COMMUTER RAIL SYSTEM

ON-TIME PERFORMANCE REPORT

August 2009



COMMUTER RAIL ON-TIME PERFORMANCE August 2009

This report presents an analysis of the August 2009 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 August 2009, Metra operated 17,154 scheduled trains, including 'extras'. 924 of these trains were delayed (late or annulled), representing an on-time performance rate of 94.6%. Table 2 lists on-time percentages by line for each month and year since 2004. Table 3 lists each train that was on time for less than 85% of its weekday runs in August 2009, 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 August 2009.

Table 7.a shows the frequency of train delays by delay-cause category and by line during August 2009. Table 7.b shows the average frequencies over the previous five Augusts, and Table 7.c shows the differences between Table 7.a and Table 7.b. There were 924 delays systemwide in August 2009, 193 more than the average over the previous five Augusts. Table 8.a shows delays from the beginning of the year through August 2009. Table 8.b shows the average frequencies through August 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 2009 and 2008 respectively. From January through August of 2009, a total of 5,978 trains were delayed, compared to 5,615 trains delayed in the same eight months of 2008.

Table 10 shows, by line and month, all train delays caused by freight operations over the past 24 months. In August 2009 freight operations delayed 105 trains systemwide, compared to 82 a year earlier. Tables 11.a and 11.b display the frequency of lift-deployment train delays by line and month, for 2009 and 2008 respectively. A total of 21 trains were delayed by lift deployment in August 2009.

A review of August 2009 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 51.6% of all late trains. Table 13 shows that the average length of delay was 14.5 minutes in August 2009. It should be noted that these averages relate only to reportable delays (i.e., trains late by six minutes or more).

P:\ONTIME\report\[ReportText.xls]

TABLE 1: SCHEDULED AND DELAYED TRAINS, AND ON-TIME PERFORMANCE BY SERVICE PERIOD AND LINE August 2009

				W	eekday	s						Weel	kends				Total	
]	Peak*		Off	-Peak*	*		Total		Sa	turday	s	Sunday	s & Ho	lidays			
	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	1,134	109	90.4%	844	64	92.4%	1,978	173	91.3%	153	7	95.4%	102	17	83.3%	2,233	197	91.2%
Elec -ML -BI	945 294	31 6	96.7% 98.0%	716 483	45 16	93.7% 96.7%	1,661 777	76 22	95.4% 97.2%	232 150	7 1	97.0% 99.3%	107	1	99.1%	2,000 927	84 23	95.8% 97.5%
-SC Subtotal	357 1,596	1 38	99.7% 97.6%	777 1,976	<u>10</u> 71	98.7% 96.4%	1,134 3,572	<u>11</u> 109	99.0% 96.9%	<u>240</u> 622	<u>5</u> 13	97.9% 97.9%	100 207	<u>0</u> 1	100.0% 99.5%	<u>1,474</u> 4,401	<u>16</u> 123	98.9% 97.2%
Heritage	126	9	92.9%				126	9	92.9%							126	9	92.9%
Milw -N -W	525 567	27 <u>24</u>	94.9% 95.8%	735 <u>651</u>	34 21	95.4% 96.8%	1,260 1,218	61 <u>45</u>	95.2% 96.3%	123 <u>123</u>	8 <u>11</u>	93.5% 91.1%	103 <u>93</u>	4 <u>10</u>	96.1% 89.2%	1,486 1,434	73 <u>66</u>	95.1% 95.4%
Subtotal	1,092	51	95.3%	1,386	<u>55</u>	96.0%	2,478	106	95.7%	246	19	92.3%	196	14	92.9%	2,920	139	95.2%
NCS	231	17	92.6%	231	18	92.2%	462	35	92.4%							462	35	92.4%
RI	756	20	97.4%	673	16	97.6%	1,429	36	97.5%	110	8	92.7%	91	3	96.7%	1,630	47	97.1%
sws	231	3	98.7%	399	12	97.0%	630	15	97.6%	30	4	86.7%				660	19	97.1%
UP -N	630	44	93.0%	847	78	90.8%	1,477	122	91.7%	142	29	79.6%	98	22	77.6%		173	89.9%
-NW	693	24	96.5%	672	21	96.9%	1,365	45	96.7%	124	19	84.7%	79	10	87.3%	1,568	74	95.3%
-W Subtotal	<u>567</u> 1,890	<u>46</u> 114	91.9% 94.0%	672 2,191	3 <u>3</u> 132	95.1% 94.0%	1,239 4,081	<u>79</u> 246	93.6% 94.0%	104 370	<u>17</u> 65	83.7% 82.4%	94 271	<u>12</u> 44	87.2% 83.8%	1,437 4,722	108 355	92.5% 92.5%
*Includes peak	7,056	361	94.9%	7,700	368	95.2%	14,756	729	95.1%	1,531	116	92.4%	867	79	90.9%	17,154	924	94.6%

^{*}Includes peak direction trains operating during weekday peak periods. **Includes all other weekday trains.

Delays data for most recent month is final (09/16/09) version from TOPS.

TABLE 2: ON-TIME PERFORMANCE BY LINE/BRANCH

														JAN-	
LINE Y	EAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AUG	AVG
BNSF	2004	90.7	92.8	97.1	97.2	98.5	98.2	94.3	98.5	96.2	97.1	95.7	92.8	96.0%	95.8%
	2005	94.3	95.7	96.2	98.1	95.9	95.7	96.8	94.2	94.4	95.0	96.1	93.8	95.9%	95.5%
	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	96.1%	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	95.4%	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	95.4%	94.4%
2004 2000	2009	85.4	94.1	97.5	96.5	94.6	90.9	95.1	91.2	05.4	04.0	04.5	02.0	93.2%	93.2%
2004-2008 av	verage	94.2	93.2	96.6	97.6	97.2	95.5	96.1	95.3	95.4	94.9	94.5	92.9	95.7%	95.3%
Electric	2004	97.8	98.8	98.8	99.5	98.9	98.0	99.0	98.7	98.2	98.6	98.9	98.8	98.7%	98.7%
	2005	98.5	99.3	99.6	99.3	98.8	96.5	98.6	99.5	99.2	98.7	97.2	98.7	98.8%	98.7%
	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	98.1%	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	97.5%	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	98.4%	97.9%
	2009	96.7	98.5	98.7	99.1	98.6	95.7	97.2	97.2					97.7%	97.7%
2004-2008 a	verage	98.2	98.3	98.6	98.8	98.6	97.8	97.8	98.2	97.8	98.1	98.0	97.9	98.3%	98.2%
Heritage	2004	95.2	96.7	94.9	95.5	90.0	84.8	91.3	91.7	93.7	92.1	97.6	98.6	92.5%	93.5%
g	2005	95.2	95.0	96.4	95.2	95.2	95.5	93.3	92.8	90.5	88.9	92.1	87.5	94.8%	93.1%
	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	93.0%	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	89.4%	88.6%
	2009	79.4	91.7	91.7	98.5	96.7	92.4	94.9	92.9					92.3%	92.3%
2004-2008 av	verage	95.5	91.1	91.7	91.9	91.5	91.5	91.6	90.2	91.8	91.1	94.5	90.1	91.9%	91.9%
Milw - N	2004	95.0	94.8	98.1	97.3	91.5	94.2	96.5	96.9	95.7	95.3	94.8	94.6	95.6%	95.4%
IVIIIW - IV	2005	90.4	98.4	97.5	95.4	95.7	94.3	92.4	95.8	95.6	97.7	91.3	88.3	95.0%	94.4%
	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	94.5%	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	94.7%	94.0%
	2009	85.9	97.3	97.1	95.5	95.4	94.7	96.0	95.1	,	, 0.,	>=.>	0	94.6%	94.6%
2004-2008 av		94.0	94.5	96.6	95.9	94.5	94.0	92.9	95.2	95.1	95.6	92.4	89.6	94.7%	94.2%
N#21 XX/	2004	07.2	02.5	067	02.0	02.2	02.0	04.7	07.2	06.6	05.0	04.6	06.2	04.00/	05.20/
Milw - W	2004 2005	97.3 91.1	93.5	96.7	92.0	93.2	93.8	94.7 96.2	97.3 93.8	96.6	95.8	94.6	96.2 89.1	94.8%	95.2% 94.8%
	2005	91.1	97.0 97.7	96.1 96.0	96.6 97.3	97.7 97.4	95.5 97.2	93.4	95.8 95.2	96.0 97.4	96.2 96.9	93.0 98.2	94.1	95.5% 95.7%	94.8%
	2007	91.9	90.1	90.0 97.8	95.5	97.4 96.7	95.7	93.4	93.2	96.8	98.3	98.2	93.5	95.7%	95.8%
	2007	94.5	96.6	97.8	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	97.1	99.2	98.6	96.3	97.9	95.4	90.3	21.2	90.0	92.3	96.7%	
2004-2008 a		94.8	95.0	96.7	95.8	96.6	96.0	94.8	94.8	97.0	97.0	96.1	93.1	95.6%	95.6%
				70.7									1		
NCS	2004	96.2	89.0	94.8	85.0	91.5	83.6	85.7	91.8	93.8	92.4	90.5	92.6	89.7%	90.6%
	2005	88.6	97.0	89.6	90.0	98.1	85.5	89.5	90.0	89.0	93.3	88.2	84.9	90.9%	90.2%
	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	95.5%	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	94.1%	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	95.1%	94.6%
	2009	88.9	93.4	97.3	95.5	95.2	93.2	97.8	92.4					94.3%	94.3%
2004-2008 a	verage	93.8	94.1	94.3	92.3	94.9	91.8	94.0	94.7	94.0	94.8	93.4	90.7	93.7%	93.6%

