

COMMUTER RAIL SYSTEM
ON-TIME PERFORMANCE REPORT

April 2011



COMMUTER RAIL ON-TIME PERFORMANCE

April 2011

This report presents an analysis of the April 2011 train delays as reported for Metra's eleven commuter rail lines. On-time is defined, for this analysis, as those trains arriving at their last station stop within five minutes of schedule. Trains that are six minutes or more behind schedule are regarded as late.

Table 1 presents the number of train delays by rail line and service period. During April 2011, Metra operated 16,904 scheduled trains, including 'extras'. 635 of these trains were delayed (late or annulled), representing an on-time performance rate of 96.2%. Table 2 lists on-time percentages by line for each month and year since 2006. Table 3 lists each train that was on time for less than 85% of its weekday runs in April 2011, in order of line, train, and dates delayed. The codes in the 'Delay Code' column of Table 3 are defined in Table 4 and shown sorted by delay-cause category in Table 5.

Table 6 provides a daily listing of the number of delays by line and branch for April 2011.

Table 7.a shows the frequency of train delays by delay-cause category and by line during April 2011. Table 7.b shows the average frequencies over the previous five Aprils, and Table 7.c shows the differences between Table 7.a and Table 7.b. There were 635 delays systemwide in April 2011, 154 more than the average over the previous five Aprils. Table 8.a shows delays from the beginning of the year through April 2011. Table 8.b shows the average frequencies through April of each of the previous five years, and Table 8.c shows the differences between Table 8.a and Table 8.b. Tables 9.a and 9.b display the systemwide frequency of train delays by cause and by month, for 2011 and 2010 respectively, and Table 9.c shows the difference between the two. From January through April of 2011, a total of 3,377 trains were delayed, compared to 2,182 trains delayed in the same four months of 2010.

Table 10 shows, by line and month, all train delays caused by freight operations over the past 24 months. In April 2011 freight operations delayed 120 trains systemwide, compared to 96 a year earlier. Tables 11.a and 11.b display the frequency of lift-deployment train delays by line and month, for 2011 and 2010 respectively. A total of 18 trains were delayed by lift deployment in April 2011.

A review of April 2011 late trains by duration of delay is shown in Table 12. The range with the greatest number of delays was, as usual, six-to-ten minutes, accounting for 49.9% of all late trains. Table 13 shows that the average length of delay was 15.6 minutes in April 2011. It should be noted that these averages relate only to reportable delays (i.e., trains late by six minutes or more).

TABLE 1: SCHEDULED AND DELAYED TRAINS, AND ON-TIME PERFORMANCE BY SERVICE PERIOD AND LINE
April 2011

	Weekdays									Weekends						Total		
	Peak*			Off-Peak**			Total			Saturdays			Sundays & Holidays			Trains Scheduled	Trains Late	Percent On-Time
	Trains Scheduled	Trains Late	Percent On-Time	Trains Scheduled	Trains Late	Percent On-Time	Trains Scheduled	Trains Late	Percent On-Time	Trains Scheduled	Trains Late	Percent On-Time	Trains Scheduled	Trains Late	Percent On-Time			
BNSF	1,135	37	96.7%	843	21	97.5%	1,978	58	97.1%	140	7	95.0%	72	3	95.8%	2,190	68	96.9%
Elec -ML	942	13	98.6%	717	9	98.7%	1,659	22	98.7%	230	10	95.7%	80	5	93.8%	1,969	37	98.1%
-BI	294	9	96.9%	483	7	98.6%	777	16	97.9%	150	1	99.3%	--	--	--	927	17	98.2%
-SC	<u>357</u>	<u>12</u>	96.6%	<u>777</u>	<u>19</u>	97.6%	<u>1,134</u>	<u>31</u>	97.3%	<u>240</u>	<u>10</u>	95.8%	<u>80</u>	<u>3</u>	96.3%	<u>1,454</u>	<u>44</u>	97.0%
Subtotal	1,593	34	97.9%	1,977	35	98.2%	3,570	69	98.1%	620	21	96.6%	160	8	95.0%	4,350	98	97.7%
Heritage	126	5	96.0%	--	--	--	126	5	96.0%	--	--	--	--	--	--	126	5	96.0%
Milw -N	524	27	94.8%	736	29	96.1%	1,260	56	95.6%	120	6	95.0%	80	3	96.3%	1,460	65	95.5%
-W	<u>566</u>	<u>30</u>	94.7%	<u>652</u>	<u>26</u>	96.0%	<u>1,218</u>	<u>56</u>	95.4%	<u>120</u>	<u>10</u>	91.7%	<u>72</u>	<u>1</u>	98.6%	<u>1,410</u>	<u>67</u>	95.2%
Subtotal	1,090	57	94.8%	1,388	55	96.0%	2,478	112	95.5%	240	16	93.3%	152	4	97.4%	2,870	132	95.4%
NCS	231	26	88.7%	231	16	93.1%	462	42	90.9%	--	--	--	--	--	--	462	42	90.9%
RI	757	22	97.1%	694	30	95.7%	1,451	52	96.4%	103	5	95.1%	66	7	89.4%	1,620	64	96.0%
SWS	231	8	96.5%	399	23	94.2%	630	31	95.1%	30	0	100.0%	--	--	--	660	31	95.3%
UP -N	628	16	97.5%	842	41	95.1%	1,470	57	96.1%	130	17	86.9%	72	2	97.2%	1,672	76	95.5%
-NW	691	22	96.8%	672	15	97.8%	1,363	37	97.3%	120	3	97.5%	60	1	98.3%	1,543	41	97.3%
-W	<u>567</u>	<u>23</u>	95.9%	<u>672</u>	<u>36</u>	94.6%	<u>1,239</u>	<u>59</u>	95.2%	<u>100</u>	<u>15</u>	85.0%	<u>72</u>	<u>4</u>	94.4%	<u>1,411</u>	<u>78</u>	94.5%
Subtotal	1,886	61	96.8%	2,186	92	95.8%	4,072	153	96.2%	350	35	90.0%	204	7	96.6%	4,626	195	95.8%
SYSTEM	7,049	250	96.5%	7,718	272	96.5%	14,767	522	96.5%	1,483	84	94.3%	654	29	95.6%	16,904	635	96.2%

*Includes peak direction trains operating during weekday peak periods. **Includes all other weekday trains.
 Delays data for most recent month is final (05/17/11) version from TOPS.

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TABLE 2: ON-TIME PERFORMANCE BY LINE/BRANCH

