

April 12, 2009

SUMMARY OF INVENTORY DATA CROSSING COUNTS

Data Source: US DOT National Highway-Rail Crossing Inventory File

Data Date: as of December 31, 2008

1. Inventory Data Facts
2. Total Number of Open Crossings
3. Closed Crossings Initiative
4. Historical Number of Public, Private, and Pedestrian Grade Crossings by Year
5. Total Number of Grade Crossings by State
6. Historical Number of Public At-Grade Crossings by Warning Device - 1975 to current
7. Total Number of Public Grade Crossings by Warning Device and State

This information can be found on FRA's Website at:
<http://www.fra.dot.gov/us/content/801>

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Federal Railroad Administration
Thomas P. Woll
April 8, 2009

March 10, 2009

INVENTORY DATA FACTS as of December 31, 2008

OPEN CROSSINGS

Total Number of Crossings	=	262,111	
Total Number of at-Grade Crossings	=	224,798	86% of All Crossings
Total Number of Public at-Grade Crossings	=	137,659	61% of at-Grade Crossings

CLOSED CROSSING INITIATIVE

The 1991 Goal was to Close 25% of the Public and Private at-Grade Crossings in 10 years. Base Year 1990 contained 292,839 Total Public and Private at-Grade Crossings. Since 1990, the following number of crossings were reported as closed in the Inventory File.

Total Crossings Closed thru 2008 = 70,004 23.9% of Goal

WARNING DEVICES

WD Code = 1	None	3,253	2.4%
2	Other	395	.3%
3	Crossbucks	56,861	41.3%
4	Stop Signs	10,071	7.3%
5	Special Warning	2,376	1.7%
6	Hwy Signals, WW, Bells	1,223	.9%
7	Flashing Lights	22,635	16.4%
8	Gates	40,344	29.3%
9	4 Quad Gates	501	.4%

QUIET ZONES

In the Inventory File, there are three categories of QZ's:

1 = 24 hrs, 2 = Partial, 3 = Chicago Excused

The last mass update used files dated Feb 12, 2008. Open crossings created a new record with this date. Any closed QZ crossings are changed 'in-place' such that the record's effective date is not changed so that it still reflects the Notice of Establishment date when it was closed. The next mass update will be in March 2009 and updates will be monthly thereafter.

Quiet Zone Count as of December 31, 2008

Total Number of Quiet Zones	=	321	(Chicago excluded)
Total Number of Chicago QZs	=	29	
Total Number of QZ Crossings	=	3,158	100%
Total QZ National Crossings	=	2,759	87%
Total QZ Chicago Crossings	=	397	13%

<u>December 2008</u> Number of Open Highway-Rail Intersections			
Type	At-Grade	Grade Separated	Total
Public	137,659	33,408	171,067
Private	85,176	2,694	87,870
Pedestrian	1,963	1,211	3,174
Total	224,798	37,313	262,111

Source: US DOT National Highway-Rail Crossing Inventory File
Statistics as of 12/31/2008, compiled on February 10, 2009.

As of 12/31/2008

CLOSED CROSSINGS INITIATIVE

GOAL: Close 25% by the Year 2001

BASE YEAR 1990 - Total Public and Private at-Grade

<u>Year*</u>	<u>Public</u>	<u>Private</u>	<u>Total</u>	<u>Decrease</u>	<u>Percent</u>
1990	176,572	116,267	292,839	--	Base
1991	174,085	115,426	289,511	3,328	1.1
1992	170,622	109,963	280,585	12,254	4.2
1993	168,115	108,352	276,467	16,372	5.6
1994	166,035	106,715	272,750	20,089	6.9
1995	163,917	104,759	268,676	24,163	8.3
1996	162,426	103,295	265,721	27,118	9.3
1997	160,395	101,873	262,268	30,571	10.4
1998	158,590	100,650	259,240	33,599	11.5
1999	157,690	100,305	257,995	34,844	11.9
2000	155,974	98,785	254,759	38,080	13.0
2001	154,202	98,289	252,491	40,348	13.8
2002	153,237	97,993	251,230	41,609	14.2
2003	150,768	95,859	246,627	46,212	15.8
2004	149,151	95,519	245,670	47,169	16.1
2005	146,658	93,870	237,979	54,860	18.7
2006	144,738	92,798	237,536	55,303	18.9
2007	139,558	87,589	227,147	65,692	22.4
2008	137,659	85,176	222,835	70,004	23.9

