

HIGHWAY-RAIL GRADE CROSSING
ACCIDENT/INCIDENT

FORM FRA F 6180.57

ACCIDENT DOWNLOADS ON DEMAND

DATA FILE STRUCTURE AND FIELD INPUT SPECIFICATIONS

Effective: June 1, 2011

Reference: FRA Guide for Preparing Accident/Incident Reports,
Effective July 1, 2011

**HIGHWAY-RAIL GRADE CROSSING ACCIDENT/INCIDENT
DATA FILE STRUCTURE AND FIELD INPUT SPECIFICATIONS**

FIELD NAME	FIELD POSITION	FIELD TYPE	FIELD LENGTH	DEFINITION	BLOCK # ON FORM 6180.57	CONVERSION
amtrak	1	A/N	1	amtrak involvement		
yr	2 – 3	A/N	2	year of incident	5	
imo	4 – 5	A/N	2	Month of incident	5	
railroad	6 – 9	A	4	Railroad code (reporting RR)	1a	
incdtno	10 – 19	A/N	10	Railroad assigned number	1b	
yr2	20 – 21	A/N	2	Year of incident	5	
imo2	22 – 23	A/N	2	Month of incident	5	
rr2	24 – 27	A	4	Railroad code (other RR involved)	2a	
incdtno2	28 – 37	A/N	10	Other railroad assigned number	2b	
yr3	38 – 39	A/N	2	Year of incident	5	
imo3	40 – 41	A/N	2	Month of incident	5	
rr3	42 – 45	A	4	Railroad code (RR responsible for track maintenance)	3a	
incdtno3	46 – 55	A/N	10	RR assigned number	3b	
dummy1	56	A/N	1	Blank data expansion field		
casinjrr	57 – 59	N	3	# of injured for reporting railroad calculated from F6180.55a's submitted		
gcid	60 – 66	A/N	7	Grade crossing id number	4	
year	67 – 68	A/N	2	Year of incident	5	
month	69 – 70	A/N	2	Month of incident	5	
day	71 – 72	A/N	2	Day of incident	5	
timehr	73 – 74	N	2	Hour of incident	6	
timemin	75 – 76	N	2	Minute of incident	6	
ampm	77 – 78	A/N	2	Am or pm	6	
station	79 – 98	A/N	20	Nearest timetable station	7	
county	99 – 118	A/N	20	County name (see FIPS codes for associated code)	9	
state	119 – 120	A/N	2	FIPS state code	10	
region	121	A/N	1	FRA designated region		
dummy2	122	A/N	1	Blank data expansion field		
city	123 – 142	A/N	20	City name (see FIPS codes for associated code)	11	
highway	143 – 162	A/N	20	Highway name	12	
vehspd	163 – 165	A/N	3	Vehicle estimated speed (blank = unknown)	14	
typveh	166	A/N	1	Highway User: A = auto G = school bus B = truck H = motorcycle C = truck-trailer J = other motor vehicle. D = pick-up truck K = pedestrian E = van M = other F = bus	13	
vehdir	167	A/N	1	Highway user direction: 1 = north 3 = east 2 = south 4 = west	15	
position	168	A/N	1	Position of highway user: 1 = stalled or stuck on crossing* 2 = stopped on crossing 3 = moving over crossing 4 = trapped on crossing by traffic* 5 = blocked on crossing by gates**	16	*As of June 1, 2011 - name changes **As of June 1, 2011 - new selection - not available before June 1, 2011