LINE	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN- APR	AVG
BNSF	2006	96.9	96.4	96.4	97.7	96.2	93.4	97.4	95.0	96.2	93.7	90.2	91.4	96.8%	95.0%
	2007	96.4	86.8	96.3	96.8	98.2	96.0	97.4	94.5	97.8	95.9	96.1	96.6	94.2%	95.8%
	2008	92.9	94.3	97.0	98.2	97.0	94.3	94.8	94.6	92.8	92.8	94.2	89.9	95.6%	94.4%
	2009	85.4	94.1	97.5	96.5	94.6	90.9	95.1	91.2	96.0	89.7	97.3	95.3	93.4%	93.6%
	2010	97.8	97.4	96.4	95.7	95.2	89.0	94.7	94.6	96.7	94.8	94.7	96.2	96.8%	95.2%
	2011	96.2	89.6	97.4	96.9									95.2%	95.2%
	2006-2010 average		93.9	93.8	96.7	97.0	96.3	92.7	95.8	94.0	95.9	93.4	94.5	93.9	95.4%
Electric	2006	99.3	98.6	98.1	99.1	98.9	98.1	95.4	97.9	98.0	97.4	98.7	99.0	98.7%	98.2%
	2007	99.2	96.4	97.7	98.0	97.1	97.8	96.6	97.0	95.6	97.4	98.6	98.3	97.9%	97.5%
	2008	96.4	98.5	98.8	98.3	99.3	98.5	99.2	98.1	97.9	98.2	96.7	95.0	98.0%	97.9%
	2009	96.7	98.5	98.7	99.1	98.6	95.7	97.2	97.2	97.2	97.7	98.5	94.7	98.3%	97.5%
	2010	97.7	98.1	98.4	97.9	98.3	95.5	97.6	98.0	98.0	98.2	97.8	97.5	98.0%	97.8%
	2011	98.6	95.1	98.1	97.7									97.5%	97.5%
	2006-2010 average		97.8	98.0	98.4	98.5	98.4	97.1	97.2	97.6	97.4	97.8	98.1	96.9	98.2%
Heritage	2006	94.4	94.2	92.8	92.5	95.5	92.4	91.7	90.6	90.0	92.4	92.9	95.0	93.5%	92.9%
	2007	98.5	80.0	90.2	89.1	87.1	92.1	90.1	89.1	97.4	92.8	96.8	90.8	89.6%	91.1%
	2008	93.9	89.7	83.3	87.2	89.7	92.9	91.7	86.5	88.2	89.1	93.0	78.6	88.6%	88.6%
	2009	79.4	91.7	91.7	98.5	96.7	92.4	94.9	92.9	90.5	84.1	88.3	88.6	90.4%	90.8%
	2010	92.5	93.3	89.1	91.7	85.0	83.3	87.3	89.4	84.1	90.5	92.9	84.1	91.6%	88.5%
	2011	92.1	77.2	94.2	96.0									90.3%	90.3%
	2006-2010 average		91.8	89.8	89.5	91.8	90.8	90.6	91.2	89.7	89.9	89.8	92.8	87.2	90.7%
Milw - N	2006	92.7	97.3	95.6	97.1	93.9	93.5	90.6	95.4	94.2	92.8	89.3	92.6	95.6%	93.7%
	2007	96.0	89.5	95.6	94.0	96.0	93.0	92.0	95.0	94.1	95.2	93.7	88.1	93.9%	93.6%
	2008	96.1	92.6	96.4	95.8	95.6	95.0	93.3	93.1	95.8	96.9	92.9	84.4	95.2%	94.0%
	2009	85.9	97.3	97.1	95.5	95.4	94.7	96.0	95.1	96.2	96.3	95.3	93.5	93.9%	94.9%
	2010	96.1	96.4	94.2	94.5	88.4	91.6	93.5	93.7	98.4	93.1	94.8	96.6	95.3%	94.3%
	2011	92.9	85.3	95.7	95.5									92.6%	92.6%
	2006-2010 average		93.4	94.6	95.8	95.4	93.9	93.5	93.1	94.5	95.8	94.9	93.2	91.1	94.8%
Milw - W	2006	91.9	97.7	96.0	97.3	97.4	97.2	93.4	95.2	97.4	96.9	98.2	94.1	95.7%	96.0%
	2007	98.8	90.1	97.8	95.5	96.7	95.7	93.8	93.7	96.8	98.3	98.0	93.5	95.7%	95.8%
	2008	94.5	96.6	97.1	97.4	97.8	97.8	96.1	94.1	98.3	97.9	96.6	92.3	96.4%	96.4%
	2009	92.6	96.3	97.4	99.2	98.6	96.3	97.9	95.4	99.2	99.2	98.8	94.4	96.4%	97.1%
	2010	96.0	95.9	97.3	97.9	95.7	93.9	95.6	96.3	97.4	94.8	95.1	95.9	96.8%	96.0%
	2011	96.0	87.2	97.4	95.2									94.2%	94.2%
	2006-2010 average		94.8	95.3	97.1	97.5	97.2	96.2	95.4	94.9	97.8	97.4	97.3	94.1	96.2%
NCS	2006	92.6	98.0	93.5	93.8	96.1	96.8	95.3	96.3	95.6	91.7	91.1	93.4	94.6%	94.5%
	2007	95.9	91.2	94.0	92.9	93.8	94.4	95.9	94.3	94.7	96.2	97.2	94.4	93.6%	94.6%
	2008	93.4	94.4	97.4	95.1	95.0	91.3	96.5	97.4	94.4	98.0	95.9	86.5	95.0%	94.6%
	2009	88.9	93.4	97.3	95.5	95.2	93.2	97.8	92.4	97.6	94.6	97.7	93.0	93.9%	94.8%
	2010	96.4	94.5	92.3	91.1	96.8	90.1	90.9	94.0	95.9	92.6	93.9	90.3	93.5%	93.2%
	2011	95.5	88.3	93.5	90.9									92.2%	92.2%
	2006-2010 average		93.6	94.2	94.9	93.7	95.4	93.1	95.3	94.9	95.7	94.7	95.1	91.4	94.1%

TABLE 2 (continued): ON-TIME PERFORMANCE BY LINE/BRANCH

LINE	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN- APR	AVG
RI	2006	95.9	97.1	96.8	97.5	96.3	96.7	94.4	97.1	96.8	95.7	97.4	94.2	96.8%	96.3%
	2007	96.0	84.0	96.4	98.4	96.1	93.9	92.0	94.3	95.8	97.1	95.2	90.9	93.9%	94.2%
	2008	95.5	95.6	94.5	98.8	97.6	96.4	96.5	96.9	95.8	92.3	96.3	89.3	96.1%	95.4%
	2009	93.4	97.5	96.2	96.8	97.5	96.2	95.9	97.1	97.2	96.4	96.7	93.6	95.9%	96.2%
	2010	95.4	96.7	97.6	97.1	97.4	94.3	96.8	96.6	95.7	96.6	96.4	95.5	96.7%	96.3%
	2011	97.8	89.5	97.7	96.0									95.4%	95.4%
	2006-2010 average		95.2	94.2	96.3	97.8	97.0	95.5	95.1	96.4	96.3	95.6	96.4	92.7	95.9%
SWS	2006	92.3	93.3	97.0	96.2	94.1	96.4	93.0	89.7	85.2	90.8	95.7	93.0	95.0%	93.1%
	2007	98.6	95.3	97.0	97.8	97.0	96.2	96.9	95.8	97.4	95.1	95.7	95.2	97.2%	96.5%
	2008	93.5	96.3	95.1	94.4	95.4	95.7	98.3	93.5	95.3	92.2	93.7	89.2	94.8%	94.4%
	2009	87.1	96.5	96.1	95.9	95.1	97.1	97.5	97.1	98.0	87.8	96.8	96.2	94.0%	95.1%
	2010	94.6	93.4	96.9	97.2	94.6	89.6	90.5	94.4	96.6	96.2	94.3	91.4	95.6%	94.2%
	2011	95.1	89.7	96.2	95.3									94.2%	94.2%
	2006-2010 average		93.4	95.0	96.4	96.3	95.2	95.0	95.3	94.1	94.6	92.4	95.3	93.0	95.3%
UP - N	2006	98.5	98.1	98.8	97.0	99.5	98.3	95.6	95.8	97.8	98.7	96.7	96.6	98.1%	97.6%
	2007	98.0	92.8	97.9	98.5	97.4	93.9	93.5	89.8	96.8	97.6	96.8	92.6	96.9%	95.4%
	2008	91.9	89.4	95.1	95.5	97.1	90.9	92.2	89.9	93.5	95.6	95.2	94.2	93.0%	93.4%
	2009	91.4	98.0	96.9	97.8	95.3	90.7	90.4	89.9	94.0	94.8	97.3	95.1	96.0%	94.2%
	2010	93.9	96.8	96.5	97.2	94.3	91.6	94.6	92.5	94.5	97.5	94.7	96.2	96.1%	95.0%
	2011	96.4	86.7	94.9	95.5									93.6%	93.6%
	2006-2010 average		94.6	95.0	97.0	97.2	96.7	92.9	93.2	91.5	95.2	96.8	96.1	94.9	96.0%
UP - NW	2006	97.9	98.6	98.5	98.0	99.1	98.4	98.0	96.3	97.3	96.5	96.6	96.9	98.2%	97.7%
	2007	95.8	91.8	97.1	97.7	98.0	97.2	96.5	93.2	95.7	98.0	95.2	95.2	95.7%	96.0%
	2008	91.9	91.8	97.1	96.5	96.8	95.5	95.1	97.1	96.9	96.9	94.5	91.7	94.3%	95.2%
	2009	91.9	97.6	97.4	97.9	95.4	94.7	95.4	95.3	95.3	94.8	96.5	94.9	96.2%	95.6%
	2010	96.7	97.2	97.3	97.7	96.1	96.7	96.1	94.9	97.6	96.4	95.4	96.8	97.2%	96.6%
	2011	97.0	89.4	97.9	97.3									95.6%	95.6%
	2006-2010 average		94.8	95.4	97.5	97.6	97.1	96.5	96.2	95.3	96.6	96.5	95.6	95.1	96.3%
UP - W	2006	91.7	93.7	96.0	94.2	94.2	95.6	96.1	94.8	95.1	96.0	94.9	93.8	93.9%	94.7%
	2007	95.9	91.5	93.6	96.5	94.7	93.7	95.6	90.7	93.2	96.6	95.5	91.0	94.4%	94.1%
	2008	95.2	90.4	93.7	94.5	96.9	95.4	95.3	94.5	93.0	91.0	93.0	91.6	93.5%	93.7%
	2009	92.3	97.3	95.5	97.2	97.2	94.3	95.7	92.5	95.2	94.7	97.8	95.2	95.6%	95.4%
	2010	96.6	96.7	97.9	95.9	94.6	91.0	90.1	94.1	95.2	95.9	94.8	91.9	96.8%	94.5%
	2011	93.5	87.3	93.8	94.5									92.4%	92.4%
	2006-2010 average		94.3	93.9	95.4	95.7	95.5	94.0	94.6	93.3	94.4	94.8	95.2	92.7	94.8%
SYSTEM (excluding South Shore)	2006	96.2	97.2	97.1	97.4	97.1	96.5	95.2	96.0	96.3	95.7	95.5	95.3	97.0%	96.3%
	2007	97.4	91.4	96.6	97.0	96.7	95.6	95.2	94.2	95.8	96.9	96.5	94.4	95.7%	95.7%
	2008	94.5	94.5	96.6	97.0	97.4	95.7	96.0	95.3	95.7	95.5	95.2	91.4	95.7%	95.4%
	2009	91.6	97.1	97.3	97.6	96.7	94.3	95.8	94.6	96.4	95.2	97.4	94.6	95.9%	95.7%
	2010	96.5	96.9	97.0	96.7	95.5	92.9	95.0	95.4	96.8	96.2	95.7	95.7	96.8%	95.9%
	2011	96.4	89.8	96.8	96.2									95.0%	95.0%
	2006-2010 average		95.2	95.4	96.9	97.2	96.7	95.0	95.4	95.1	96.2	95.9	96.1	94.3	96.2%

Delays data for most recent month is final (05/17/11) version from TOPS.