* As published in the Bulletin. (Calendar Year 1991 Bulletin provides mid-1992 Inventory Counts.)

The GOAL: "The 25 percent reduction is a National objective," was established by FRA Administrator Gilbert E. Carmichael at the 1991 National Conference on Highway-Rail Safety, Philadelphia, July 7-10, 1991.

A 25% reduction would close 73,210 crossings.

To achieve that goal, 3,221 (1.1 %) more crossings need to be closed.
We are about 96% of the way to the goal.

Note: These data reflect the net difference between those crossings reported as closed, abandoned or no longer in existence (deleted) and those crossings added (new installation of identified as not previously inventoried) to the DOT National Crossing Inventory File. Included are those individual crossing's actually eliminated, and those removed in 'mass' because of abandonment.

March 10, 2009

Total Number of Highway-Rail Crossings by Type and Category

Active includes WD Code = 5-9

Year	Public At-Grade			Private		Pedestrian
	<u>Total</u>	<u>Active</u>	<u>Passive</u>	<u>Total</u>	<u>At-Grade</u>	<u>At-Grade **</u>
1975	219,161	49,369	169,792	142,291	N/A	3,495
1976	219,162	49,347	169,815	142,338		3,601
1977	219,123	50,210	168,913	141,694	↑	3,601
1978	217,068	51,535	165,533	140,653		3,609
1979	216,123	52,541	163,582	140,217	↑	3,633
1980	215,428	53,850	161,578	139,717		3,646
1981	213,907	54,367	159,540	139,182	↑	3,644
1982	209,541	55,556	153,985	135,796		3,635
1983	205,339	56,211	149,128	133,011	↑	3,620
1984	200,730	56,317	144,413	130,256		3,599
1985	197,383	56,820	140,563	127,936	↑	3,576
1986	192,454	57,115	135,339	125,579		3,574
1987	185,641	57,531	128,110	121,419	↑	3,542
1988	181,953	58,049	123,904	119,086		3,558
1989	178,627	58,125	120,502	117,565	↑	3,529
1990	176,572	58,750	117,822	116,267		3,462
1991	174,085	58,993	115,092	115,426	N/A	<u>3,441</u>
1992	170,622	59,182	111,440	113,076	109,963	2,177 **
1993	168,115	59,455	108,660	111,447	108,352	2,137 ↑
1994	166,035	60,036	105,999	109,775	106,715	2,124
1995	163,917	60,405	103,512	107,802	104,759	2,089
1996	162,426	60,984	101,442	106,309	103,295	2,069
1997	160,395	66,068	94,327	104,864	101,873	2,023
1998	158,590	66,214	92,374	103,794	100,650	2,026
1999	157,690	66,463	91,227	103,297	100,305	1,989
2000	155,974	66,806	89,168	101,731	98,785	1,953
2001	153,848	66,893	86,955	101,135	98,194	1,961
2002	153,749	66,873	86,876	101,039	98,099	1,965
2003	151,346	66,840	84,506	98,767	95,858	1,965
2004	149,151	66,348	82,803	98,426	95,515	1,961
2005	146,658	67,042	79,616	96,761	93,870	2,020
2006	144,738	67,586	77,152	95,677	92,798	2,019
2007	139,558	67,101	72,479	90,381	87,589	1,982
2008	137,659	67,079 49%	70,580 51%	87,870	85,176	1,963