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

														JAN-	
LINE	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AUG	AVG
															I
RI	2004	96.0	98.5	97.6	98.4	99.0	97.9	97.7	98.6	97.3	98.0	96.8	95.8	97.9%	97.6%
	2005	96.6	98.6	97.9	98.0	96.3	93.7	94.2	97.4	93.8	86.5	91.8	91.6	96.6%	94.7%
	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	96.5%	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	94.0%	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	96.5%	95.4%
2004 2006	2009	93.4	97.5	96.2	96.8	97.5	96.2	95.9	97.1	05.0	02.0	05.5	02.4	96.3%	96.3%
2004-2008	average	96.0	94.8	96.7	98.2	97.0	95.7	95.0	96.8	95.9	93.9	95.5	92.4	96.3%	95.7%
SWS	2004	95.8	97.8	95.7	98.0	93.4	92.9	96.1	95.2	94.9	95.2	96.1	96.7	95.6%	95.7%
	2005	94.0	92.5	97.0	96.7	94.7	96.0	94.4	96.7	96.1	95.5	93.2	90.5	95.3%	94.8%
	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	94.1%	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	96.8%	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	95.3%	94.4%
	2009	87.1	96.5	96.1	95.9	95.1	97.1	97.5	97.1					95.4%	95.4%
2004-2008	3 average	95.2	95.1	96.4	96.4	95.1	95.7	95.9	93.8	93.4	93.4	95.0	92.7	95.4%	94.8%
UP - N	2004	98.6	99.1	99.4	99.5	98.5	98.2	98.6	96.7	98.4	95.9	96.8	96.6	98.6%	98.0%
UP - N	2004	98.0	99.1	99.4 99.0	99.5	98.8	96.2 96.6	96.3	93.7	98.4 97.6	95.9	98.4	99.0	98.0%	98.0%
							98.3	95.6							97.4%
	2006 2007	98.5 98.0	98.1 92.8	98.8 97.9	97.0 98.5	99.5 97.4	98.3	93.6	95.8 89.8	97.8 96.8	98.7 97.6	96.7 96.8	96.6 92.6	97.7% 95.2%	97.0%
	2007	98.0	92.8 89.4	97.9	98.3 95.5	97.4 97.1	90.9	93.3	89.8	93.5	95.6	95.2		93.2%	93.4%
	2009	91.9	98.0	95.1 96.9	93.3 97.8	95.3	90.9	92.2	89.9 89.9	93.3	93.0	93.2	94.2	92.8%	93.4%
2004-2008		96.1	95.6	98.0	97.8	98.2	95.4	95.1	93.0	96.7	96.9	96.8	95.7	96.2%	96.3%
2004-2000	average	70.1	93.0	96.0	71.7	96.2	73.4	93.1	93.0	30.7	90.9	90.6	93.1	90.270	90.370
UP - NW	2004	97.6	98.8	98.9	98.6	97.9	98.2	98.3	98.5	97.3	95.5	97.1	96.2	98.4%	97.7%
	2005	93.6	98.0	97.1	98.4	98.8	96.2	98.6	94.8	98.6	98.4	94.9	96.0	96.9%	96.9%
	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	98.1%	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	95.9%	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	95.2%	95.2%
	2009	91.9	97.6	97.4	97.9	95.4	94.7	95.4	95.3					95.7%	95.7%
2004-2008	3 average	95.3	95.7	97.8	97.8	98.1	97.1	97.3	96.0	97.2	97.1	95.7	95.2	96.9%	96.7%
UP - W	2004	95.5	97.4	96.2	97.7	98.5	96.0	95.7	95.8	94.2	93.0	91.9	91.1	96.6%	95.2%
C1 - W	2005	91.7	97.0	96.8	98.1	94.1	92.7	95.3	92.2	96.4	94.9	95.0	92.7	94.7%	94.7%
	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	94.6%	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	94.0%	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	94.5%	93.7%
	2009	92.3	97.3	95.5	97.2	97.2	94.3	95.7	92.5		,	,	,	95.2%	
2004-2008		94.0	94.0	95.3	96.2	95.6	94.7	95.6	93.6	94.4	94.3	94.1	92.0	94.9%	94.5%
SYSTEM	2004	96.1	96.9	97.9	97.7	97.3	96.8	96.9	97.7	96.9	96.6	96.4	95.8	97.2%	96.9%
(excluding	2005	94.6	97.9	97.7	98.0	97.3	95.3	96.4	95.9	96.7	95.9	95.1	94.4	96.6%	96.3%
South Shore		96.2	97.2	97.1	97.4	97.1	96.5	95.2	96.0	96.3	95.7	95.5	95.3	96.6%	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	95.6%	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	95.9%	95.4%
2004 2000	2009	91.6	97.1	97.3	97.6	96.7	94.3	95.8	94.6	06.2	06.1	05.7	04.2	95.6%	95.6%
2004-2008		95.8	95.6	97.2	97.4	97.2	96.0	95.9	95.8	96.3	96.1	95.7	94.2	96.4%	96.1%

Delays data for most recent month is final (09/16/09) version from TOPS.

P:\ONTIME\report\[Delays&TrainsBvServPeriod.xlslOTPbvLine&Month 9/18/2009

^{&#}x27;2004-2008 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 August 2009

		Minutes	Delay											
Line Train	Date	Late		Delay Explanation										
BNSF 1227	Tue, Aug 04	9	CC	FORM "B" NAPERVILLE TO EOLA										
81% OT	Wed, Aug 05	7	CC	TP10 EAST OF WEST EOLA - W NAPERVILLE										
	Tue, Aug 11	16	CC	TP10 BETWEEN EOLA AND LISLE AND WAITING FOR AMTRAK 380 AT NAPERVILLE										
	Wed, Aug 12	11	CC	TP-10 LISLE TO WEST NAPERVILLE										
BNSF 1229	Tue, Aug 04	7	CC	FORM "B" NAPERVILLE TO EOLA, OPR MT 2 WEST HINSDALE TO FVW MOW										
76% OT	Wed, Aug 12	32	CF	HIGHLANDS, TRACK EQ BROKEN DOWN BLOCKING MT1. TP10 LISLE TO WEST										
				NAPERVILLE										
	Thu, Aug 20	8	CC	TP 10 WORKING BETWEEN WEST HINSDALE AND DOWNERS GROVE										
	Mon, Aug 24	30	J	MEDICAL EMERGENCY AT DG AND TP-10 WORKING WEST EOLA TO EOLA										
	Wed, Aug 26		CC	TP-10 WORKING BETWEEN WEST EOLA AND WEST NAPERVILLE										
	Mon, Aug 03	7	CC	MOW = TP10 AT EOLA										
67% OT	Tue, Aug 04		CC	FORM "B" NAPERVILLE TO EOLA, OPR MT 2 WEST HINSDALE TO FVW MOW										
	Thu, Aug 06		CC	TP10 AT EOLA MT2										
	Fri, Aug 07		IW	2 ADA LIFTS, DOOR ISSUE, TRACK CONSTRUCTION, HVY UNLDG - RAIN										
	Mon, Aug 10	11	CC	TP10 AT NAPERVILLE MT2										
	Tue, Aug 11	17	CC	TP10 MT2 LISLE TO NAPERVILLE										
DNIGE 1222	Wed, Aug 12		CC	TP10 LISLE TO WEST NAPERVILLE										
	Tue, Aug 04		CC	FORM "B" NAPERVILLE TO EOLA TDIO AT FOLA MT2 HELD FOR AMTRAK AND 1269										
81% OT	Thu, Aug 06		CC	TP10 AT EOLA MT2, HELD FOR AMTRAK AND 1268 TP10 AT NAPERVILLE ON MT2 FOULING MT1 AT RIVER ROAD, STOPPED BEHIND A-5										
	Mon, Aug 10	31	CC AM	AMTRAK 5 - BAGGAGE CAR FOUND STICKING BRAKES, CAR WAS CUT OUT AND										
	Thu, Aug 13	31	Alvi											
BNSF 1241	Mon, Aug 03	18	C1	REPAIRED TO GO WEST TP10 AT EOLA, MOW										
81% OT	Thu, Aug 13	7	D1	FRT TRAFFIC										
81 /8 01	Tue, Aug 18		D	CICERO "B" WAITED FOR 1268 EAST, S-LAWNSA4-16 GOING TO BRC										
	Wed, Aug 26		H1	7" CUS. 1243 WENT INTO EMERGENCY COMING INTO STATION BLOCKING ROUTE										
BNSF 1243	Mon, Aug 03	13	C1	TP10 AT EOLA, MOW										
71% OT	Fri, Aug 07		U	DEPARTED 4" LATE FOR LAST MINUTE ADA LIFT AT CUS										
7170 01	Thu, Aug 13	10	D1	FRT TRAFFIC										
	Tue, Aug 18		D1	FOLLOWED 1241 FROM WEST HINSDALE TO DOWNERS GROVE										
	Thu, Aug 20		D	HIGHLANDS, FOLLOWED E-CIPCDM										
	Wed, Aug 26		Н	FOLLOWED 1241 FVW TO LISLE. DELAYED 1241 AT UNION STATION										
BNSF 1259	Wed, Aug 05	8	U1	TRAIN AHEAD ON BLOCK FROM DGM TO LISLE, DELAYED 6"										
76% OT	Thu, Aug 13	7	D1	TRAINS AHEAD										
	Wed, Aug 19	12	CW	25MPH S/R ON MT2 MP 19.6 TO MP 21.2										
	Thu, Aug 20	8	C1	WAITED FOR 1280 EAST ON MT 3										
	Mon, Aug 31	48	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE										
	Mon, Aug 03	17	CC	MOW = TP10 AT EOLA										
81% OT	Tue, Aug 04		CC	FORM "B" NAPERVILLE TO EOLA, LATE FLIP ON 1229										
	Wed, Aug 05		CC	TP10 EAST OF WEST EOLA - W NAPERVILLE										
DATE:	Mon, Aug 10			LATE FLIP OFF 1227, TP10 EOLA TO NAPERVILLE										
BNSF 1265	Thu, Aug 06		R	ENGINEER EMERGENCY AT HINSDALE COULDN'T SEE THE SIGNAL										
81% OT	Mon, Aug 17	14	E	HEP FAILURE OF ENGINE 405, PROBLEMS WITH SWITCH										
	Wed, Aug 19		IW	WIND WARNINGS AND LOST HORN ON ENGINE 402										
BNSF 1271	Mon, Aug 31	38	G VD	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE										
	Thu, Aug 13		XD E1	1275 WILL HANDLE PSGRS TO ATC - CPK TO FV										
76% OT	Mon, Aug 17 Wed, Aug 19	11 13	E1 DD	1265 AHEAD WITH MECHANICAL ISSUES MISROUTE AT CPK, HAD TO WAIT FOR PLANT TO TIME OUT										
	Wed, Aug 19 Wed, Aug 26		DD DD	NAPERVILLE, TRAIN MISROUTE, SHOULD HAVE BEEN LINED DOWN MT 2 AT LISLE,										
	weu, Aug 20	10	טט	SIGNAL RAN DOWN										
	Mon, Aug 31	48	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE										
BNSF 1273	Mon, Aug 03		C1	LATE FLIP, ACCT TP10 AT EOLA, MOW										
71% OT	Thu, Aug 05		CC	FORM A FROM W NAPERVILLE TO EOLA										
,1,001	Tue, Aug 18		G1	FOLLOWED 1275										
	Wed, Aug 19		DD	MISROUTE AT CPK, HAD TO WAIT FOR PLANT TO TIME OUT										
	Thu, Aug 20		CC	HIGHLANDS, FOLLOWED 1279 TO LISLE										
	Mon, Aug 31	34	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE										
	o., 11ug J1	J-T	J	THE STATE OF THE PROPERTY OF THE STATE OF TH										

TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME August 2009

II			Minutes	Delay	
Line T	rain l	Date	Late	-	Delay Explanation
		Mon, Aug 03	0	XB	TP10 AT EOLA AND TRAIN WAS STOPPED AT LISLE FOR 40", COMBO WITH 1273
81% (ОТ	Tue, Aug 18	10	G	CPK, STACK ROUTE CAME IN BEHIND 1286, TMDS ISSUE, TIME RAN ON PLANT
		Wed, Aug 19	19	DD	MISROUTE AT CPK, HAD TO WAIT FOR PLANT TO TIME OUT
		Mon, Aug 31	20	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE
BNSF 1	1276	Mon, Aug 03	19	C1	LATE ARRIVAL FOR TP10 AT EOLA, CHANGED STOPS TO EXPEDITE
81%	OT	Thu, Aug 13	38	D1	E-CNTATM0-18 IN EMERGENCY AT NAPERVILLE CROSSING AHEAD OF 1276
		Thu, Aug 20	12	C1	LATE FLIP OFF 1239, POLICE ACTION ATC, DH FROM NAPERVILLE
		Mon, Aug 31		CC	OPERATED OVER 10MPH S/R BETWEEN MP 30.0 TO 27.5 MT 3, PICKED UP 1274 TRVL
		Wed, Aug 05		I	HVY PSGR LDG AND ADA LIFTS
67%	OT	Thu, Aug 06		CC	PSGR HANDLING AND 10" THRU FORM A
		Thu, Aug 13		D1	TRAINS AHEAD
		Tue, Aug 18		G	CPK, STACK ROUTE CAME IN BEHIND 1286, TMDS ISSUE, TIME RAN ON PLANT
		Wed, Aug 19		DD	MISROUTE AT CPK, HAD TO WAIT FOR PLANT TO TIME OUT
		Thu, Aug 20		CC	HELD AT HIGHLANDS TO FOLLOW 1275
DNCE		Mon, Aug 31		G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE
		Mon, Aug 03		C1	EXPEDITE, TP10 AT EOLA, MOW
81% (ΟI	Thu, Aug 13 Thu, Aug 20		D1 CC	E-CNTATM0-18 IN EMERGENCY AT NAPERVILLE CROSSING AHEAD OF 1276 MADE 1276 STOPS BETWEEN NAPERVILLE TO LAGRANGE RD
		Mon, Aug 31	48	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE
BNSF 1		Mon, Aug 03		C1	DEPARTED 18" LATE, TP10 AT EOLA, MOW
48%		Fri, Aug 03		IW	PSGR HANDLING WEATHER ADA LIFT
-10 / 0 V	O1	Wed, Aug 12		D1	FOLLOWING 1373
		Thu, Aug 13		D1	DEPARTED 5" LATE FOR FRT TRAIN INTERFERENC ON TRAIN 1280, E-CNTATM0-18
		Mon, Aug 17		U	LDG WITH WEATHER, 2 ADAS
		Wed, Aug 19		IW	FOLLOWED DELAYED TRAIN 1373 DOWNERS GROVE TO NAPERVILLE
		Thu, Aug 20		CC	FOLLOWED 1373 DOWNERS GROVE TO LISLE 1283 OPERATED AHEAD WEST EOLA
		Mon, Aug 24		D1	FOLLOWING 1373 DOWNERS GROVE TO LISLE
		Wed, Aug 26		DD	FOLLOWED 1373 FVW TO LISLE
		Fri, Aug 28	7	U	TWO ADA LIFTS
		Mon, Aug 31	0	XG	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE
BNSF 1	1283	Mon, Aug 03	17	C1	LATE FLIP, ACCT TP10 AT EOLA, MOW
67%	OT	Wed, Aug 12	13	DD	CAB SIGNAL ISSUE ON METX 195, DS VERBAGE VIA RADIO REQUIRED TRAIN TO RUN
					AT 40MPH
		Thu, Aug 13		D	Z-PTLCHC AT LISLE AND WAITED FOR FRT TRAIN TO PASS THEN TOOK TRAIN WEST
		Wed, Aug 19		DD	25MPH S/R MP 19.6 TO MP 21.2 MT2, WAITED FOR 1273 AT NAPERVILLE
		Thu, Aug 20		CC	FOLLOWED 1281 CPK TO FVW
		Mon, Aug 24		DD	CONGRESS PARK, DISPATCHER MISROUTED TRAIN, WAITED FOR PLANT TO TIME OUT.
DNICE		Mon, Aug 31	51	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE
		Mon, Aug 03		C1	LATE ARRIVAL OF EQ, ACCT TP10 AT EOLA, MOW
81% (OI.	Thu, Aug 13		DD	MIS-ROUTE TO MT2 AND REVERSED TO WORK MT1 FROM MT2
		Wed, Aug 19 Mon, Aug 31	10 30	IW G	LATE FLIP OF 1286 TPACK INDICATION ON ALL TPACKS RETWEEN EVW AND WEST HINSDALE
BNSF 1		Mon, Aug 03		C1	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE LATE FLIP, ACCT TP10 AT EOLA, MOW
48%		Thu, Aug 05		G1	DEPARTED 9" LATE ACCT LATE ARRIVAL OF EQ
-10 /0 V		Mon, Aug 10		CC	FOLLOWING 1273 AND HELD AT EOLA FOR RAIL MACHINE CLEARING
		Wed, Aug 12		D1	FOLLOWING 1283 WHILE OPERATING AT 40 MPH
		Thu, Aug 13		D1	FOLLOWING 1283 AND 1373
		Mon, Aug 17		D	FOLLOWED 1283 NAPERVILLE TO EOLA, Z-PTLCHC1-15 OPERATING MT3
		Wed, Aug 19		IW	DEPARTED CUS 10", LATE FLIP OFF 1284, FOLLOWED 1283
		Thu, Aug 20		CC	LATE FLIP OFF 1284
		Mon, Aug 24		DD	CONGRESS PARK, DISPATCHER MISROUTED TRAIN, WAITED FOR PLANT TO TIME OUT $1283\ \mathrm{AHD}$
		Wed, Aug 26	8	DD	CPK, MISROUTE, SHOULD HAVE LINED TRAIN DOWN MT 2 AT CPK
		Mon, Aug 31	32	G	TRACK INDICATION ON ALL TRACKS BETWEEN FVW AND WEST HINSDALE

TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME August 2009

			Minutes	Delav	
Line '	Train	Date	Late		Delay Explanation
НС	0917	Wed, Aug 19	8	AM	5" AMTRAK CONGESTION, CUS; 3" NO REASON GIVEN.
81%	TO 6	Tue, Aug 25		CC	3" NO REASON GIVEN, CUS; 6" FLAGGING CP CANAL/ARGO (TIE GANG WORKING IN
		, ,			THE AREA).
		Wed, Aug 26	17	CC	6" RESTRICTED SPEED, LEMOYNE-45XOVERS; 9" FLAGGING CP CANAL/ ARGO (TIE
					GANG WORKING IN THE AREA); 2" S/O ENROUTE.
		Mon, Aug 31	13	D	12" CN TRN GOING INTO GLENN YARD, 47XOVER; 2" S/O ENROUTE.
ELBI	0245	Wed, Aug 05	6	I1	WAITING FOR 144
81%	TO 6	Thu, Aug 13	6	I	WAITING ON 144 PASSENGER
		Tue, Aug 25	11	G	RED SIGNAL RESTRICTION SPEED.
		Fri, Aug 28		I	6" WAITING FOR #144, 115TH.
ELML	0142	Mon, Aug 03	7	I	7" HEAVY ENTRAINING ENROUTE.
81%	TO 6	Mon, Aug 10	7	I1	NORTH DISPATCHER HAD 142 LINE UP FOR TRK 4 HELD AT 51ST. UNTIL LINED UP FOR
					TRK 3.
		Thu, Aug 13		I1	WAITING ON TRAIN 141.
		Fri, Aug 14		I	DEPARTED UNIV. PARK 2" LATE, ARRIVED RAND 854P, 7" LATE
ELML		Tue, Aug 04		I	7" SLOW ENTRAINING ENROUTE.
67%	OT 6	Thu, Aug 06		I	MADE ALL FLAG STOPS FOR PASSENGER.
		Mon, Aug 10	8	I	WAITING ON I/B TRAIN 344 AT 67TH PER TRANSFER OF ADA PASSENGER TO VAN
					BUREN.
		Wed, Aug 12		K1	13" LATE TURN OF DELAYED #143.
		Thu, Aug 13		I	8" SLOW ENTRAINING ENROUTE.
		Mon, Aug 24	10	I	6" TRANSFERRING CONFUSED PSGR TO SOUTH CHICAGO LOOP, WOODLAWN; 4"
				_	ENTRAINING/DETRAINING, KENSINGTON AND HARVEY.
		Wed, Aug 26		I	6" ENTRAINING ENROUTE.
		Mon, Aug 03		I	8" HELD FOR CONNECTIONS OFF #145, WOODLAWN.
71%	6 OT	Fri, Aug 14		I1	9" HELD FOR CONNECTIONS OFF DELAYED #145, WOODLAWN.
		Mon, Aug 17		I1	6" HELD FOR CONNECTIOS OFF #145, WOODLAWN.
		Tue, Aug 18		I1	6" HELD FOR CONNECTIONS OFF #142, 67TH.
		Wed, Aug 19		I	5" HELD FOR CONNECTIONS OFF #142, 67TH; 3" MOW, 91ST.
MAT	2125	Thu, Aug 20		I	5" LATE DEPT WAITING FOR #142, 63RD; 1" ENTRAINING ENROUTE.
MN		Mon, Aug 03		D	11" FRT TRN INT, CP/WC XING.
76%	6 OT	Fri, Aug 14		AM	6" MEETING DELAYED #2146 OFF THE J LINE, RONDOUT; 4" FLAGGING CP/WC XING. 10" MEETING DELAYED #2146 OFF THE J LINE, RONDOUT.
		Tue, Aug 18		D1	3" ENTRAINING ENROUTE; 6" MEETING E/B CP FRT, DEERFIELD.
		Wed, Aug 26		D	10" MEDICAL EMERGENCY, LAKE FOREST; 10" PSGR COMPLAINT, GRAYSLAKE.
MW	2228	Fri, Aug 28 Mon, Aug 03		J E	37" LOCO WOULD NOT LOAD, ELGIN; 5" S/O ENROUTE.
	6 OT	Thu, Aug 13		I	4" SLOW ENTRAINING ENROUTE; 3" LATE EQU, BTR; 3" ADA, ENROUTE.
01 /0	6 O I	Fri, Aug 13		I	9" SLOW ENTRAINING ENROUTE.
		Mon, Aug 17		J1	19" LATE TURN OF DELAYED #2205; 1" LOST HEP, SCHAUMBURG; 1" ADAON,
		Wion, Aug 17	20	31	WOODDALE.
NCS	0118	Fri, Aug 14	9	CW	2" WAITING FOR LINE-UP, ANTIOCH; 4" HIGH TEMP S/O; 2" UP PSGR TRN INT, DEVAL; 2"
1.05	0110	111, 1145 17	,	C 11	ENTRAINING, RIVER GROVE.
81%	TO 6	Mon, Aug 17	10	G1	10" MEETING DELAYED #111/113, SOUTH PROSPECT HTS.
01/0		Tue, Aug 18		G	12" FLAGGING DEVAL.
		Mon, Aug 31	11	G	5" RESTRICTED SPEED, MP 39.3-37.9; 11" HAND-LINING SWITCHES, JCT 10.
UPN	0321	Tue, Aug 04		CC	20" MEETING #336, RP (SINGLE TRACKING BETW RP-WK) AND MOW EN-ROUTE.
	6 OT	Thu, Aug 06		CC	25" FORM B, RP TO WK; WAITING FOR #336 TO CLEAR FORM B, WK TO RP.
/ 4		Tue, Aug 18		CC	20" MOW/SINGLE TRACKING (NO LOCATION(S) GIVEN).
		Mon, Aug 24		CC	20" MEETING #336, RP (SINGLE TRACKING-MOW) AND FORM B.
UPN	0344	Fri, Aug 07		I	6" HEAVY ENTRAINING ENROUTE.
	TO 6	Mon, Aug 24		CC	8" "LATE ARRIVAL OF #323" (NO DELAY REPORTED FOR #323); 9" FORM B.
		Tue, Aug 25		CC	6" MOW, MP 51-37.2, 25.5-24.75 AND 15.1-13.9.
		Wed, Aug 26		CC	5" "LATE ARRIVAL OF #325" (NO DELAY REPORTED FOR #325); 25" MOW, MP 26.0-23.5,
					20.75-20.5 AND 15.1-13.9.

TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME August 2009

		Minutes	Delay	
Line Train	Date	Late	Code	Delay Explanation
UPN 0347	Mon, Aug 03	6	C1	6" #345 AHEAD AND S/O, MP 14.
52% OT	Tue, Aug 04	6	I1	6" #345 AHEAD.
	Tue, Aug 11	6	I1	6" #345 AHEAD.
	Fri, Aug 14	6	I1	6" #345 AHEAD.
	Wed, Aug 19	6	I1	6" #345 AHEAD.
	Mon, Aug 24	6	I1	6" #345 AHEAD.
	Tue, Aug 25		I1	6" #345 AHEAD.
	Wed, Aug 26	6	I1	6" #345 AHEAD.
	Thu, Aug 27	6	I1	6" #345 AHEAD ENROUTE.
	Mon, Aug 31	8	I1	8" DELAYED #345 AHEAD.
UPN 0350	Thu, Aug 06	8	R	8" LATE DEPT ACCT CREW HAD JOB BRIEFING W/ MOP REGARDING X/O MOVE @
		_	_	HIGHLAND PK, HIGHLAND PARK.
81% OT	Fri, Aug 21	7	I	3" LATE TURN OF #337, HIGHLAND PARK; 4" SLOW ENTRAINING, HIGHLAND PARK &
		4.0		DAVIS ST & RAVENSWOOD.
	Tue, Aug 25	10	RF	4" LATE TURN OF DELAYED #337; 6" WRONG LINE-UP, LAKE ST.
	Wed, Aug 26	6	G	6" WAIT FOR LINE-UP, WK (TRN DISAPPEARED FROM CAD SYSTEM-CON-TROL
UPN 0352	Thu Aug 06	19	T	OPERATOR "LOCAL CONTROL" OF PLANT. 19" HEAVY/SLOW ENTRAINING ENROUTE.
62% OT	Thu, Aug 06 Fri, Aug 07	27	I L	27" HELD @ CLYBOURN ACCT SUISIDE ATTEMPT, MP 1.51.
02 76 01	Wed, Aug 12		I	7" HEAVY/SLOW ENTRAINING/DETRAINING ENROUTE (RAVINIA PK).
	Mon, Aug 17	7	I	7" HEAVY ENTRAINING, WAUKEGAN TO HIGHLAND PK.
	Thu, Aug 20	9	I	9" HEAVY ENTRAINING, WAUKEGAN TO HIGHLAND PK; SLOW DETRAINING, RAVINIA
	111u, 11ug 20			PK.
	Tue, Aug 25	7	I	7" SLOW ENTRAINING, LAKE BLUFF AND LAKE FOREST.
	Fri, Aug 28	7	Ī	7" HEAVY ENTRAINING, WAUKEGAN TO HIGHLAND PK; HEAVY DETRAINING, RAVINIA
	,8			PK.
	Mon, Aug 31	7	I	7" HEAVY ENTRAINING/DETRAINING ENROUTE (RAVINIA PK).
UPN 0356	Mon, Aug 03	8	I	8" HEAVY DETRAINING, RAVINIA PK.
67% OT	Fri, Aug 07	13	I	13" HEAVY ENTRAINING ENROUTE.
	Mon, Aug 10	11	I	4" LATE TURN OF DELAYED #335; 7" HEAVY ENTRAINING, ZION AND LAKE BLUFF.
	Tue, Aug 18	11	J1	11" LATE TURN OF DELAYED #335.
	Thu, Aug 20	73	K	13" LATE TURN OF #355; 60" TRUCK STUCK ON TKS, CENTRAL AVE.
	Fri, Aug 21	6	I	6" SLOW ENTRAINING, WAUKEGAN TO HIGHLAND PARK; SLOW DETRAINING, RAVINIA
				PK; SLOW ENTRAINING, GREAT LAKES.
	Mon, Aug 31	8	I	8" HEAVY ENTRAINING/DETRAINING ENROUTE (RAVINIA PK).
UPN 0359	Mon, Aug 03	9	I	3" LATE TURN OF DELAYED #352; 4" HEAVY ENTRAINING/DETRAINING ENROUTE
****	T		*1	(RAVINIA PK).
29% OT	Tue, Aug 04	9	I1	5" LATE TURN OF DELAYED #352; 4" SLOW ENTRAINING/DETRAINING EN-ROUTE.
	Wed, Aug 05	9	I1	5" LATE TURN OF DELAYED #352; 4" SLOW ENTRAINING/DETRAINING EN-ROUTE.
	Thu, Aug 06	18 29	I1 L1	19" LATE TURN OF DELAYED #352, OTC. 23" LATE TURN OF #352, OTC; 6" SLOW ENTRAINING/DETRAINING, RAVENSWOOD TO
	Fri, Aug 07	29	LI	LAKE FOREST.
	Tue, Aug 11	11	I	5" LATE TURN OF DELAYED #352; 6" HEAVY ENTRAINING/DETRAINING ENROUTE.
	Wed, Aug 12	9	1 I1	7" LATE TURN OF DELAYED #352; 0" HEAVY ENTRAINING ENROUTE.
	Mon, Aug 17	14	I1	7" LATE TURN OF #352; 7" HEAVY ENTRAINING, CLYBOURN TO CENTRAL; HEAVY
	, . rug 17	- '		DETRAINING, RAVINIA PK.
	Tue, Aug 18	9	I	2" LATE TURN OF DELAYED #352; 7" SLOW ENTRAINING/DETRAINING ENROUTE.
	Wed, Aug 19	9	Ī	4" LATE TURN OF DELAYED #352; 5" SLOW ENTRAINING/DETRAINING ENROUTE.
	Thu, Aug 20	62	K	9" LATE TURN OF #352, OTC; 53" TRUCK STUCK ON TKS, CENTRAL AVE.
	Tue, Aug 25	9	I1	7" LATE TURN OF DELAYED #352; 2" SLOW DETRAINING, ROGERS PK AND
	-			EVANSTON/CENTRAL.
	Thu, Aug 27	9	I1	5" LATE TURN OF #352, OTC; 4" HEAVY DETRAINING, RAVINIA PK.
	Fri, Aug 28	7	I1	7" LATE TURN OF #352, OTC.
	Mon, Aug 31	9	I1	7" LATE TURN OF DELAYED #352; 2" HEAVY DETRAINING, RAVINIA PK.

TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME August 2009

		M:4	Dalam	
Line Train		Minutes Late	Delay Code	Delay Explanation
UPN 0361	Mon, Aug 03	7	I	7" HEAVY ENTRAINING/DETRAINING ENROUTE.
52% OT	Tue, Aug 03	6	I	6" SLOW ENTRAINING/DETRAINING ENROUTE.
32 76 01	Thu, Aug 06	10	I	10" HEAVY/SLOW ENTRAINING/DETRAINING, CLYBOURN TO LKAE FOREST
	Thu, Aug 00	10	1	&WAUKEGAN.
	Thu, Aug 20	28	K	28" TRUCK STUCK ON TKS, CENTRAL AVE; #359 AHEAD ENROUTE.
	Fri, Aug 21	7	I	7" HEAVY ENTRAINING/DETRAINING, CLYBOURN TO HIGHLAND PK.
	Mon, Aug 24	7	I	7" HEAVY DETRAINING ENROUTE.
	Tue, Aug 25	10	I	10" HEAVY DETRAINING ENROUTE.
	Thu, Aug 27	7	Ī	7" HEAVY ENTRAINING/DETRAINING, RAVENSWOOD TO RAVINIA PK.
	Fri, Aug 28	7	I	7" HEAVY ENTRAINING/DETRAINING, CLYBOURN TO RAVINIA PK.
	Mon, Aug 31	7	I	7" HEAVY ENTRAINING/DETRAINING (RAVINIA PK).
UPN 0362		6	I1	6" LATE TURN OF DELAYED #361.
43% OT	Wed, Aug 05	18	I	5" LATE TURN OF DELAYED #361; 10" HELD FOR CONCERT FINALE, RAVINIA PK; 3"
				SLOW DETRAINING ENROUTE.
	Mon, Aug 10	7	I1	4" LATE TURN OF DELAYED #361; 3" HEAVY ENTRAINING/DETRAINING ENROUTE.
	Thu, Aug 13	15	I1	5" LATE TURN OF #361, WAUKEGAN; 10" REMOVED UNRULY PSGR, HIGHWOOD.
	Mon, Aug 17	15	I	5" LATE TURN OF #361, WAUKEGAN; 10" HEAVY ENTRAINING, RAVINIA PK.
	Thu, Aug 20	30	K1	28" LATE TURN OF #361, WAUKEGAN; 2" HEAVY ENTRAINING, RAVINIA PK; SLOW
				DETRAINING, BRAESIDE.
	Fri, Aug 21	10	I1	7" LATE TURN OF #361, WAUKEGAN; 3" HEAVY ENTRAINING, RAVINIA PK; SLOW
				DETRAINING, BRAESIDE.
	Mon, Aug 24	8	I1	7" LATE TURN OF DELAYED #361; 1" SLOW ENTRAINING/DETRAINING ENROUTE.
	Tue, Aug 25	10	I1	10" LATE TURN OF DELAYED #361.
	Wed, Aug 26	9	I1	5" LATE TURN OF DELAYED #361; 4" HEAVY/SLOW ENTRAINING/DE-TRAINING
	T	20		ENROUTE (RAVINIA PK) AND CONGESTION, LAKE ST.
	Fri, Aug 28	20	I	7" LATE TURN OF #361, WAUKEGAN; 13" HEAVY ENTRAINING, RAVINIA PK; SLOW
	M A 21	20		DETRAINING, BRAESIDE.
	Mon, Aug 31	28	I	7" LATE TURN OF DELAYED #361; 21" HEAVY ENTRAINING/DETRAINING ENROUTE
UPNW 0643	Tue, Aug 04	8	L	(RAVINIA PK). 8" TRESPASSER ON TRKS, IRVING PK.
81% OT	Wed, Aug 19	8	D	8" FRT TRN INT, EJE XING.
81 78 01	Thu, Aug 20	7	S	7" FOLLOWING #637 ENROUTE; FTX TEST, CRYSTAL LAKE JCT.
	Fri, Aug 21	6	N	6" COMED POWER OUTAGE FLAGGED PLANTS, CLYBOURN TO MAYFAIR.
UPNW 0652	Tue, Aug 04	7	U	7" SLOW ENTRAINING/TWO ADAS ENROUTE.
71% OT	Wed, Aug 05	10	I	10" HEAVY/SLOW ENTRAINING ENROUTE.
	Fri, Aug 07	7	I	7" HEAVY ENTRAINING ENROUTE.
	Thu, Aug 13	7	I	7" SLOW ENTRAINING/DETRAINING, CRYSTAL LAKE TO DESPLAINES; 2 ADA LIFTS
	,			ENROUTE.
	Fri, Aug 14	15	I	10" "LATE TURN OF #621" (NO DELAY REPORTED FOR #621); 5" HEAVY ENTRAINING
	Č			ENROUTE AND PSGR TRN INT, MAYFAIR.
	Fri, Aug 21	12	N	12" COMED POWER OUTAGE FLAGGED PLANTS, MAYFAIR TO CLYBOURN.
UPW 0034	Thu, Aug 06	14	F1	8" LATE TURN OF #19, ELMHURST; 6" FOLLOWING DELAYED #32 ENROUTE.
81% OT	Thu, Aug 13	6	G	6" #39 SWITCH FAILURE, A2.
	Wed, Aug 26	8	D1	8" DELAYED #32 AHEAD.
	Fri, Aug 28	22	D1	14" LATE TURN OF #19, ELMHURST; 8" SLOW ENTRAINING ENROUTE.
UPW 0036	Fri, Aug 07	7	D	7" WAITING FOR SIGNAL FRT X-TRAFFIC, W.CHICAGO.
81% OT	Mon, Aug 10	7	J	7" REMOVAL OF UNRULY PSGR W/BIKE, VILLA PK.
	Mon, Aug 17	7	J	7" SLOW TO GET DOOR LIGHT, REMOVE UNRULY PASSENGER
TIDAY 004:	Fri, Aug 28	15	D1	24" LATE TURN OF #13, ELBURN.
UPW 0044	Mon, Aug 03	8	CC	18" MOW, MP 27.5-26.5 AND OPERATED MT2, TURNER-PARK W/DISABLED #MCBPR-2 (IN
#/0/ OF	Tr	1.5	CC	EMERGENCY) AHEAD, PARK.
76% OT	Tue, Aug 11	15	CC	25" MOW, MP 37.2-36.5, 33.0-31.5 AND ON MT3 BETW TOWER A2 AND HALSTED, SLOW
	Thu Aug 12	15	CC	ENTRAINING, GENEVA & W CHI AND ADAS, WINFIELD & GLEN ELLYN.
	Thu, Aug 13	15	CC	25" FORM B, MP 37.2 TO 36.5 & 33 TO 31.5; ADA ENROUTE; SLOW ENTRAINING, GENEVA
	Fri, Aug 14	8	CC	TO ELMHURST. 18" MOW ENROUTE.
	Mon, Aug 31	8 15	CC	25" MOW, MP 37.2-36.5, 31.0-29.5 AND 17.0-15.5 AND OPERATED MT2, EJE XING-PARK.
	wion, Aug 31	13	CC	23 MON, MI 37.2-30.3, 31.0-27.3 AND 17.0-13.3 AND OPERATED MI2, EJE AINO-PARK.