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'2006-2010 average' calculated by summing the delays over the five years, summing the trains run over the five years, and calculating their ratio.

**TABLE 3: LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME
April 2011**

Line	Train	Date	Minutes Late	Delay Code	Delay Explanation
MN	2139 81% OT	Fri, Apr 08	12	G	10" FOLLOWING TRAINS, A3 TO RONDOUT; 3" WAIT FOR #115, CN XING.
		Tue, Apr 12	16	G	5" DELAYED TRN(S) AHEAD; 3" ADA, LIBERTYVILLE; 8" STOP SIG, MILWAUKEE AVE-RESTRICTED SPEED TO CP/WC XING.
		Thu, Apr 14	7	U	6" ADA, DEERFIELD & LIBERTYVILLE; 2" FOLLOWING TRAINS ENROUTE.
		Tue, Apr 19	6	A1	2" SW FAILURE, CUS; 5" DELAYED #2137 AHEAD.
MN	2143 81% OT	Thu, Apr 07	6	D	6" WAIT FOR CP282 TO CLEAR, RONDOUT.
		Tue, Apr 12	15	G1	6" SW FAILURE, RONDOUT; 4" DELAYED #2141 AHEAD, LIBERTYVILLE; 4" DELAYED #115 CLEARING CP/WC XING; 4" DELAYED #2141 AHEAD FROM GRAYSLAKE.
		Fri, Apr 15	11	G	10" SWITCH FAILURE RESTRICTED SPEED, RONDOUT; 3" FOLLOWING TRAINS, MORTON GROVE TO GLENVIEW.
		Thu, Apr 28	11	E	8" LOCO SHUT DOWN, GLENVIEW; 5" LOCO 413 WOULDNT LOAD, LIBERTYVILLE.
MN	2156 76% OT	Fri, Apr 15	15	G	16" LATE DEPART WAIT SINGLE TRACK FOR DELAYED #2143, FOX LAKE.
		Mon, Apr 18	7	D	10" FREIGHT TRAIN, CN CROSSING; 5" WAIT FOR #2143, FOX LAKE.
		Tue, Apr 26	10	D	5" #2143W YARDING AHEAD, FOX LAKE; 5" FRT TRN INT, CP/WC XING.
		Thu, Apr 28	9	E1	15" WAIT FOR #2143 TO CLEAR, JLINE.
		Fri, Apr 29	10	E1	12" WAIT FOR #2143 TO YARD, FOX LAKE; 4" X-TRAFFIC, CN XING.
MN	2157 81% OT	Fri, Apr 01	12	J	12" POLICE ACTIVITY, GLENVIEW.
		Wed, Apr 13	15	G	15" SIG/SW PROBS, MAYFAIR.
		Thu, Apr 21	7	D	7" FREIGHT TRAIN INTERFERENCE, CN XING.
		Fri, Apr 22	17	D	17" CP FRT AHEAD, RONDOUT.
MW	2233 76% OT	Tue, Apr 05	8	D1	8" FOLLOWING TRAFFIC, ENROUTE.
		Fri, Apr 08	8	G1	8" WAIT FOR #111 EQU FROM WACY, CUS.
		Tue, Apr 12	15	E1	15" DISABLED #2133 AHEAD, WACY.
		Wed, Apr 27	6	GA	6" SWITCH FAILURE, CUS; 3" 2 ADAS ENROUTE.
		Thu, Apr 28	25	UF	25" ADA LIFT LOST FLUID, SCHAUMBURG.
NCS	0102 67% OT	Wed, Apr 06	7	RF	3" RED SIG, RAM; 2" UP PSGR TRN INT, DEVAL; 2" SLOW ENTRAINING ENROUTE.
		Thu, Apr 07	8	IW	3" FRT X-TRAFFIC, DEVAL; 4" 529B ENROUTE; 3" SLOW ENTRAINING ACCT WEATHER ENROUTE.
		Tue, Apr 12	8	D	10" MEETING N/B FRT, GRAYSLAKE.
		Wed, Apr 13	6	D	5" FREIGHT TRAIN, ROUND LAKE; 2" RED SIGNAL, DEVAL; 1" X-TRAFFIC2.
		Fri, Apr 15	7	D	6" FREIGHT TRAIN, LAKE VILLA; 3" RED SIGNAL, A2.
		Mon, Apr 18	12	D1	10" FOLLOWING DELAYED #100, LAKE VILLA; 5" EXTRA STOPS, ENROUTE.
		Tue, Apr 19	7	I	3" SLOW ENTRAINING ENROUTE; 3" UP PSGR TRN INT, DEVAL; 2" UP PSGR TRN INT, TOWER A2.
NCS	0107 81% OT	Thu, Apr 07	17	D	12" FRT TRN INT/MEETING #2240, GALEWOOD; 2" MEETING #116, DEVALAND 2" #2244 CLEARING CP/WC XING; 1" NO REASON GIVEN.
		Tue, Apr 12	18	K	10" CAR ON TRACKS 8" FRT TRN INTERFERENCE
		Tue, Apr 19	7	D	9" XTRAFFIC, DEVAL.
		Wed, Apr 27	19	D1	20" FOLLOWING CN FREIGHT TRN W/AIR PROBLEMS, PRAIRIE XING-ROUND LK BEACH.
NCS	0110 71% OT	Fri, Apr 08	10	D	5" X-TRAFFIC, DEVAL; 2" MEET #101, JCT 19; 4" HOLD FOR #2220, A5; 2" COPY RTB, MP 2.5.
		Mon, Apr 11	8	A	8" UP PSGR TRN INT, DEVAL; 2" GX PROCEDURES, ABERDEEN.
		Mon, Apr 18	13	D1	13" DELAYED #108 AHEAD, ENROUTE; 5" FREIGHT TRAIN, ANTIOCH; 2" CAR ON TRACKS, GOLF RD.
		Wed, Apr 20	9	D	3" ADA ON, ROUND LK BEACH; 13" MEETING DELAYED #101, O'HARE.
		Thu, Apr 21	18	D	20" MEETING N/B FRT, GRAYSLAKE.
		Wed, Apr 27	7	D	2" PASSENGER RAN ACROSS TRK IN FRONT OF TRAIN, VERNON HILLS; 8" MEETING #101, O'HARE INTERLOCKING SINGLE TRACK AROUND FRT AT SHILLER
RI	0512 81% OT	Thu, Apr 07	12	I	8" HEAVY ENTRAINING ENROUTE; 4" DETRAINING, 35TH.
		Tue, Apr 19	15	RD	20" "DISP ERROR," MOKENA.
		Thu, Apr 21	7	G	4" WAITING FOR SIGNAL TO CLEAR, 16TH; 3" WAITING ON AMTRAK, JOLIET; 3" DISPATCHER ERROR, ENGLEWOOD.
		Fri, Apr 29	9	I	8" MECH PROBLEMS ENROUTE; 3" PSGR W. STROLLER, HICKORY CREEK; 2" PSGR W/ STROLLER, 35TH.

**TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME
April 2011**

Line	Train	Date	Minutes Delay		Delay Explanation	
			Late	Code		
SWS	0840	Fri, Apr 01	9	D	4" BNSF X-TRAFFIC, CP RIDGE; 3" X-TRAFFIC, CP 518; 2" NO REASON GIVEN.	
		81% OT	Wed, Apr 06	6	D	6" HEP PROBS (192), PALOS PK; 7" FRT TRN INT, BELT JCT.
			Fri, Apr 08	8	D	11" CN M338 X-TRAFFIC, 21ST.
			Fri, Apr 15	6	E1	8" LATE TURN FROM DELAYED #833, 179TH ST.
SWS	0842	Fri, Apr 15	6	D	7" EASTBOUND FREIGHT #CSXTQ-114, CSXT5379 WITH 56 CARS, CHICAGO RIDGE.	
		71% OT	Tue, Apr 19	6	G	6" DARK SIG, MT1 AT MP 5.0.
			Wed, Apr 20	8	D	10" CSX #Q149 CLEARING FOREST HILL; 3" WAITING FOR LINE-UP, 23RD.
			Thu, Apr 21	13	D1	9" WAITING FOR #839, ASHBURN; 4" FREIGHT TRAIN INTERFERENCE, FOREST HILL.
			Thu, Apr 28	32	D	37" FRT CONGESTION, FOREST HILL.
			Fri, Apr 29	8	G1	8" MEET #839, ASHBURN.
UPN	0356	Wed, Apr 06	13	E1	12" LATE TURN OF DELAYED #335; 1" RULE 6.30 (LAKE FOREST AND FT SHERIDAN).	
		81% OT	Mon, Apr 11	7	I	7" SLOW ENTRAINING (NORTH CHICAGO & EVANSTON/DAVIS)/DETRAINING (EVANSTON/DAVIS, RAVENSWOOD & CLYBOURN).
			Wed, Apr 20	33	G1	33" LATE TURN OF DELAYED #335. NO DELAY GIVEN FOR APPROACH AT MP 3.8.
			Fri, Apr 29	6	I	2" LATE ADA, KENOSHA; 4" SLOW ENTRAINING, GREAT LAKES & LK FOREST & HIGHLAND & DAVIS; SLOW DETRAINING, RAVENSWOOD & CLYBOURN.
UPW	0041	Wed, Apr 06	15	D	15" #CATWF-04 CLEARING KEDZIE.	
		81% OT	Tue, Apr 19	10	RF	10" TWO ADAS ENROUTE AND WRONG LINE-UP, ELBURN.
			Mon, Apr 25	12	U	12" 2 ADAS ENROUTE/MEETING DELAYED #58, PECK.
			Thu, Apr 28	13	G	13" MET #58, PARK; SLOW CODE LINE SHOWED TRAIN NOT AS FAR WEST AS IT WAS ENROUTE.
UPW	0042	Fri, Apr 01	6	I	11" HEAVY ENTRAINING, GENEVA TO ELMHURST.	
		81% OT	Mon, Apr 04	6	U	11" FIVE ADAS ENROUTE.
			Wed, Apr 06	10	D	15" OPERATED MT2, TURNER-PARK (AROUND #MCLPR-05 ON MT1 (ALSO BLOCKING PLATFORM), ELMHURST.
			Fri, Apr 08	13	D	18" ZLTG2-2 AHEAD, LOMBARD TO PARK; ADA ENROUTE.
UPW	0044	Tue, Apr 05	10	D	15" #ZPDB2002 GENEVA-TURNER AND MOW, MP 20.0-18.5.	
		76% OT	Wed, Apr 06	10	D	15" OPERATED MT2, TURNER-PARK W/SLOW ENTRAINING ENROUTE.
			Fri, Apr 08	10	I	15" RAN 2MT, TURNER TO PARK.
			Fri, Apr 22	50	G	60" SW #1 & 7 FAILED, PECK.
			Fri, Apr 29	43	M1	53" HELD ACCT LPJ02-29 STRUCK PSGR, WEST CHICAGO.
UPW	0056	Wed, Apr 13	9	D	9" FRT TRN INT, EJE XING AND TWO ADAS ENROUTE.	
		76% OT	Wed, Apr 20	8	I	8" SLOW ENTRAINING (GENEVA-ELMHURST), RULE 6.30 AT BELLWOOD AND PSGR TRN INT, TOWER A2.
			Thu, Apr 21	16	G	16" SIGNAL PROBLEMS, WEST CHICAGO; SLOW PASSENGER LOADING, WINFIELD TO ELMHURST; 2 ADA'S, ENROUTE.
			Tue, Apr 26	6	U	6" GX PROCEDURES, ROOSEVELT RD AND TWO ADAS ENROUTE.
			Fri, Apr 29	7	I	7" SLOW ENTRAINING/DETRAINING, WINFIELD TO ELMHURST & OAK PARK.
UPW	0070	Tue, Apr 05	49	D	49" DISABLED #MCHNP-05 AHEAD, BELLWOOD W/ADVBRI-04 (ON MT1) AT FINLEY RD. MADE REVERSE MOVE TO TURNER AND RAN MT2, TURNER-PARK.	
		76% OT	Wed, Apr 06	12	G	12" SW #3 FAILED, KEDZIE.
			Tue, Apr 19	30	D	30" #QNPPR-18 (YARDING INTO PROVISIO) AHEAD, PARK.
			Mon, Apr 25	9	D	9" #QNPPR-24 AHEAD, ELMHURST.
			Tue, Apr 26	30	G	30" INTERLOCKING LOST POWER, TOWER A2.
UPW	0071	Fri, Apr 01	10	GX	10" GX PROCEDURES, MP 22.50 & 24.75.	
		81% OT	Tue, Apr 05	13	D	13" STOPPED TO ASSIST DISABLED #MCHNP-05 AT BELLWOOD AND STOPPED BEHIND #ZG1SC-05 (WHICH WAS STOPPED FOR CN FRT TRN INT, EJE XING).
			Thu, Apr 14	7	D	7" 2IG2G3-14 AHEAD, ELMHURST.
			Fri, Apr 22	13	D	13" #ZGISC-22 AHEAD, WINFIELD-GENEVA.

Data is final (05/17/11) version from TOPS.

TABLE 4: DELAY CODES AND DEFINITIONS

Code	Definition	Code	Definition
A	Passenger Train Interference	M	Right of Way Accident/Misc.
AA	Rule 9.9 Delayed in Block/Rule 6.30	MW	Right of Way Accident/Misc., Weather
AD	Non-Revenue Passenger Train Interference	M1	Right of Way Accident/Misc., Train Ahead
AM	Amtrak Caused Delay	N	ComEd Failure
AS	NICTD Train Interference	NW	ComEd Failure, Weather
AW	Pass. Train Interference, Weather	N1	ComEd Failure, Train Ahead
A1	Pass. Train Interference, Train Ahead	O	AC/DC System Failure
B	Human Error, Eng. Dept.	OW	AC/DC System Failure, Weather
BA	Amtrak Engineering Human Error	O1	AC/DC System Failure, Train Ahead
BW	Human Error, Eng. Dept. Weather	P	Late Equipment From Coach Yard
B1	Human Error, Eng. Dept. Train Ahead	PW	Late Equipment From Coach Yard, Weather
C	M of W Work	P1	Late Equipment From Coach Yard, Train Ahead
CA	Amtrak Engineering	Q	Late Issuance of Track Warrant
CC	Scheduled Track Work	Q1	Late Issuance of Track Warrant, Train Ahead
CF	M of W Caused Mechanical Malfunction	R	Human Error, Transportation
CG	Scheduled Signal Work	RA	Human Error, Amtrak Transportation
CH	Contractor Failure	RD	Human Error, Metra Dispatcher
CO	Scheduled Wire Work	RF	Freight Dispatcher/Opr/Non-Freight Train Error
CW	M of W Work, Weather	RL	Human Error, Job Action/Employee No Show
C1	M of W Work, Train Ahead	RO	Human Error, Metra Operator
D	Freight Train Interference	RS	Human Error, NICTD Transportation
DD	Freight Dispatcher/Opr/Freight Train Error	RW	Human Error, Transportation, Weather
DW	Freight Train Interference, Weather	R1	Human Error, Transportation, Train Ahead
D1	Freight Train Interference, Train Ahead	S	Operational (Efficiency) Testing
E	Locomotive Malfunction	S1	Operational (Efficiency) Testing, Train Ahead
EA	Amtrak Locomotive Malfunction	T	Property Vandalism
EW	Locomotive Malfunction, Weather	TG	Vandalism of Gates
E1	Locomotive Malfunction, Train Ahead	T1	Property Vandalism, Train Ahead
F	Cab Car/Trailer/MU Malfunction	U	Accessibility Related (ADA)
FA	Amtrak Car Malfunction	UF	ADA Lift Failure
FW	Cab Car/TRL/MU Malfunction, Weather	UW	Accessibility, Weather
F1	Cab Car/TRL/MU Malfunction, Train Ahead	U1	Accessibility, Train Ahead
G	Signal/Switch Malfunction	V	Mechanical Problem Reported, Nothing Found
GA	Signal/Switch Failure Amtrak	V1	Mech. Prob., Nothing Found, Train Ahead
GW	Signal/Switch Malfunction Weather	W	Gas Leak
GX	Broken Gate Crossing	WW	Gas Leak, Weather
G1	Signal/Switch Malfunction, Train Ahead	W1	Gas Leak, Train Ahead
H	Human Error, Mechanical Department	XA	Train Annulled - Amtrak
HS	Human Error, NICTD Mechanical Dept.	XB	Train Annulled - Engineering Dept.
HW	Human Error, Mech. Dept., Weather	XD	Train Annulled - Freight Interference
H1	Human Error, Mech. Dept., Train Ahead	XE	Train Annulled - Engine Failure
I	Passenger Handling, Running Time	XF	Train Annulled - B/O Car
IB	Passenger Handling, Bicycle	XG	Train Annulled - Signal Dept.
IW	Passenger Handling, Weather	XH	Train Annulled - Mechanical Dept.
I1	Passenger Handling, Train Ahead	XJ	Train Annulled - Passenger Problem/Removal
J	Passenger Problems/Removal	XK	Train Annulled - Obstruction
JA	Amtrak Passenger Problems/Removal	XL	Train Annulled - Unauthorized People On Trk
J1	Passenger Problems/Removal Train Ahead	XM	Train Annulled - Right of Way Accident/Misc.
K	Obstruction On Tracks	XN	Train Annulled - ComEd Problem
KD	Obstruction On Tracks, Debris	XO	Train Annulled - AC/DC Failure
KP	Suspicious Package(s)/Person(s)/Activity	XQ	Train Annulled - No Track Warrant
KW	Obstruction On Tracks, Weather	XR	Train Annulled - Transportation Dept.
K1	Obstruction On Tracks, Train Ahead	XT	Train Annulled - Vandalism
L	Unauthorized People On Tracks/Near Miss	XV	Train Annulled - Mech. Problem, Nothing Found
L1	Unauthorized People On Tracks, Train Ahead	XW	Train Annulled - Gas Leak