**NUMBER OF CROSSINGS BY STATE
DATA AS OF DECEMBER 31, 2008**

STATE	PUB-AT-GRADE	PUB-SEP	PRIV-AT-GRADE	PRIV-SEP	PED-AT-GRADE	PED-SEP	TOTAL
Alabama	2,883	556	1,617	20	18	7	5,101
Alaska	219	31	106	1	9	5	371
Arizona	754	163	509	101	6	2	1,535
Arkansas	2,939	306	1,406	67	8	8	4,734
California	6,434	1,490	3,530	173	153	101	11,881
Colorado	1,742	307	1,069	18	23	10	3,169
Connecticut	370	530	278	30	9	27	1,244
Delaware	277	103	144	3	2	4	533
Dist Of Columbia	8	69	22	0	10	1	110
Florida	3,919	310	1,284	1	61	6	5,581
Georgia	5,511	815	2,355	11	40	13	8,745
Hawaii	8	0	0	0	0	0	8
Idaho	1,294	142	1,125	8	13	3	2,585
Illinois	7,977	2,555	3,998	151	341	83	15,105
Indiana	5,975	894	1,966	70	47	15	8,967
Iowa	4,401	724	2,876	44	44	12	8,101
Kansas	5,692	487	3,064	23	27	0	9,293
Kentucky	2,382	876	2,394	100	35	22	5,809
Louisiana	3,192	335	2,803	22	32	7	6,391
Maine	836	213	834	15	9	3	1,910
Maryland	663	529	668	21	20	15	1,916
Massachusetts	836	1,200	499	46	25	77	2,683
Michigan	4,937	708	2,262	5	71	14	7,997
Minnesota	4,685	737	2,628	16	56	22	8,144
Mississippi	2,339	342	1,899	14	16	2	4,612
Missouri	4,040	1,079	2,783	67	60	35	8,064
Montana	1,394	211	1,855	111	15	6	3,592
Nebraska	3,053	311	2,000	20	9	7	5,400
Nevada	277	104	220	5	3	1	610
New Hampshire	348	142	240	20	16	9	775
New Jersey	1,552	1,160	504	49	47	79	3,391
New Mexico	729	147	488	41	0	1	1,406
New York	2,842	2,238	2,781	113	76	184	8,234
North Carolina	4,053	800	2,967	23	51	22	7,916
North Dakota	3,517	155	1,338	14	15	4	5,043
Ohio	6,119	2,019	3,125	177	35	47	11,522
Oklahoma	3,910	418	1,358	50	13	2	5,751
Oregon	2,116	453	2,532	114	82	20	5,317
Pennsylvania	4,274	3,006	3,028	221	102	177	10,808
Rhode Island	72	120	39	5	26	8	270
South Carolina	2,752	491	1,231	4	9	3	4,490
South Dakota	1,989	127	1,094	52	7	3	3,272
Tennessee	2,840	948	1,730	47	22	12	5,599
Texas	9,701	1,643	5,370	131	31	19	16,895
Utah	772	188	563	2	3	4	1,532
Vermont	498	169	625	42	44	4	1,382
Virginia	1,994	1,037	2,546	108	40	27	5,752
Washington	2,532	632	2,557	101	42	23	5,887
West Virginia	1,485	551	1,875	103	52	18	4,084
Wisconsin	4,110	683	2,288	53	87	31	7,252
Wyoming	393	154	701	61	1	6	1,316
TOTAL	137,635	33,408	85,174	2,694	1,963	1,211	262,085

