amtrak ☐ Autotrain ☐ | 1a. Alphabetic Code | 1b. Railroad Accident/Incident No.

2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT | 2a. Alphbetic Code | 2b. Railroad Accident/Incident No.

3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE *(single entry)* | 3a. Alphabetic Code | 3b. Railroad Accident/Incident No.

4. U.S. DOT-AAR GRADE CROSSING IDENTIFICATION NUMBER | 5. DATE OF ACCIDENT/INCIDENT month day year | 6. TIME OF ACCIDENT/INCIDENT am ☐ pm ☐

LOCATION

7. NEAREST RAILROAD STATION | 8. COUNTY | 9. STATE *(two letter code)* CODE

10. CITY *(if in a city)* | 11. HIGHWAY NAME OR NUMBER *(if private crossing, so state)*

ACCIDENT/INCIDENT SITUATION

HIGHWAY USER INVOLVED

12. TYPE — 1. Auto 2. Truck 3. Truck-Trailer 4. Bus 5. School Bus 6. Motorcycle 7. Pedestrian 8. Other *(specify)* — CODE

13. SPEED *(estimated mph at impact)*

14. DIRECTION *(geographical)* — 1. North 2. South 3. East 4. West — CODE

15. POSITION — 1. Stalled on crossing 2. Stopped on crossing 3. Moving over crossing — CODE

RAILROAD EQUIPMENT INVOLVED

16. EQUIPMENT — 1. Train *(units pulling)* 2. Train *(units pushing)* 3. Train *(standing)* 4. Car(s) *(moving)* 5. Car(s) *(standing)* 6. Light loco(s) *(moving)* 7. Light loco(s) *(standing)* 8. Other *(specify)* — CODE

17. POSITION OF CAR/UNIT IN TRAIN — CODE

18. CIRCUMSTANCE — 1. Train struck highway user 2. Train struck by highway user — CODE

19. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway user 2. Rail equipment 3. Both 4. Neither — CODE

ENVIRONMENT

20. TEMPERATURE *(specify, if minus)* °F

21. VISIBILITY *(single entry)* — 1. Dawn 2. Day 3. Dusk 4. Dark — CODE

22. WEATHER *(single entry)* — 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow — CODE

TRAIN AND TRACK

23. TYPE OF TRAIN — 1. Freight 2. Passenger 3. Mixed 4. Work 5. Yard/Switching 6. Light Locomotive(s) — CODE

24. TRACK TYPE USED BY TRAIN INVOLVED — 1. Main 2. Yard 3. Siding 4. Industry — CODE

25. TRACK NUMBER OR NAME

26. FRA TRACK CLASSIFICATION

27. NUMBER OF LOCOMOTIVE UNITS

28. NUMBER OF CARS

29. TRAIN SPEED *(recorded speed, if available)* MPH Est ☐ Recorded ☐

30. TIME TABLE DIRECTION — 1. North 2. South 3. East 4. West — CODE

CROSSING WARNING

31. TYPE *(place X in appropriate box(es))*

1	☐ Gates	5	☐ Hwy. Traffic Signals	9	☐ Watchman
2	☐ Cantilever FLS	6	☐ Audible	10	☐ Flagged by crew
3	☐ Standard FLS	7	☐ Crossbucks	11	☐ Other *(specify)*
4	☐ Wig Wags	8	☐ Stop Signs	12	☐ None

32. SIGNALED CROSSING WARNING — Was the signaled crossing warning identified in item 31 operating? 1. Yes 2. No — CODE

33. LOCATION OF WARNING — 1. Both sides 2. Side of vehicle approach 3. Opposite side of vehicle approach — CODE

34. CROSSING WARNING INTERCONNECTED WITH HIGHWAY SIGNALS — 1. Yes 2. No 3. Unknown — CODE

35. CROSSING ILLUMINATED BY STREET LIGHTS OR SPECIAL LIGHTS — 1. Yes 2. No 3. Unknown — CODE

MOTORIST ACTION

36. MOTORIST PASSED STANDING HIGHWAY VEHICLE — 1. Yes 2. No 3. Unknown — CODE

37. MOTORIST DROVE BEHIND OR IN FRONT OF TRAIN AND STRUCK OR WAS STRUCK BY SECOND TRAIN — 1. Yes 2. No 3. Unknown — CODE

38. MOTORIST — 1. Drove around or thru the gate 2. Stopped and then proceeded 3. Did not stop 4. Other *(specify)* 5. Unknown — CODE