11/07/07 version

P:\ONTIME\DownloadFromTOPS\[#Delay_ImportInstructions_& Codes_07.xls]Incident Code Table 08/15/2008

TABLE 5: DELAY CODES SORTED BY CAUSE CATEGORY

CATEGORY		CATEGORY	
Code	Definition	Code	Definition
1 PASSENGER TRAIN INTERFERENCE		13 HUMAN ERROR	
A1	Pass. Train Interference, Train Ahead	B1	Human Error, Eng. Dept. Train Ahead
A	Passenger Train Interference	B	Human Error, Eng. Dept.
AA	Rule 9.9 Delayed in Block/Rule 6.30	BA	Amtrak Engineering Human Error
AD	Non-Revenue Passenger Train Interference	H1	Human Error, Mech. Dept., Train Ahead
AM	Amtrak Caused Delay	H	Human Error, Mechanical Department
AS	NICTD Train Interference	HS	Human Error, NICTD Mechanical Dept.
P1	Late Equipment From Coach Yard, Train Ahead	R1	Human Error, Transportation, Train Ahead
P	Late Equipment From Coach Yard	R	Human Error, Transportation
XA	Train Annulled - Amtrak	RA	Human Error, Amtrak Transportation
2 & 3 FREIGHT INTERFERENCE		RD	Human Error, Metra Dispatcher
D1	Freight Train Interference, Train Ahead	RF	Freight Dispatcher/Opr/Non-Freight Train Error
D	Freight Train Interference	RL	Human Error, Job Action/Employee No Show
DD	Freight Dispatcher/Opr/Freight Train Error	RO	Human Error, Metra Operator
XD	Train Annulled - Freight Interference	RS	Human Error, NICTD Transportation
4 ACCIDENT		XB	Train Annulled - Engineering Dept.
M1	Right of Way Accident/Misc., Train Ahead	XH	Train Annulled - Mechanical Dept.
M	Right of Way Accident/Misc.	XR	Train Annulled - Transportation Dept.
XM	Train Annulled - Right of Way Accident/Misc.	14 SICK, INJURED, UNRULY PASSENGER	
5 PASSENGER LOADING		J1	Passenger Problems/Removal Train Ahead
I1	Passenger Handling, Train Ahead	J	Passenger Problems/Removal
I	Passenger Handling, Running Time	JA	Amtrak Passenger Problems/Removal
IB	Passenger Handling, Bicycle	XJ	Train Annulled - Passenger Problem/Removal
6 LIFT DEPLOYMENT		15 WEATHER	
U1	Accessibility, Train Ahead	AW	Pass. Train Interference, Weather
U	Accessibility Related (ADA)	BW	Human Error, Eng. Dept. Weather
UF	ADA Lift Failure	CW	M of W Work, Weather
7 OBSTRUCTION/DEBRIS		DW	Freight Train Interference, Weather
K1	Obstruction On Tracks, Train Ahead	EW	Locomotive Malfunction, Weather
K	Obstruction On Tracks	FW	Cab Car/TRL/MU Malfunction, Weather
KD	Obstruction On Tracks, Debris	GW	Signal/Switch Malfunction Weather
KP	Suspicious Package(s)/Person(s)/Activity	HW	Human Error, Mech. Dept., Weather
XK	Train Annulled - Obstruction	IW	Passenger Handling, Weather
8 SIGNAL/SWITCH FAILURE		KW	Obstruction On Tracks, Weather
G1	Signal/Switch Malfunction, Train Ahead	MW	Right of Way Accident/Misc., Weather
G	Signal/Switch Malfunction	NW	ComEd Failure, Weather
GA	Signal/Switch Failure Amtrak	OW	AC/DC System Failure, Weather
GX	Broken Gate Crossing	PW	Late Equipment From Coach Yard, Weather
XG	Train Annulled - Signal Dept.	RW	Human Error, Transportation, Weather
9 TRACK WORK		UW	Accessibility, Weather
C1	M of W Work, Train Ahead	WW	Gas Leak, Weather
C	M of W Work	16 OTHER	
CA	Amtrak Engineering	L1	Unauthorized People On Tracks, Train Ahead
CC	Scheduled Track Work	L	Unauthorized People On Tracks/Near Miss
CF	M of W Caused Mechanical Malfunction	N1	ComEd Failure, Train Ahead
CG	Scheduled Signal Work	N	ComEd Failure
CH	Contractor Failure	Q1	Late Issuance of Track Warrant, Train Ahead
10 CATENARY FAILURE		Q	Late Issuance of Track Warrant
CO	Scheduled Wire Work	S1	Operational (Efficiency) Testing, Train Ahead
O1	AC/DC System Failure, Train Ahead	S	Operational (Efficiency) Testing
O	AC/DC System Failure	T1	Property Vandalism, Train Ahead
XO	Train Annulled - AC/DC Failure	T	Property Vandalism
11 NON-LOCOMOTIVE EQUIPMENT FAILURE		TG	Vandalism of Gates
F1	Cab Car/TRL/MU Malfunction, Train Ahead	V1	Mech. Prob., Nothing Found, Train Ahead
F	Cab Car/Trailer/MU Malfunction	V	Mechanical Problem Reported, Nothing Found
FA	Amtrak Car Malfunction	W1	Gas Leak, Train Ahead
XF	Train Annulled - B/O Car	W	Gas Leak
12 LOCOMOTIVE FAILURE		XL	Train Annulled - Unauthorized People On Trk
E1	Locomotive Malfunction, Train Ahead	XN	Train Annulled - ComEd Problem
E	Locomotive Malfunction	XQ	Train Annulled - No Track Warrant
EA	Amtrak Locomotive Malfunction	XT	Train Annulled - Vandalism
XE	Train Annulled - Engine Failure	XV	Train Annulled - Mech. Problem, Nothing Found
		XW	Train Annulled - Gas Leak

11/07/07 version

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TABLE 6: NUMBER OF DELAYS BY DATE
April 2011

WEEKDAY	1	4	5	6	7	8	11	12	13	14	15	18	19	20	21	22	25	26	27	28	29	TOTAL
	Fr	Mo	Tu	We	Th	Fr	Mo	Tu	We	Th	Fr	Mo	Tu	We	Th	Fr	Mo	Tu	We	Th	Fr	
BNSF	2	0	1	0	0	10	2	8	0	0	1	0	6	2	2	2	7	1	0	5	9	58
Elec -ML	0	2	1	0	1	0	1	0	12	2	0	0	0	0	0	0	1	2	0	0	0	22
-BI	0	7	0	0	2	0	0	0	3	1	0	0	0	0	0	0	0	3	0	0	0	16
-SC	1	3	0	2	2	2	0	4	3	0	0	0	0	0	0	0	1	12	0	1	0	31
Heritage	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	5
Milw -N	3	1	0	1	2	11	2	6	1	2	6	1	3	0	1	2	1	2	1	7	3	56
-W	0	3	3	1	1	7	0	6	0	1	3	2	2	0	4	1	0	2	8	11	1	56
NCS	1	2	1	1	3	7	1	3	1	0	3	7	4	2	2	0	0	2	2	0	0	42
RI	3	0	3	0	11	6	6	1	1	1	3	1	3	3	3	1	0	0	1	2	3	52
SWS	1	0	1	1	1	4	1	4	1	0	6	0	2	4	1	0	1	1	0	1	1	31
UP -N	11	2	4	8	5	0	4	1	0	2	1	1	1	6	4	4	0	0	0	0	3	57
-NW	0	1	9	0	1	1	16	1	0	0	0	0	0	1	0	2	1	4	0	0	0	37
-W	<u>2</u>	<u>2</u>	<u>7</u>	<u>6</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>3</u>	<u>6</u>	<u>1</u>	<u>0</u>	<u>7</u>	<u>3</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>59</u>
SYSTEM	24	23	30	20	32	51	34	37	25	15	24	12	28	21	21	15	14	32	12	29	23	522

SATURDAY	2	9	16	23	30	TOTAL	SUNDAY/HOLIDAY	3	10	17	24	TOTAL
BNSF	2	4	1	0	0	7	BNSF	0	3	0	0	3
Elec -ML	1	2	2	0	5	10	Elec -ML	4	1	0	0	5
-BI	0	0	0	0	1	1	-BI	-	-	-	-	-
-SC	3	1	0	3	3	10	-SC	3	0	0	0	3
Heritage	-	-	-	-	-	-	Heritage	-	-	-	-	-
Milw -N	2	0	0	4	0	6	Milw -N	1	1	1	0	3
-W	1	0	3	2	4	10	-W	0	1	0	0	1
NCS	-	-	-	-	-	-	NCS	-	-	-	-	-
RI	4	0	1	0	0	5	RI	0	4	3	0	7
SWS	0	0	0	0	0	0	SWS	-	-	-	-	-
UP -N	1	5	0	0	11	17	UP -N	1	0	0	1	2
-NW	0	0	0	3	0	3	-NW	1	0	0	0	1
-W	<u>6</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>3</u>	<u>15</u>	-W	<u>2</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>4</u>
SYSTEM	20	15	9	13	27	84	SYSTEM	12	10	5	2	29

Data is final (05/17/11) version from TOPS.