April 8, 2009

HISTORICAL NUMBER OF PUBLIC AT-GRADE CROSSINGS BY WARNING DEVICE **DATA: AS OF DECEMBER 31, 2008**

Year	None	Other	Crossbucks	Stop Signs	Special Warning	HWTS, WW, Bells	Flashing Lights	Gates	4 Quad Gates
1975	15,294	1,079	141,478	3,525	8,416	3,392	33,985	11,992	--
1976	15,195	1,076	141,032	3,540	8,360	3,334	34,182	12,363	--
1977	15,197	1,068	140,446	3,550	7,574	3,310	34,277	12,932	--
1978	14,739	1,059	138,690	3,531	7,514	3,244	34,291	14,000	--
1979	14,419	1,034	137,141	3,515	7,473	3,116	34,420	15,005	--
1980	13,797	1,010	137,977	1,412	7,381	2,997	34,563	16,291	--
1981	13,607	980	136,250	1,430	7,273	2,868	34,600	16,899	--
1982	11,737	706	121,283	1,033	5,570	2,489	30,828	17,250	--
1983	11,462	679	116,154	1,007	5,568	2,365	30,366	17,993	--
1984	12,196	874	122,959	1,290	7,094	2,507	33,674	20,136	--
1985	11,650	790	120,073	1,130	6,920	2,418	33,273	21,129	--
1986	10,836	681	116,098	962	6,762	2,271	32,778	22,066	--
1987	10,072	656	110,243	923	6,216	2,064	31,790	23,677	--
1988	9,436	667	107,212	865	5,724	2,008	31,406	24,635	--
1989	9,150	598	104,289	877	5,588	1,934	30,814	25,377	--
1990	8,567	850	90,819	10,278	5,372	1,850	30,467	26,581	--
1991	8,068	819	88,319	10,229	5,207	1,780	30,133	27,222	--
1992	7,733	782	86,384	10,168	5,047	1,696	29,893	27,714	--
1993	7,102	750	84,620	10,155	4,865	1,650	29,564	28,400	--
1994	6,448	731	81,727	10,710	4,717	1,637	29,219	29,314	--
1995	6,028	724	79,832	10,632	4,612	1,550	28,830	30,223	--
1996	5,765	709	78,039	10,575	4,566	1,517	28,458	31,098	--
1997	5,425	656	75,747	10,528	4,347	1,521	28,130	32,115	--
1998	5,400	631	73,250	10,943	4,087	1,467	27,775	32,799	3
1999	5,304	625	71,641	11,300	3,752	1,399	27,545	22,611	5
2000	5,170	637	69,339	11,322	3,600	1,342	26,648	34,566	13
2001	4,927	623	67,465	11,444	3,475	1,276	26,111	35,378	65
2002	4,765	624	66,096	11,463	3,389	1,246	25,633	35,987	105
2003	4,413	603	63,838	11,488	2,926	1,186	24,995	36,608	127
2004	4,054	547	61,627	11,413	2,778	1,188	24,434	37,180	218
2005	3,826	544	59,858	11,560	2,584	1,230	23,892	38,217	368
2006	3,566	436	57,889	11,588	2,494	1,262	23,433	39,290	433
2007	3,419	401	57,136	11,523	2,422	1,251	23,151	39,792	485
2008	3,253	395	56,861	10,071	2,376	1,223	22,635	40,344	501
2009									

Statistics as of 12/31/2008 Compiled on April 8, 2009.

Source: Years 1975-1989 FRA Accident-Incident Bulletins
Years 1990-2007 FRA RRS-22 Stan Ellis; Switch XB to make SS higher level
Years 2008- US DOT National Highway-Rail Crossing Inventory File