TABLE 3 (continued): LIST OF WEEKDAY TRAINS LESS THAN 85% ON-TIME August 2009

			Minutes	Delay	
Line	Train	Date	Late	Code	Delay Explanation
UPW	0055	Wed, Aug 05	8	CC	8" #53 AHEAD.
819	% OT	Fri, Aug 14	7	I1	7" HEAVY ENTRAINING ENROUTE & #53 AHEAD.
		Mon, Aug 17	20	G1	20" DELAYED #53 AHEAD.
		Thu, Aug 20	8	KD	8" WAITING FOR SIGNAL, WESTERN; RAN ON BLOCKS ACCT B/O ATC, MP 12.5 TO
					ELBURN.
UPW	0061	Tue, Aug 11	27	G	27" SW #61 FAILED, TOWER A2. OPERATED MT2, HALSTED-KEDZIE.
819	% OT	Mon, Aug 17	18	G1	18" MADE ALL STOPS KEDZIE-ELMHURST (ACCTA ANNULLMENT OF #59).
		Mon, Aug 24	25	J1	25" MEETING DELAYED #60, PARK, FLAGGING EJE XING AND SLOW DE- TRAINING
					ENROUTE.
		Fri, Aug 28	7	Α	7" WAITING FOR SIGNAL, WESTERN.

Data is final (09/16/09) 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
В	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
В1	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
Н	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 IB	Passenger Handling, Running Time	XF	Train Annulled - B/O Car
	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

TABLE 5: DELAY CODES SORTED BY CAUSE CATEGORY

CATEO	COPY	CATE	CORV
	Definition	CATE	GORY Definition
-			
1	PASSENGER TRAIN INTERFERENCE	13 B1	HUMAN ERROR Human Error, Eng. Dept. Train Ahead
A1	Pass. Train Interference, Train Ahead		
A	Passenger Train Interference	В	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
С	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
01	AC/DC System Failure, Train Ahead	S	Operational (Efficiency) Testing
0	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		W	
	Train Annulled - B/O Car	1	Gas Leak Train Appulled Unauthorized Boople On Tele
12 E1	LOCOMOTIVE FAILURE Locomotive Melfonation Train Ahead	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
II .		XW	Train Annulled - Gas Leak

11/07/07 version

TABLE 6: NUMBER OF DELAYS BY DATE August 2009

WEEKDAY	3	4	5	6	7	10	11	12	13	14	17	18	19	20	21	24	25	26	27	28	31	TOTAL
	Mo	_	We	Th	Fr		Tu		Th		Mo	Tu		Th	Fr			We		Fr	Mo	 202111
BNSF	18	9	4	10	6	6	3	15	16	1	7	7	19	13	0	5	1	6	1	1	25	173
Elec -ML -BI	1 1	5	4	2	3	3	1	4	4 2	5 2	7 0	3	13 2	0	0	5	1 1	4 3	1 3	2	8	76 22
-SC	1	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	1	0	11
Heritage	2	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	1	1	0	1	1	9
Milw -N -W	1 1	0 0	0 8	0	3	3	3	0 0	6 1	12 5	16 12	1 0	3	0 0	2	1 0	2 6	2 2	4 0	2	0 7	61 45
NCS	1	0	0	0	2	5	0	0	1	9	10	2	1	0	1	0	0	0	0	0	3	35
RI	0	7	2	2	1	1	3	2	0	0	2	1	2	0	1	8	0	1	0	1	2	36
SWS	2	0	0	1	0	0	0	2	1	0	2	1	0	0	0	1	1	3	0	0	1	15
UP -N -NW -W	8 0 <u>2</u>	5 2 <u>0</u>	6 2 <u>1</u>	6 0 <u>10</u>	6 8 2	2 0 <u>2</u>	2 0 <u>7</u>	2 2 <u>1</u>	3 2 <u>5</u>	1 1 <u>6</u>	9 4 <u>16</u>	4 5 <u>0</u>	3 5 <u>1</u>	12 1 <u>3</u>	4 7 <u>0</u>	6 2 <u>2</u>	9 0 <u>4</u>	12 0 <u>1</u>	5 1 <u>1</u>	5 0 14	12 3 <u>1</u>	122 45 79
SYSTEM	38	28	28	31	32	25	23	29	41	43	87	27	53	30	16			35	16	28	63	729
																						l
SATURDAY	1	8	15	22	29	Τ	ТОТ	AL			SU	JND	AY/	HO	LID	AY	2	9	16	23	30	TOTAL
BNSF	1	1	5	0	0			7			BN	NSF					6	6	3	1	1	17
Elec -ML -BI	1 0	2	3	1 0	0			7 1			El		-ML -BI				0	0	1	0	0	1 -
-SC	0	2	1	0	2			5					-SC				0	0	0	0	0	0
Heritage	-	-	-	-	-			-			Н	erita	ge				-	-	-	-	-	-
Milw -N -W	1 5	4	3 1	0	0 1			8 11			Mi	ilw	-N -W				0	3	1 6	0 0	0 1	4 10
NCS	-	-	-	-	-			-			NO	CS					-	-	-	-	-	-
RI	2	0	2	1	3			8			RI						1	0	1	0	1	3
SWS	0	2	1	1	0			4			SV	VS					-	-	-	-	-	-
UP -N -NW	11 2	5		5	4			29 19			UI	•	-N -NW	7			7 4	4	2 4			22 10
-N W	<u>0</u>	<u>4</u>		5 <u>7</u>	2 <u>3</u>			19 <u>17</u>					-N W -W				<u>2</u>	<u>2</u>	<u>3</u>			10 12
SYSTEM	23	28	30	20	15			116			SY	STE	EM				20	18	21	10	10	79

Data is final (09/16/09) version from TOPS.

 $P: \label{lem:problem} P: \label{lem:problem$

TABLES 7.a, 7.b & 7.c: FREQUENCY OF TRAIN DELAYS BY CAUSE AND LINE August 2009

			Electric			Mil	w				Un	ion Pacif	ic	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	2	0	1	0	1	7	1	2	0	1	1	1	2	19
Freight Interference - Peak	28	0	0	0	3	3	4	3	1	2	1	3	9	57
Freight Interference - Off-Peak	9	0	0	0	0	2	4	6	0	9	2	1	15	48
Freight Interference - Total	37	0	0	0	3	5	8	9	1	11	3	4	24	105
Accident	0	0	0	0	0	0	8	0	0	0	0	0	1	9
Passenger Loading	9	27	12	10	0	10	5	0	4	0	104	20	15	216
Lift Deployment	5	0	0	0	0	1	0	0	9	0	1	1	4	21
Obstruction/Debris	1	4	0	0	2	0	0	4	1	2	6	2	1	23
Signal/Switch Failure	45	10	6	0	0	27	13	16	8	1	2	5	21	154
Track Work	66	18	1	3	2	5	8	0	6	0	37	7	17	170
Catenary Failure	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Locomotive Equipment Failure	0	1	1	1	0	3	1	0	0	0	3	0	9	19
Locomotive Failure	6	3	0	0	0	5	15	0	11	2	0	4	2	48
Human Error	7	6	0	1	1	4	1	1	5	2	5	8	4	45
Sick, Injured, Unruly Passenger	1	4	1	1	0	6	5	1	2	0	7	8	8	44
Weather	16	0	0	0	0	0	0	2	0	0	0	2	0	20
Other	2	11	1	0	0	0	1	0	0	0	4	12	0	31
TOTAL TRAINS DELAYED	197	84	23	16	9	73	66	35	47	19	173	74	108	924