39. VIEW OF TRACK OBSCURED BY *(primary obstruction)* — 1. Permanent structure 2. Standing railroad equipment 3. Passing train 4. Topography 5. Vegetation 6. Highway vehicles 7. Other *(specify)* 8. Not obstructed — CODE

HIGHWAY VEHICLE PROPERTY DAMAGE/CASUALTIES

40. HIGHWAY VEHICLE PROPERTY DAMAGE *(est. dollar damage)*

41. DRIVER WAS — 1. Killed 2. Injured 3. Uninjured — CODE

42. WAS DRIVER IN THE VEHICLE? — 1. Yes 2. No — CODE

43. TOTAL NUMBER OF OCCUPANTS KILLED

44. TOTAL NUMBER OF OCCUPANTS INJURED

45. TOTAL NUMBER OF OCCUPANTS *(include driver)*

46. IS A RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT BEING FILED? 1. Yes 2. No — CODE

47. TYPED NAME AND TITLE | 48. SIGNATURE | 49. DATE

FORM FRA F 6180-57 (12-74) REPLACES FORM FRA F 6180-13 (10-67) WHICH IS OBSOLETE

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB APPROVAL NO.
04-R4037

ANNUAL SUMMARY REPORT of RAILROAD INJURY AND ILLNESS

(Covering Calendar Year _____)

COMPLETE THIS REPORT WHETHER OR NOT THERE WERE ANY REPORTABLE OCCUPATIONAL INJURIES OR ILLNESSES. READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

I. ESTABLISHMENTS INCLUDED IN THIS REPORT

This report should include all establishments located in, or identified by, the reporting railroad. Enter the number of establishments (see definition in the FRA Guide).

_____

II. AVERAGE EMPLOYMENT IN REPORTING YEAR

Enter the average number of employees during calendar year. Count all classes of employees, including seasonal, temporary, part-time, etc. See instructions in the FRA Guide for examples of computing your average employment.

_____ (Round to the nearest whole number)

III. TOTAL HOURS WORKED IN REPORTING YEAR

Enter the total number of hours actually worked by all employees. DO NOT include any non-work time even though paid, such as vacations, sick leave, holidays, etc.

_____ (Round to the nearest whole number)

IV. REPORTABLE INJURIES AND ILLNESSES

Did you have any reportable injuries or illnesses during the reporting year? (Check one)

(1) ☐ No - complete Section VII,

(2) ☐ Yes - complete Sections V, VI and VII.

V. MONTHLY DATA OF REPORTABLE INJURIES AND ILLNESSES

Of the Total Reportable Occupational Injuries and Illnesses (Section VI, Line 10 column 1), how many occurred in the following months?

Calendar Year

Jan. _____	Apr. _____	July _____	Oct. _____
Feb. _____	May _____	Aug. _____	Nov. _____
Mar. _____	June _____	Sept. _____	Dec. _____

CORPORATE NAME AND MAILING ADDRESS OF REPORTING RAILROAD →

Name	Alphabetic Railroad Code (See FRA Guide, Appendix A)
STREET	
CITY / STATE / ZIP CODE	

FORM FRA F6180-45 (7-76)
PREVIOUS EDITIONS ARE OBSOLETE.

This report is required by regulation (49 CFR 225). Failure to report can result in the imposition of civil penalties.