NUMBER OF PUBLIC AT GRADE CROSSINGS BY WARNING DEVICE AND STATE
DATA: AS OF DECEMBER 31, 2008

State	Total		Warning Device								
	Count	%	None	Other	Cross bucks	Stop Signs	Special Warning	Highway Signals, Wigwags, Bells	Flashing Lights	Gates	4 Quad Gates
Alabama	2,883	2.09	41	8	824	664	18	85	522	719	2
Alaska	219	0.16	9	2	93	27	7	-	18	63	-
Arizona	754	0.55	13	-	220	72	12	4	48	370	15
Arkansas	2,939	2.13	110	1	1,706	210	67	26	388	431	-
California	6,434	4.67	90	15	2,074	223	28	198	804	2,983	19
Colorado	1,742	1.27	36	7	848	173	23	27	178	450	-
Connecticut	370	0.27	13	-	28	48	29	5	142	104	1
Delaware	277	0.20	8	1	21	1	19	1	168	58	-
Dist Of Columbia	8	0.01	-	-	-	2	4	-	2	-	-
Florida	3,919	2.85	53	6	808	135	79	8	535	2,281	14
Georgia	5,511	4.00	120	8	2,099	862	92	115	271	1,942	2
Hawaii	8	0.01	-	1	7	-	-	-	-	-	-
Idaho	1,294	0.94	6	-	426	537	1	4	172	148	-
Illinois	7,977	5.79	130	4	2,773	77	85	45	2,007	2,784	72
Indiana	5,975	4.34	82	11	1,654	973	9	66	1,321	1,794	65
Iowa	4,401	3.20	18	3	2,140	440	21	24	834	918	3
Kansas	5,692	4.13	72	5	3,722	171	66	32	430	1,193	1
Kentucky	2,382	1.73	109	-	987	51	47	9	733	435	11
Louisiana	3,192	2.32	145	11	1,531	178	25	9	529	763	1
Maine	836	0.61	2	-	273	11	64	4	393	84	5
Maryland	663	0.48	24	-	226	41	24	23	203	120	2
Massachusetts	836	0.61	31	3	114	7	61	14	287	312	7
Michigan	4,937	3.59	128	6	1,548	879	86	25	1,243	1,022	-
Minnesota	4,685	3.40	53	6	2,247	916	16	6	457	964	20
Mississippi	2,339	1.70	66	66	1,205	99	27	6	459	410	1
Missouri	4,040	2.93	153	3	2,088	109	68	41	755	821	2
Montana	1,394	1.01	25	8	863	81	6	1	164	244	2
Nebraska	3,053	2.22	74	4	1,975	183	4	5	185	623	-
Nevada	277	0.20	1	2	122	9	2	1	23	117	-
New Hampshire	348	0.25	4	1	100	43	33	2	122	43	-
New Jersey	1,552	1.13	71	-	306	16	120	19	584	435	1
New Mexico	729	0.53	8	4	367	16	1	5	89	236	3
New York	2,842	2.06	77	17	520	21	148	66	354	1,639	-
North Carolina	4,053	2.94	108	10	1,432	71	105	19	591	1,661	56
North Dakota	3,517	2.55	30	-	2,863	61	-	-	33	526	4
Ohio	6,119	4.45	63	1	2,466	148	52	25	1,031	2,331	2
Oklahoma	3,910	2.84	49	7	2,389	98	55	17	516	769	10
Oregon	2,116	1.54	111	30	735	397	79	35	112	615	2
Pennsylvania	4,274	3.10	210	121	1,463	104	333	65	1,136	831	11
Rhode Island	72	0.05	8	1	4	1	9	17	16	16	-
South Carolina	2,752	2.00	10	-	653	594	93	4	386	1,009	3
South Dakota	1,989	1.44	71	-	1,627	27	-	-	222	42	-
Tennessee	2,840	2.06	90	1	1,119	157	123	14	633	586	117
Texas	9,701	7.05	254	5	3,750	233	66	59	998	4,321	15
Utah	772	0.56	53	4	258	59	51	19	109	209	10
Vermont	498	0.36	5	-	188	28	34	2	206	32	3
Virginia	1,994	1.45	49	2	447	8	7	9	363	1,104	5
Washington	2,532	1.84	222	3	1,246	87	38	25	335	576	-
West Virginia	1,485	1.08	108	6	660	21	17	5	442	226	-
Wisconsin	4,110	2.99	37	1	1,526	696	3	30	1,024	786	7
Wyoming	393	0.29	3	-	120	6	1	1	61	194	7
Puerto Rico	24	0.02	-	-	-	-	18	1	1	4	-
TOTALS	137,659	100.0	3,253	395	56,861	10,071	2,376	1,223	22,635	40,344	501