TABLES 7.a, 7.b & 7.c: FREQUENCY OF TRAIN DELAYS BY CAUSE AND LINE
April 2011

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	4	2	0	0	0	2	0	2	2	0	2	0	0	14
<i>Freight Interference - Peak</i>	0	0	0	0	2	3	2	16	2	3	0	0	6	34
<i>Freight Interference - Off-Peak</i>	5	0	0	0	0	14	10	14	3	15	0	3	22	86
Freight Interference - Total	5	0	0	0	2	17	12	30	5	18	0	3	28	120
Accident	9	2	7	0	0	0	3	0	0	0	0	6	1	28
Passenger Loading	4	6	0	9	0	0	3	1	19	0	10	1	9	62
Lift Deployment	0	0	0	0	0	2	4	0	4	0	1	0	7	18
Obstruction/Debris	6	0	0	8	0	0	0	2	0	0	0	3	4	23
Signal/Switch Failure	10	4	5	1	3	15	11	3	4	8	7	1	14	86
Track Work	8	1	0	0	0	3	9	0	7	0	24	0	4	56
Catenary Failure	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Non-Locomotive Equipment Failure	0	10	2	3	0	0	0	0	4	0	2	0	0	21
Locomotive Failure	5	0	0	0	0	10	9	1	9	4	8	24	4	74
Human Error	11	5	1	11	0	2	3	1	7	0	13	1	3	58
Sick, Injured, Unruly Passenger	3	7	2	7	0	5	6	0	3	0	8	2	1	44
Weather	0	0	0	0	0	0	1	2	0	0	0	0	0	3
Other	3	0	0	3	0	9	6	0	0	1	1	0	3	26
TOTAL TRAINS DELAYED	68	37	17	44	5	65	67	42	64	31	76	41	78	635

April - Average Over Previous Five Years: 2006-2010

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	2	1	1	0	0	2	1	1	3	1	0	2	2	17
<i>Freight Interference - Peak</i>	6	0	0	0	5	2	3	5	1	3	1	2	1	30
<i>Freight Interference - Off-Peak</i>	8	0	0	0	0	8	5	5	4	7	1	2	14	53
Freight Interference - Total	14	0	0	0	5	9	9	10	4	10	2	4	15	82
Accident	0	0	0	0	0	0	1	2	2	0	7	0	3	16
Passenger Loading	2	2	1	2	0	2	1	0	3	0	9	2	3	27
Lift Deployment	1	0	0	0	0	1	1	1	2	1	1	2	3	13
Obstruction/Debris	7	2	0	3	0	6	3	1	1	0	1	3	1	29
Signal/Switch Failure	13	10	2	4	3	14	5	4	4	5	4	5	7	79
Track Work	3	5	2	3	0	11	3	2	3	1	4	4	8	49
Catenary Failure	0	2	0	2	0	0	0	0	0	0	0	0	0	4
Non-Locomotive Equipment Failure	2	4	3	3	0	1	1	0	1	0	1	0	0	16
Locomotive Failure	7	0	0	0	0	5	3	5	5	1	1	3	2	31
Human Error	5	2	1	1	1	7	5	3	3	3	8	5	7	51
Sick, Injured, Unruly Passenger	1	4	2	1	0	3	2	0	2	0	3	2	2	22
Weather	5	1	0	0	0	4	1	1	1	0	3	2	1	20
Other	4	1	0	0	1	2	2	0	1	1	2	3	7	25
TOTAL TRAINS DELAYED	66	34	13	18	11	68	36	29	36	24	46	38	62	481

April 2011 Divergence From April Average Over Previous Five Years

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	2	1	-1	0	0	0	-1	1	-1	-1	2	-2	-2	-3
<i>Freight Interference - Peak</i>	-6	0	0	0	-3	1	-1	11	1	0	-1	-2	5	4
<i>Freight Interference - Off-Peak</i>	-3	0	0	0	0	6	5	9	-1	8	-1	1	8	33
Freight Interference - Total	-9	0	0	0	-3	8	3	20	1	8	-2	-1	13	38
Accident	9	2	7	0	0	0	2	-2	-2	0	-7	6	-2	12
Passenger Loading	2	4	-1	7	0	-2	2	1	16	0	1	-1	6	35
Lift Deployment	-1	0	0	0	0	1	3	-1	2	-1	0	-2	4	5
Obstruction/Debris	-1	-2	0	5	0	-6	-3	1	-1	0	-1	0	3	-6
Signal/Switch Failure	-3	-6	3	-3	0	1	6	-1	0	3	3	-4	7	7
Track Work	5	-4	-2	-3	0	-8	6	-2	4	-1	20	-4	-4	7
Catenary Failure	0	-2	0	0	0	0	0	0	0	0	0	0	0	-2
Non-Locomotive Equipment Failure	-2	6	-1	0	0	-1	-1	0	3	0	1	0	0	5
Locomotive Failure	-2	0	0	0	0	5	6	-4	4	3	7	21	2	43
Human Error	6	3	0	10	-1	-5	-2	-2	4	-3	5	-4	-4	7
Sick, Injured, Unruly Passenger	2	3	0	6	0	2	4	0	1	0	5	0	-1	22
Weather	-5	-1	0	0	0	-4	0	1	-1	0	-3	-2	-1	-17
Other	-1	-1	0	3	-1	7	4	0	-1	0	-1	-3	-4	1
TOTAL TRAINS DELAYED	2	3	4	26	-6	-3	31	13	28	7	30	3	16	154

Data for current month is final (05/17/11) version from TOPS.

P:\ONTIME\report\DelaysByCause16Cats.xls>LastMonthByLine 05/17/2011

TABLES 8.a, 8.b & 8.c: FREQUENCY OF TRAIN DELAYS BY CAUSE AND LINE
January-April 2011

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	8	10	2	3	5	27	3	5	9	8	19	5	8	112
<i>Freight Interference - Peak</i>	31	0	0	0	14	6	11	28	7	13	0	0	36	146
<i>Freight Interference - Off-Peak</i>	21	0	0	0	0	56	31	32	16	39	5	7	98	305
Freight Interference - Total	52	0	0	0	14	62	42	60	23	52	5	7	134	451
Accident	16	2	7	5	0	1	49	6	0	0	52	9	20	167
Passenger Loading	12	46	5	19	0	15	5	1	24	1	48	6	19	201
Lift Deployment	10	0	0	0	0	5	12	0	19	0	13	0	18	77
Obstruction/Debris	19	2	1	14	0	5	6	3	8	4	3	16	33	114
Signal/Switch Failure	35	26	15	3	16	74	43	15	34	35	34	39	39	408
Track Work	17	11	1	0	0	11	16	5	10	2	31	3	17	124
Catenary Failure	0	14	3	2	0	0	0	0	0	0	0	0	0	19
Non-Locomotive Equipment Failure	0	18	7	8	0	6	10	1	7	0	11	3	3	74
Locomotive Failure	27	0	0	0	2	52	16	10	35	5	27	40	8	222
Human Error	37	27	1	16	5	29	8	8	12	11	40	14	19	227
Sick, Injured, Unruly Passenger	13	19	2	13	0	14	12	0	4	0	31	7	7	122
Weather	164	79	13	36	7	120	93	31	94	26	97	103	90	953
Other	6	2	1	3	0	11	13	0	12	7	18	19	14	106
TOTAL TRAINS DELAYED	416	256	58	122	49	432	328	145	291	151	429	271	429	3,377