August - Average Over Previous Five Years: 2004-2008

		J	Electric			Mil	w				Un	ion Pacif	ic	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	1	2	1	0	1	3	3	1	1	1	1	1	1	17
Freight Interference - Peak	9	0	0	0	5	1	0	2	2	4	0	2	5	30
Freight Interference - Off-Peak	6	0	0	0	0	6	4	1	3	9	1	1	25	56
Freight Interference - Total	15	0	0	0	5	7	4	3	5	13	1	3	30	86
Accident	23	0	1	1	1	1	6	1	5	1	0	6	6	51
Passenger Loading	8	5	2	2	0	10	5	0	9	0	54	10	5	110
Lift Deployment	1	0	0	0	0	5	2	1	3	0	1	1	2	14
Obstruction/Debris	14	3	2	2	0	3	4	0	2	0	3	5	6	45
Signal/Switch Failure	5	10	1	2	3	16	14	5	5	11	7	4	14	97
Track Work	10	2	1	7	1	4	7	2	2	2	19	5	6	67
Catenary Failure	0	1	0	1	0	0	0	0	0	0	0	0	0	3
Non-Locomotive Equipment Failure	1	3	1	0	0	1	0	0	1	1	3	0	1	13
Locomotive Failure	8	0	0	0	0	2	6	1	2	1	3	4	4	31
Human Error	11	3	1	0	1	8	7	2	6	1	12	10	5	66
Sick, Injured, Unruly Passenger	2	5	1	0	0	3	2	0	1	0	2	2	1	21
Weather	7	10	2	3	2	6	14	3	8	4	8	12	12	91
Other	2	2	0	0	0	2	1	1	3	0	2	3	2	20
TOTAL TRAINS DELAYED	108	47	13	20	13	72	77	20	53	34	114	65	95	731

August 2009 Divergence From August Average Over Previous Five Years

]	Electric			Mil	w				Un	ion Pacifi	c	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	1	-2	0	0	0	4	-2	1	-1	0	0	0	1	2
Freight Interference - Peak	19	0	0	0	-2	2	4	1	-1	-2	1	1	4	27
Freight Interference - Off-Peak	3	0	0	0	0	-4	0	5	-3	0	1	0	-10	-8
Freight Interference - Total	22	0	0	0	-2	-2	4	6	-4	-2	2	1	-6	19
Accident	-23	0	-1	-1	-1	-1	2	-1	-5	-1	0	-6	-5	-42
Passenger Loading	1	22	10	8	0	0	0	0	-5	0	50	10	10	106
Lift Deployment	4	0	0	0	0	-4	-2	-1	6	0	0	0	2	7
Obstruction/Debris	-13	1	-2	-2	2	-3	-4	4	-1	2	3	-3	-5	-22
Signal/Switch Failure	40	0	5	-2	-3	11	-1	11	3	-10	-5	1	7	57
Track Work	56	16	0	-4	1	1	1	-2	4	-2	18	2	11	103
Catenary Failure	0	-1	0	-1	0	0	0	0	0	0	0	0	0	-3
Non-Locomotive Equipment Failure	-1	-2	0	1	0	2	1	0	-1	-1	0	0	8	6
Locomotive Failure	-2	3	0	0	0	3	9	-1	9	1	-3	0	-2	17
Human Error	-4	3	-1	1	0	-4	-6	-1	-1	1	-7	-2	-1	-21
Sick, Injured, Unruly Passenger	-1	-1	0	1	0	3	3	1	1	0	5	6	7	23
Weather	9	-10	-2	-3	-2	-6	-14	-1	-8	-4	-8	-10	-12	-71
Other	0	9	1	0	0	-2	0	-1	-3	0	2	9	-2	11
TOTAL TRAINS DELAYED	89	37	10	-4	-4	1	-11	15	-6	-15	59	9	13	193

Data for current month is final (09/16/09) version from TOPS.

 $P: \label{lem:continuous} P: \label{lem:co$

TABLES 8.a, 8.b & 8.c: FREQUENCY OF TRAIN DELAYS BY CAUSE AND LINE January-August 2009

		J	Electric			Mil	w				Un	ion Pacifi	ic	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	54	22	8	3	4	24	15	17	24	13	8	6	15	213
Freight Interference - Peak	67	0	0	0	23	8	15	23	13	15	3	13	24	204
Freight Interference - Off-Peak	57	0	0	0	0	27	30	36	32	63	5	13	42	305
Freight Interference - Total	124	0	0	0	23	35	45	59	45	78	8	26	66	509
Accident	49	14	1	20	2	3	21	4	9	8	29	39	4	203
Passenger Loading	56	128	53	37	0	37	10	3	77	1	388	127	60	977
Lift Deployment	18	2	0	0	0	16	0	5	45	3	20	16	24	149
Obstruction/Debris	101	12	2	9	2	41	30	11	12	5	14	23	31	293
Signal/Switch Failure	283	61	23	18	22	190	70	68	57	49	49	72	89	1,051
Track Work	158	31	16	14	4	47	32	5	20	10	57	27	60	481
Catenary Failure	0	18	12	17	0	0	0	0	0	0	0	0	2	49
Non-Locomotive Equipment Failure	11	33	19	10	0	14	3	2	4	6	7	7	17	133
Locomotive Failure	126	6	1	0	2	79	62	8	47	16	20	37	29	433
Human Error	82	21	8	8	4	32	10	4	21	19	61	41	29	340
Sick, Injured, Unruly Passenger	38	36	6	19	1	23	22	5	19	0	31	31	29	260
Weather	100	52	6	15	14	93	47	22	74	27	127	70	70	717
Other	12	25	7	4	1	5	6	0	28	9	34	17	22	170
TOTAL TRAINS DELAYED	1,212	461	162	174	79	639	373	213	482	244	853	539	547	5,978

January-August - Average Over Previous Five Years: 2004-2008

			Electric			Mil	w				Un	ion Pacifi	ic	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	15	16	7	4	4	37	33	8	13	8	6	7	11	169
Freight Interference - Peak	55	0	0	0	39	10	19	19	15	26	3	13	43	244
Freight Interference - Off-Peak	76	0	1	0	0	63	35	22	28	49	7	17	178	475
Freight Interference - Total	131	0	1	0	39	73	54	41	43	75	10	30	221	719
Accident	63	3	2	8	1	31	35	12	20	8	13	36	28	259
Passenger Loading	36	45	22	21	0	69	37	2	100	0	190	35	29	587
Lift Deployment	9	0	0	0	1	24	16	5	23	1	5	7	13	103
Obstruction/Debris	56	10	7	18	2	23	23	5	16	7	15	28	29	239
Signal/Switch Failure	135	62	15	17	20	105	106	42	54	45	25	43	84	752
Track Work	45	28	5	31	3	36	29	14	19	8	46	21	24	310
Catenary Failure	0	24	6	11	0	0	0	0	0	0	0	0	0	41
Non-Locomotive Equipment Failure	18	23	13	7	0	6	6	2	8	2	10	6	10	109
Locomotive Failure	54	1	0	0	2	40	39	11	36	5	14	23	20	245
Human Error	85	30	8	13	4	45	47	10	45	11	51	48	28	426
Sick, Injured, Unruly Passenger	23	29	6	6	1	26	17	2	26	1	18	18	14	185
Weather	63	48	13	13	6	81	55	15	59	13	53	56	47	522
Other	25	14	5	4	2	21	15	7	19	5	20	27	26	191
TOTAL TRAINS DELAYED	758	333	108	154	84	615	510	178	481	188	476	386	585	4,857

January-August 2009 Divergence From January-August Average Over Previous Five Years

		I	Electric			Mil	w				Un	ion Pacif	ic	
CAUSE CATEGORY	BNSF	ML	BI	SC	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Passenger Train Interference	39	6	1	-1	0	-13	-18	9	11	5	2	-1	4	44
Freight Interference - Peak	12	0	0	0	-16	-2	-4	4	-2	-11	0	0	-19	-40
Freight Interference - Off-Peak	-19	0	-1	0	0	-36	-5	14	4	14	-2	-4	-136	-170
Freight Interference - Total	-7	0	-1	0	-16	-38	-9	18	2	3	-2	-4	-155	-210
Accident	-14	11	-1	12	1	-28	-14	-8	-11	0	16	3	-24	-56
Passenger Loading	20	83	31	16	0	-32	-27	1	-23	1	198	92	31	390
Lift Deployment	9	2	0	0	-1	-8	-16	0	22	2	15	9	11	46
Obstruction/Debris	45	2	-5	-9	0	18	7	6	-4	-2	-1	-5	2	54
Signal/Switch Failure	148	-1	8	1	2	85	-36	26	3	4	24	29	5	299
Track Work	113	3	11	-17	1	11	3	-9	1	2	11	6	36	171
Catenary Failure	0	-6	6	6	0	0	0	0	0	0	0	0	2	8
Non-Locomotive Equipment Failure	-7	10	6	3	0	8	-3	0	-4	4	-3	1	7	24
Locomotive Failure	72	5	1	0	0	39	23	-3	11	11	6	14	9	188
Human Error	-3	-9	0	-5	0	-13	-37	-6	-24	8	10	-7	1	-86
Sick, Injured, Unruly Passenger	15	7	0	13	0	-3	5	3	-7	-1	13	13	15	75
Weather	37	4	-7	2	8	12	-8	7	15	14	74	14	23	195
Other	-13	11	2	0	-1	-16	-9	-7	9	4	14	-10	-4	-21
TOTAL TRAINS DELAYED	454	128	54	20	-5	24	-137	35	1	56	377	153	-38	1,121

Data for current month is final (09/16/09) version from TOPS.