VI. INJURY AND ILLNESS SUMMARY (Covering Calendar Year _____)

INSTRUCTIONS:

- This section may be completed by Copying data from the "Annual Summary" which you are required to complete and post in your establishment.
- Leave Section VI blank if there were no reportable injuries or illnesses during the reporting year.
- Line 9 – Add all Occupational Illnesses (Lines 2 through 8) and enter on this line for each column (1) through (8).
- Line 10 - Add Occupational Injuries (Line 1) and the sum of all Occupational Illnesses (Line 9) and enter on this line for each column (1) through (8).

LINE		INJURY AND ILLNESS CATEGORY	TOTAL CASES (1)	DEATHS (2)	LOST WORKDAY CASES ONLY: Total lost workday cases (includes restricted workday cases) (3)	Cases involving days away from work (4)	Days away from work (5)	Days of restricted work activity (6)	NONFATAL CASES WITHOUT LOST WORKDAYS (7)	TERMINATIONS OR PERMANENT TRANSFERS (8)
1		OCCUPATIONAL INJURIES								
2	OCCUPATIONAL ILLNESSES	Occupational Skin Diseases or Disorders								
3		Dust Diseases of the Lungs								
4		Respiratory Conditions Due to Toxic Agents								
5		Poisoning (Systemic Effects of Toxic Materials)								
6		Disorders Due to Physical Agents								
7		Disorders Associated With Repeated Trauma								
8		All Other Occupational Illnesses								
9		TOTAL OCCUPATIONAL ILLNESSES (Add Lines 2 through 8)								
10		TOTAL OCCUPATIONAL INJURIES AND ILLNESSES (Add Lines 1 and 9)								

VII. COMMENTS: _____

Report prepared by: _____ Area Code and Phone: _____

Title: _____ Date: _____

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

FORM APPROVED
OMB NO 04R4034

ANNUAL RAILROAD REPORT OF MANHOURS BY STATE

1. REPORTING RAILROAD	ALPHABETIC CODE	2. REPORT YEAR

3 ANNUAL MANHOURS

A. STATE	B. CODE	C. M/HRS.	A. STATE	B. CODE	C. M/HRS
(1) ALABAMA	AL		(26) MONTANA	MT	
(2) ALASKA	AK		(27) NEBRASKA	NE	
(3) ARIZONA	AZ		(28) NEVADA	NV	
(4) ARKANSAS	AR		(29) NEW HAMPSHIRE	NH	
(5) CALIFORNIA	CA		(30) NEW JERSEY	NJ	
(6) COLORADO	CO		(31) NEW MEXICO	NM	
(7) CONNECTICUT	CT		(32) NEW YORK	NY	
(8) DELAWARE	DE		(33) NORTH CAROLINA	NC	
(9) DISTRICT OF COLUMBIA	DC		(34) NORTH DAKOTA	ND	
(10) FLORIDA	FL		(35) OHIO	OH	
(11) GEORGIA	GA		(36) OKLAHOMA	OK	
(12) IDAHO	ID		(37) OREGON	OR	
(13) ILLINOIS	IL		(38) PENNSYLVANIA	PA	
(14) INDIANA	IN		(39) RHODE ISLAND	RI	
(15) IOWA	IA		(40) SOUTH CAROLINA	SC	
(16) KANSAS	KS		(41) SOUTH DAKOTA	SD	
(17) KENTUCKY	KY		(42) TENNESSEE	TN	
(18) LOUISIANA	LA		(43) TEXAS	TX	
(19) MAINE	ME		(44) UTAH	UT	
(20) MARYLAND	MD		(45) VERMONT	VT	
(21) MASSACHUSETTS	MA		(46) VIRGINIA	VA	
(22) MICHIGAN	MI		(47) WASHINGTON	WA	
(23) MINNESOTA	MN		(48) WEST VIRGINIA	WV	
(24) MISSISSIPPI	MS		(49) WISCONSIN	WI	
(25) MISSOURI	MO		(50) WYOMING	WY	

4. TYPED NAME AND TITLE	5. SIGNATURE	6. DATE

FORM FRA F 6180-56 (8-74) SUBMIT THIS FORM WITH THE FRA F 6180-55, DECEMBER REPORT.

•U.S. GOVERNMENT PRINTING OFFICE:1996-723-107/83317