January-April - Average Over Previous Five Years: 2006-2010

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	13	12	4	2	1	19	11	6	10	5	10	6	8	107
<i>Freight Interference - Peak</i>	31	0	0	0	21	6	8	14	5	12	4	5	19	125
<i>Freight Interference - Off-Peak</i>	40	0	0	0	0	31	22	21	19	32	6	10	71	252
Freight Interference - Total	71	0	0	0	21	36	31	35	24	44	10	15	90	377
Accident	33	5	1	3	0	6	11	6	11	5	11	18	12	123
Passenger Loading	8	11	7	7	0	11	7	1	23	1	60	14	17	168
Lift Deployment	6	0	0	0	0	8	8	3	15	1	6	6	8	62
Obstruction/Debris	22	4	3	9	0	16	14	3	9	3	9	21	10	123
Signal/Switch Failure	107	36	7	11	12	58	39	21	33	27	20	30	36	438
Track Work	12	12	3	10	1	22	6	4	10	5	9	7	13	113
Catenary Failure	0	6	3	5	0	0	0	0	0	0	0	0	0	14
Non-Locomotive Equipment Failure	12	15	9	5	0	2	2	1	6	1	6	6	4	68
Locomotive Failure	29	1	0	0	1	30	22	9	18	4	8	18	13	154
Human Error	29	14	5	7	3	20	16	5	20	8	29	28	17	201
Sick, Injured, Unruly Passenger	11	18	3	6	0	12	8	0	15	0	10	7	9	100
Weather	45	33	10	10	5	52	31	10	55	11	58	42	39	402
Other	10	10	3	3	1	12	8	3	12	3	13	10	18	106
TOTAL TRAINS DELAYED	407	178	58	79	47	303	215	106	263	118	259	228	293	2,554

January-April 2011 Divergence From January-April Average Over Previous Five Years

CAUSE CATEGORY	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Passenger Train Interference	-5	-2	-2	1	4	8	-8	-1	-1	3	9	-1	0	5
<i>Freight Interference - Peak</i>	0	0	0	0	-7	0	3	14	2	1	-4	-5	17	21
<i>Freight Interference - Off-Peak</i>	-19	0	0	0	0	25	9	11	-3	7	-1	-3	27	53
Freight Interference - Total	-19	0	0	0	-7	26	11	25	-1	8	-5	-8	44	74
Accident	-17	-3	6	2	0	-5	38	0	-11	-5	41	-9	8	44
Passenger Loading	4	35	-2	12	0	4	-2	0	1	0	-12	-8	2	33
Lift Deployment	4	0	0	0	0	-3	4	-3	4	-1	7	-6	10	15
Obstruction/Debris	-3	-2	-2	5	0	-11	-8	0	-1	1	-6	-5	23	-9
Signal/Switch Failure	-72	-10	8	-8	4	16	4	-6	1	8	14	9	3	-30
Track Work	5	-1	-2	-10	-1	-11	10	1	0	-3	22	-4	4	11
Catenary Failure	0	8	0	-3	0	0	0	0	0	0	0	0	0	5
Non-Locomotive Equipment Failure	-12	3	-2	3	0	4	8	0	1	-1	5	-3	-1	6
Locomotive Failure	-2	-1	0	0	1	22	-6	1	17	1	19	22	-5	68
Human Error	8	13	-4	9	2	9	-8	3	-8	3	11	-14	2	26
Sick, Injured, Unruly Passenger	2	1	-1	7	0	2	4	0	-11	0	21	0	-2	22
Weather	119	46	3	26	2	68	62	21	39	15	39	61	51	551
Other	-4	-8	-2	0	-1	-1	5	-3	0	4	5	9	-4	0
TOTAL TRAINS DELAYED	9	78	0	43	2	129	113	39	28	33	170	43	136	823

Data for current month is final (05/17/11) version from TOPS.

P:\ONTIME\report\DelaysByCause16Cats.xls\YTDBByLine 05/17/2011

**TABLES 9.a, 9.b & 9.c: FREQUENCY OF TRAIN DELAYS BY CAUSE & MONTH
2011**

CAUSE CATEGORY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan - Apr
Passenger Train Interference	18	50	30	14									112 3.3%
<i>Freight Interference - Peak</i>	35	39	38	34									146 4.3%
<i>Freight Interference - Off-Peak</i>	51	81	87	86									305 9.0%
Freight Interference - Total	86	120	125	120									451 13.4%
Accident	52	59	28	28									167 4.9%
Passenger Loading	36	47	56	62									201 6.0%
Lift Deployment	18	24	17	18									77 2.3%
Obstruction/Debris	33	30	28	23									114 3.4%
Signal/Switch Failure	112	129	81	86									408 12.1%
Track Work	28	13	27	56									124 3.7%
Catenary Failure	9	4	4	2									19 0.6%
Non-Locomotive Equipment Failure	9	27	17	21									74 2.2%
Locomotive Failure	69	47	32	74									222 6.6%
Human Error	57	48	64	58									227 6.7%
Sick, Injured, Unruly Passenger	25	15	38	44									122 3.6%
Weather	33	915	2	3									953 28.2%
Other	18	32	30	26									106 3.1%
TOTAL TRAINS DELAYED	603	1,560	579	635									3,377 100%

2010

CAUSE CATEGORY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan - Apr
Passenger Train Interference	43	43	18	18	29	40	13	34	21	27	31	36	122 5.6%
<i>Freight Interference - Peak</i>	39	30	26	37	24	48	48	45	20	41	17	49	132 6.0%
<i>Freight Interference - Off-Peak</i>	49	61	55	59	43	76	77	81	58	66	45	89	224 10.3%
Freight Interference - Total	88	91	81	96	67	124	125	126	78	107	62	138	356 16.3%
Accident	18	49	15	9	44	51	35	55	20	31	47	15	91 4.2%
Passenger Loading	47	34	62	55	85	159	160	148	96	44	57	85	198 9.1%
Lift Deployment	18	14	18	18	32	30	22	31	20	14	14	27	68 3.1%
Obstruction/Debris	29	13	28	42	25	36	34	15	20	42	50	41	112 5.1%
Signal/Switch Failure	85	63	118	87	123	150	126	90	105	115	111	154	353 16.2%
Track Work	14	9	31	45	120	84	92	70	54	64	48	58	99 4.5%
Catenary Failure	7	0	4	0	1	0	16	0	7	0	5	18	11 0.5%
Non-Locomotive Equipment Failure	18	10	16	50	14	33	19	34	33	11	14	18	94 4.3%
Locomotive Failure	12	50	46	37	62	72	80	58	22	72	71	32	145 6.6%
Human Error	54	33	32	29	45	71	37	67	27	43	54	53	148 6.8%
Sick, Injured, Unruly Passenger	14	32	57	22	28	38	50	42	24	34	36	22	125 5.7%
Weather	94	41	3	26	35	312	25	14	2	31	98	43	164 7.5%
Other	44	11	12	29	29	27	20	16	13	17	21	27	96 4.4%
TOTAL TRAINS DELAYED	585	493	541	563	739	1,227	854	800	542	652	719	767	2,182 100%

2011 Divergence From 2010

CAUSE CATEGORY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan - Apr
Passenger Train Interference	-25	7	12	-4									-10 -2.3%
<i>Freight Interference - Peak</i>	-4	9	12	-3									14 -1.7%
<i>Freight Interference - Off-Peak</i>	2	20	32	27									81 -1.2%
Freight Interference - Total	-2	29	44	24									95 -3.0%
Accident	34	10	13	19									76 0.8%
Passenger Loading	-11	13	-6	7									3 -3.1%
Lift Deployment	0	10	-1	0									9 -0.8%
Obstruction/Debris	4	17	0	-19									2 -1.8%
Signal/Switch Failure	27	66	-37	-1									55 -4.1%
Track Work	14	4	-4	11									25 -0.9%
Catenary Failure	2	4	0	2									8 0.1%
Non-Locomotive Equipment Failure	-9	17	1	-29									-20 -2.1%
Locomotive Failure	57	-3	-14	37									77 -0.1%
Human Error	3	15	32	29									79 -0.1%
Sick, Injured, Unruly Passenger	11	-17	-19	22									-3 -2.1%
Weather	-61	874	-1	-23									789 20.7%
Other	-26	21	18	-3									10 -1.3%
TOTAL TRAINS DELAYED	18	1,067	38	72									1,195

Data for current month is final (05/17/11) version from TOPS.

P:\ONTIME\report\DelaysByCause16Cats.xls\AllMonths 05/17/2011

**TABLE 10: FREIGHT DELAYS
between May 2009 and April 2011**

	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
May-09	11	0	0	0	1	4	3	7	6	10	1	4	4	51
Jun-09	6	0	0	0	3	6	7	6	5	11	0	5	11	60
Jul-09	13	0	0	0	3	7	5	2	10	4	0	4	5	53
Aug-09	37	0	0	0	3	5	8	9	1	11	3	4	24	105
Sep-09	16	0	0	0	3	3	5	5	2	7	0	6	11	58
Oct-09	22	0	0	0	14	13	3	4	5	68	2	14	18	163
Nov-09	6	0	0	0	8	5	1	4	1	11	0	0	11	47
Dec-09	13	0	0	0	5	10	7	9	4	10	5	1	23	87
Jan-10	9	0	0	0	7	8	8	10	8	11	15	1	11	88
Feb-10	17	1	1	0	3	9	13	9	5	17	0	2	14	91
Mar-10	14	0	0	0	7	12	4	12	6	14	2	1	9	81
Apr-10	13	0	0	0	7	17	4	26	5	8	2	4	10	96
Total	177	1	1	0	64	99	68	103	58	182	30	46	151	980
May-10	21	0	0	0	3	8	3	8	3	9	0	2	10	67
Jun-10	26	0	0	0	6	7	5	12	4	25	2	1	36	124
Jul-10	17	0	0	0	4	8	3	22	4	25	3	6	33	125
Aug-10	25	0	0	0	7	17	8	9	12	25	0	1	22	126
Sep-10	6	0	0	0	8	8	9	8	9	12	1	1	16	78
Oct-10	9	0	0	0	3	15	15	10	7	18	1	13	16	107
Nov-10	5	0	0	0	4	10	7	6	3	15	3	0	9	62
Dec-10	7	0	0	0	6	21	12	17	7	27	1	1	39	138
Jan-11	17	0	0	0	3	12	5	9	6	10	2	1	21	86
Feb-11	7	0	0	0	5	21	14	5	9	11	1	1	46	120
Mar-11	23	0	0	0	4	12	11	16	3	13	2	2	39	125
Apr-11	5	0	0	0	2	17	12	30	5	18	0	3	28	120
Total	168	0	0	0	55	156	104	152	72	208	16	32	315	1,278

Data for current month is final (05/17/11) version from TOPS.