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FIELD NAME	FIELD POSITION	FIELD TYPE	FIELD LENGTH	DEFINITION	BLOCK # ON FORM 6180.57	CONVERSION
rrequip	169	A/N	1	RR equipment involved: 1 = train (units pulling) A = train pulling (RCL) 2 = train (units pushing) B = train pushing (RCL) 3 = train (standing) C = train standing (RCL) 4 = car(s) (moving) D = EMU Locomotive(s)* 5 = car(s) (standing) E = DMU Locomotive(s)* 6 = light loco(s) (moving) 7 = light loco(s) (standing) 8 = other	17	*As of June 1, 2011 – new selection – not available before June 1, 2011
rrcar	170 – 172	A/N	3	Position of car unit in train	18	
typacc	173	A/N	1	Circumstance of accident: 1 = rail equipment struck highway user 2 = rail equipment struck by highway user	19	
hazard	174	A/N	1	Entity transporting hazmat: 1 = highway user 3 = both 2 = rail equipment 4 = neither	20a	
temp	175 - 177	N	3	temperature in degrees Fahrenheit	21	
visibilty	178	A/N	1	Visibility: 1 = dawn 3 = dusk 2 = day 4 = dark	22	
weather	179	A/N	1	Weather conditions: 1 = clear 4 = fog 2 = cloudy 5 = sleet 3 = rain 6 = snow	23	
typeq	180	A/N	1	Type of consist: 1 = freight train 2 = passenger train(pulling)* 3 = commuter train(pulling)* 4 = work train 5 = single car 6 = cut of cars 7 = yard/switching 8 = light loco(s) 9 = maint/inspec car A = special MoW equipment B=passenger train (pushing)** C=commuter train (pushing)** D=EMU** E=DMU**	24	*As of June 1, 2011 - name changes **As of June 1 2011 – new selection – not available before June 1, 2011
typtrk	181	A/N	1	Type of track: 1 = main 3 = siding 2 = yard 4 = industry	25	
trkname	182-201	A/N	20	track identification	26	
trkclas	202	A/N	1	FRA track class: 1-9, X	27	
nbrlocos	203-204	N	2	Number of locomotive units	28	
nbrcars	205-207	N	3	Number of cars	29	
trnsprd	208-210	A/N	3	Speed of train in miles per hour (if field is blank = unknown)	30	
typspd	211	A/N	1	Train speed type: E = estimated R = recorded Blank = unknown	30	
trndir	212	A/N	1	Time table direction: 1=north 2=south 3=east 4=west	31	
signal	213	A/N	1	Type of signaled crossing warning: If block 32 (crossing) = 01-06, then signal = 1-7 (see back of form 57 for valid entries)	33	
locwarn	214	A/N	1	Location of warning: 1 = both sides 2 = side of vehicle approach	35	

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				3 = opposite side of vehicle approach		
warnsig	215	A/N	1	Crossing warning interconnected with highway signal: 1 = yes 2 = no 3 = unknown	36	
lights	216	A/N	1	Crossing Illuminated by Street Lights or Special Lights: 1 = yes 2 = no 3 = unknown	37	
standveh	217	A/N	1	Driver passed highway standing vehicle:* 1 = yes 2 = no 3 = unknown	42	*As of June 1, 2011 - name changes
train2	218	A/N	1	Highway user went behind or in front of train and struck or was struck by second train:* 1 = yes 2 = no 3 = unknown	40	*As of June 1, 2011 - name changes
motorist	219	A/N	1	Action of highway user:* 1 = went around the gates* 2 = stopped and then proceeded 3 = did not stop 4 = stopped on crossing 5 = other 6 = went around/thru temporary barricade (if yes, see instructions)*** 7 = went thru the gate*** 8 = suicide/attempted suicide***	41	*As of June 1, 2011 - name changes ***As of June 1 2011 – new selection – field not available before June 1, 2011
view	220	A/N	1	Primary obstruction of track view: 1 = permanent structure 2 = standing RR equipment 3 = passing train 4 = topography 5 = vegetation 6 = highway vehicles 7 = other 8 = not obstructed	43	
vehdmg	221-226	N	6	Highway vehicle property damage in \$	47	
driver	227	A/N	1	Driver was: 1 = killed 2 = injured 3 = uninjured	44	
inveh	228	A/N	1	Driver in vehicle: 1 = yes 2 = no	45	
totkld	229–232	N	4	Total killed for railroad as reported on F6180.57		
totinj	233-236	N	4	Total injured for railroad as reported on F6180.57		
totocc	237-240	N	4	Total # of vehicle occupants (including driver)*	48	*As of June 1, 2011 - name changes
incdrpt	241	A/N	1	F6180.54 filed: 1 = yes 2 = no	51	
jointcd	242	A/N	1	Indicates railroad reporting		
typr	243-244	A/N	2	Type railroad – ICC categories: 1 st position indicates class 1, 2, or 3 railroad		
dummy3	245	A/N	1	Blank data expansion field		
caskldrr	246-247	N	2	# killed for reporting RR – calculated from F6180.55a's submitted		
dummy4	248-249	A/N	2	Blank data expansion field		
crossing	250-273	A/N	24	Type of warning device at crossing (series of 2 digit codes)	32	

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				01 = gates 02 = cantilever FLS 03 = standard FLS 04 = wig wags 05 = highway traffic signals 06 = audible 07 = cross bucks 08 = stop signs 09 = watchman 10 = flagged by crew 11 = other (specify) 12 = none		
narrlen	274-277	N	4	Length of narrative		
dummy5	278-281	A/N	4	Blank data expansion field		
year4	282-285	A/N	4	4 digit year of incident	5	
division	286-305	A/N	20	Railroad division	8	<u>Blank after May 31, 2011</u>
public	306	A/N	1	Public crossing: 1 = public 2 = private	12	
cntycd	307-309	A/N	3	FIPS county code		
stcnty	310-315	A/N	6	FIPS state and county code		
hzmrlsed	316	A/N	1	Hazmat released by: 1=highway user 3=both 2=rail equipment 4=neither Blank=unknown	20b	
hzmname	317-346	A/N	30	Name of hazmat released	20c	
hzmqnty	347-349	A/N	3	Quantity of hazmat released	20c	
hzmmeas	350-353	A/N	4	Measure used in hazmat quantity field	20c	
sigwarnx	354	A/N	1	Further definition of signal field: If signal = 5-7, then sigwarnx = A-S (see back of form 57 for valid entries)	33	
whisban	355	A/N	1	Whistle ban in effect: 1=yes 2=no 3=not provided blank=unknown	34	<u>Valid from 1997-May 2011</u>
drivage	356-357	A/N	2	Highway user's age:* Blank=unknown	38	<u>*As of June 1, 2011 - name changes</u>
drivgen	358	A/N	1	Highway user's gender:* 1 = male 2 = female blank = unknown	39	<u>*As of June 1, 2011 - name changes</u>
pleontrn	359-362	A/N	4	Total # of people on train (includes passengers and crew): Blank=unknown	50	
ssb1	363-382	A/N	20	Special study block 1	53a	<u>Valid from 1997-May 2011</u>
ssb2	383-402	A/N	20	Special study block 2	53b	
userkld	403-405	N	3	# of highway-rail crossing users killed as reported by railroad on F6180.57	46	
userinj	406-408	N	3	# of highway-rail crossing users injured as reported by railroad on F6180.57	46	
rrempkld	409-411	N	3	# of railroad employees killed as reported by railroad on F6180.57	49	
rrempinj	412-414	N	3	# of railroad employees injured as reported by railroad on F6180.57	49	
passkld	415-417	N	3	# of train passengers killed as reported by railroad on F6180.57	52	
passinj	418-420	N	3	# of train passengers injured as reported by railroad on F6180.57	52	

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narr1	421-520	A/N	100	Narrative	54	
narr2	521-620	A/N	100	Narrative	54	
narr3	621-720	A/N	100	Narrative	54	
narr4	721-820	A/N	100	Narrative	54	
narr5	821-920	A/N	100	Narrative	54	
subdiv	921-940	A/N	20	Railroad Subdivision	8	<u>Previous field was labeled division</u>
roadcond	941	A/N	1	Roadway Conditions: A = dry B = wet C = snow/slush D = Ice E = sand, mud, dirt, oil, gravel F = water (standing, moving)	34	<u>Previous field (from 1997-May 2011) was labeled whisban. Starting June 2011 – new field</u>
videot	942	A/N	1	Video taken: 1 = yes 2 = no	53a	<u>Valid from June 2011 – present</u>
videou	943	A/N	1	Video used: 1=yes 2=no	53a	<u>Valid from June 2011 – present</u>