P:\ONTIME\report\DelaysByCause16Cats.xls\Freight- YTD, 2 yrs 05/17/2011

**TABLES 11.a & 11.b: FREQUENCY OF LIFT-DEPLOYMENT TRAIN DELAYS BY LINE & MONTH
2011**

LINE	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Lift Delays YTD	% of All Delays YTD
	BNSF	5	3	2	0																													10	2.40%			
Electric ML	0	0	0	0																													0	0.00%				
Electric BI	0	0	0	0																													0	0.00%				
Electric SC	0	0	0	0																													0	0.00%				
HER	0	0	0	0																													0	0.00%				
Milw N	1	2	0	2																													5	1.16%				
Milw W	0	6	2	4																													12	3.66%				
NCS	0	0	0	0																													0	0.00%				
RI	2	5	8	4																													19	6.53%				
SWS	0	0	0	0																													0	0.00%				
UP N	8	2	2	1																													13	3.03%				
UP NW	0	0	0	0																													0	0.00%				
UP W	2	6	3	7																													18	4.20%				
Total Lift Delays	18	24	17	18																													77	2.28%				
ALL DELAYS																																			3,377			

Data for current month is final (05/17/11) version from TOPS.

2010

LINE	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Lift Delays All Year	% of All Delays All Year
	BNSF	1	2	2	2	5	7	2	5	3	1	1	8	39	3.08%																							
Electric ML	0	0	0	1	0	2	0	0	0	0	0	0	3	0.43%																								
Electric BI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%																								
Electric SC	0	0	0	0	0	1	0	0	0	0	1	0	2	0.83%																								
HER	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%																								
Milw N	1	0	0	1	2	4	2	2	0	1	0	1	14	1.38%																								
Milw W	4	4	7	1	2	1	2	2	1	4	3	0	31	4.51%																								
NCS	1	0	0	0	0	0	0	0	0	0	0	0	1	0.26%																								
RI	6	4	4	3	8	5	9	5	9	4	5	12	74	10.39%																								
SWS	0	0	0	0	0	0	0	0	1	0	1	0	2	0.43%																								
UP N	4	1	4	1	1	4	5	9	1	1	0	2	33	3.25%																								
UP NW	0	3	0	1	7	3	1	4	3	2	1	4	29	4.51%																								
UP W	1	0	1	8	7	3	1	4	2	1	2	0	30	3.19%																								
Total Lift Delays	18	14	18	18	32	30	22	31	20	14	14	27	258	3.04%																								
ALL DELAYS																																		8,482				

TABLE 12: FREQUENCY OF TRAIN DELAYS BY DURATION

April 2011

Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
Peak *														
6-10	19	10	1	3	1	15	15	17	13	3	6	4	15	122
11-15	11	2	1	1	2	9	9	4	4	1	1	6	6	57
16-20	3	1	1	2	0	2	4	2	0	1	0	5	2	23
21+	4	0	0	6	2	1	1	3	2	3	9	7	0	38
Annulled	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Sub-Total	37	13	9	12	5	27	30	26	22	8	16	22	23	250
Off-Peak **														
6-10	14	12	6	13	0	23	19	7	27	15	26	5	28	195
11-15	7	4	0	3	0	12	9	3	10	3	14	3	10	78
16-20	3	2	0	5	0	3	3	4	2	1	6	1	4	34
21+	7	6	1	10	0	0	6	2	3	4	14	9	13	75
Annulled	0	0	1	1	0	0	0	0	0	0	0	1	0	3
Sub-Total	31	24	8	32	0	38	37	16	42	23	60	19	55	385
April 2011 Total														
6-10	33	22	7	16	1	38	34	24	40	18	32	9	43	317
11-15	18	6	1	4	2	21	18	7	14	4	15	9	16	135
16-20	6	3	1	7	0	5	7	6	2	2	6	6	6	57
21+	11	6	1	16	2	1	7	5	5	7	23	16	13	113
Annulled	0	0	1	1	0	0	1	0	3	0	0	1	0	13
TOTAL	68	37	17	44	5	65	67	42	64	31	76	41	78	635
2011 Year-to-Date														
6-10	169	164	31	65	21	186	129	69	166	70	172	77	170	1,489
11-15	89	37	9	11	13	106	79	28	54	32	73	48	75	654
16-20	48	21	6	13	6	42	45	20	21	14	37	32	48	353
21+	92	30	4	28	9	76	64	24	37	29	107	84	92	676
Annulled	18	4	8	5	0	22	11	4	13	6	40	30	44	205
TOTAL	416	256	58	122	49	432	328	145	291	151	429	271	429	3,377
PERCENT COMPOSITION OF DELAYS BY RANGE OF DURATION														
Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
April 2011 Total														
6-10	48.5%	59.5%	41.2%	36.4%	20.0%	58.5%	50.7%	57.1%	62.5%	58.1%	42.1%	22.0%	55.1%	49.9%
11-15	26.5%	16.2%	5.9%	9.1%	40.0%	32.3%	26.9%	16.7%	21.9%	12.9%	19.7%	22.0%	20.5%	21.3%
16-20	8.8%	8.1%	5.9%	15.9%	0.0%	7.7%	10.4%	14.3%	3.1%	6.5%	7.9%	14.6%	7.7%	9.0%
21+	16.2%	16.2%	5.9%	36.4%	40.0%	1.5%	10.4%	11.9%	7.8%	22.6%	30.3%	39.0%	16.7%	17.8%
Annulled	0.0%	0.0%	41.2%	2.3%	0.0%	0.0%	1.5%	0.0%	4.7%	0.0%	0.0%	2.4%	0.0%	2.0%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011 Year-to-Date Delays By Duration														
6-10	40.6%	64.1%	53.4%	53.3%	42.9%	43.1%	39.3%	47.6%	57.0%	46.4%	40.1%	28.4%	39.6%	44.1%
11-15	21.4%	14.5%	15.5%	9.0%	26.5%	24.5%	24.1%	19.3%	18.6%	21.2%	17.0%	17.7%	17.5%	19.4%
16-20	11.5%	8.2%	10.3%	10.7%	12.2%	9.7%	13.7%	13.8%	7.2%	9.3%	8.6%	11.8%	11.2%	10.5%
21+	22.1%	11.7%	6.9%	23.0%	18.4%	17.6%	19.5%	16.6%	12.7%	19.2%	24.9%	31.0%	21.4%	20.0%
Annulled	4.3%	1.6%	13.8%	4.1%	0.0%	5.1%	3.4%	2.8%	4.5%	4.0%	9.3%	11.1%	10.3%	6.1%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

*Includes peak direction trains operating during weekday peak periods. **Includes all other weekday and weekend trains. Data for most recent month is final (05/17/11) version from TOPS.

TABLE 13: AVERAGE LENGTH OF DELAY BY SERVICE PERIOD, IN MINUTES

	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
<i>April 2011</i>														
Peak *	20.0	9.0	13.0	22.3	19.0	10.5	11.3	11.2	9.9	17.6	32.0	24.0	10.3	15.7
Off-Peak **	15.4	20.0	11.6	17.8	--	10.3	17.7	14.5	10.3	12.3	17.5	25.1	15.2	15.5
All	17.9	16.1	12.0	19.1	19.0	10.4	14.9	12.4	10.2	13.7	20.5	24.5	13.7	15.6
<i>2011 Year-to-Date</i>														
Peak *	16.8	15.3	11.8	17.0	20.1	16.9	17.4	16.3	12.1	14.9	33.9	22.8	18.4	19.2
Off-Peak **	19.5	13.2	12.9	16.4	--	16.6	20.8	18.0	14.6	18.6	22.4	24.9	17.6	18.2
All	17.9	14.0	12.5	16.5	20.1	16.7	19.5	17.1	13.7	17.4	27.1	23.5	17.9	18.6

Excludes annulled trains, which do not have delay times.

*Includes peak direction trains operating during weekday peak periods. **Includes all other weekday and weekend trains.

Data for most recent month is final (05/17/11) version from TOPS.