P:\ONTIME\report\[DelaysByCause16Cats.xls]YTDByLine 09/18/2009

TABLES 9.a & 9.b: FREQUENCY OF TRAIN DELAYS BY CAUSE & MONTH 2009

CAUSE CATEGORY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan -	Aug
Passenger Train Interference	52	43	12	28	18	24	17	19					213	3.6%
Freight Interference - Peak	40	15	21	16	13	24	18	57					204	3.4%
Freight Interference - Off-Peak	56	22	42	28	38	36	35	48					305	5.1%
Freight Interference - Total	96	37	63	44	51	60	53	105					509	8.5%
Accident	98	12	9	27	8	20	20	9					203	3.4%
Passenger Loading	45	33	51	21	84	249	278	216					977	16.3%
Lift Deployment	23	15	13	8	12	16	41	21					149	2.5%
Obstruction/Debris	29	48	31	36	34	47	45	23					293	4.9%
Signal/Switch Failure	263	97	107	67	103	189	71	154					1,051	17.6%
Track Work	15	15	25	58	47	117	34	170					481	8.0%
Catenary Failure	2	8	0	11	1	19	8	0					49	0.8%
Non-Locomotive Equipment Failure	9	9	7	6	26	41	16	19					133	2.2%
Locomotive Failure	107	80	49	44	48	17	40	48					433	7.2%
Human Error	38	19	28	30	71	57	52	45					340	5.7%
Sick, Injured, Unruly Passenger	23	32	27	10	22	46	56	44					260	4.3%
Weather	599	9	11	4	1	62	11	20					717	12.0%
Other	27	10	37	18	14	16	17	31					170	2.8%
TOTAL TRAINS DELAYED	1,426	467	470	412	540	980	759	924					5,978	100%

Data for current month is final (09/16/09) version from TOPS.

2008

CAUSE CATEGORY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan -	· Aug
Passenger Train Interference	30	30	17	7	3	6	8	4	47	25	16	65	105	1.9%
Freight Interference - Peak	29	38	27	30	17	35	28	23	48	43	26	25	227	4.0%
Freight Interference - Off-Peak	71	81	<i>78</i>	51	46	39	47	59	87	91	50	39	472	8.4%
Freight Interference - Total	100	119	105	81	63	74	75	82	135	134	76	64	699	12.4%
Accident	81	33	36	34	57	44	11	16	39	2	15	83	312	5.6%
Passenger Loading	72	76	80	22	62	193	203	188	78	92	117	87	896	16.0%
Lift Deployment	24	14	18	20	15	15	16	26	16	12	17	23	148	2.6%
Obstruction/Debris	46	55	18	21	10	40	30	7	15	24	29	23	227	4.0%
Signal/Switch Failure	174	99	124	128	83	94	90	108	149	106	169	171	900	16.0%
Track Work	19	11	24	54	35	73	61	67	52	122	119	56	344	6.1%
Catenary Failure	16	2	5	0	2	0	0	1	9	2	8	11	26	0.5%
Non-Locomotive Equipment Failure	55	15	10	9	6	14	14	15	12	21	10	17	138	2.5%
Locomotive Failure	39	44	34	45	9	24	43	41	32	31	55	40	279	5.0%
Human Error	57	58	39	30	46	52	65	77	39	78	39	70	424	7.6%
Sick, Injured, Unruly Passenger	43	25	18	21	20	29	38	20	21	43	33	29	214	3.8%
Weather	173	277	32	10	10	23	29	131	25	11	41	683	685	12.2%
Other	25	43	22	39	19	33	15	22	54	107	16	73	218	3.9%
TOTAL TRAINS DELAYED	954	901	582	521	440	714	698	805	723	810	760	1,495	5,615	100%

09/18/2009

TABLE 10: FREIGHT DELAYS ON METRA DIESEL LINES between September 2007 and August 2009

			Mil	W				Un	ion Pacif	ic	
	BNSF	HER	N	W	NCS	RI	SWS	N	NW	W	SYSTEM
Sep-07	4	3	16	8	10	5	6	5	0	30	87
Oct-07	10	5	14	3	10	1	13	1	2	18	77
Nov-07	16	3	12	4	1	2	14	3	25	20	100
Dec-07	2	3	14	5	8	9	12	1	1	34	89
Jan-08	24	4	11	2	3	11	10	3	11	21	100
Feb-08	17	9	4	8	9	7	8	8	12	36	118
Mar-08	10	14	8	3	2	2	16	3	6	41	105
Apr-08	4	5	8	15	6	4	18	0	2	19	81
May-08	10	5	10	2	2	6	11	3	0	14	63
Jun-08	8	4	9	7	17	8	10	0	4	7	74
Jul-08	12	4	10	5	4	9	6	2	3	20	75
Aug-08	15	6	10	3	3	5	12	2	1	25	82
Total	132	65	126	65	75	69	136	31	67	285	1,051
Sep-08	35	4	8	2	7	9	17	3	8	42	135
Oct-08	28	7	7	5	1	10	26	8	0	42	134
Nov-08	9	5	5	4	1	6	15	1	9	21	76
Dec-08	5	4	8	9	10	5	13	2	4	4	64
Jan-09	20	7	6	9	18	5	21	0	4	6	96
Feb-09	6	2	1	6	9	5	6	0	0	2	37
Mar-09	13	3	3	5	8	8	10	4	1	8	63
Apr-09	18	1	3	2	0	5	5	0	4	6	44
May-09	11	1	4	3	7	6	10	1	4	4	51
Jun-09	6	3	6	7	6	5	11	0	5	11	60
Jul-09	13	3	7	5	2	10	4	0	4	5	53
Aug-09	37	3	5	8	9	1	11	3	4	24	105
Total	201	43	63	65	78	75	149	22	47	175	918

Data for current month is final (09/16/09) version from TOPS.

TABLES 11.a & 11.b: FREQUENCY OF LIFT-DEPLOYMENT TRAIN DELAYS BY LINE & MONTH $2009\,$

													Lift	% of All
													Delays	Delays
LINE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	YTD
BNSF	0	2	1	1	2	3	4	5					18	1.49%
Electric ML	0	0	0	0	0	2	0	0					2	0.43%
Electric BI	0	0	0	0	0	0	0	0					0	0.00%
Electric SC	0	0	0	0	0	0	0	0					0	0.00%
HER	0	0	0	0	0	0	0	0					0	0.00%
Milw N	13	0	0	0	0	0	2	1					16	2.50%
Milw W	0	0	0	0	0	0	0	0					0	0.00%
NCS	1	0	1	0	1	2	0	0					5	2.35%
RI	3	5	6	1	3	3	15	9					45	9.34%
SWS	0	0	0	3	0	0	0	0					3	1.23%
UP N	1	0	2	1	3	1	11	1					20	2.34%
UP NW	1	4	1	1	2	0	6	1					16	2.97%
UP W	4	4	2	1	1	5	3	4					24	4.39%
Total Lift Delays	23	15	13	8	12	16	41	21					149	2.49%
ALL DELAYS														5,978

Data for current month is final (09/16/09) version from TOPS.

2008

													Lift	% of All
													Delays	Delays
LINE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		All Year
BNSF	1	1	3	0	0	1	0	0	0	2	2	0	10	0.67%
Electric ML	0	0	0	0	0	0	0	0	1	0	0	1	2	0.32%
Electric BI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
Electric SC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
HER	0	0	0	0	0	0	0	1	0	0	0	0	1	0.57%
Milw N	2	0	3	4	6	1	8	12	2	3	3	5	49	4.60%
Milw W	1	2	2	1	1	3	8	3	1	0	0	5	27	4.33%
NCS	2	1	0	2	1	0	0	1	2	0	0	0	9	2.96%
RI	9	4	5	0	5	6	0	4	3	2	11	10	59	6.66%
SWS	0	0	0	1	0	0	0	0	0	0	0	0	1	0.23%
UP N	3	2	2	0	0	1	0	1	3	1	1	0	14	1.05%
UP NW	3	3	2	9	0	3	0	2	2	3	0	2	29	3.19%
UP W	3	1	1	3	2	0	0	2	2	1	0	0	15	1.39%
Total Lift Delays	24	14	18	20	15	15	16	26	16	12	17	23	216	2.30%
ALL DELAYS			·		·			·		·	·			9,403

09/18/2009

TABLE 12: FREQUENCY OF TRAIN DELAYS BY DURATION August 2009

							gust 200							
Minutes	BNSF		Electric	~ ~	Her	Milwa		NCS	RI	SWS		UP		System
		ML	BI	SC		N	W				N	NW	W	
Peak *														
6-10	41	25	5	1	4	16	8	7	11	1	30	15	17	181
11-15	32	6	1	0	3	3	1	2	5	1	7	2	7	70
16-20	10	0	0	0	1	3	4	3	2	1	3	2	3	32
21+	21	0	0	0	1	5	11	5	1	0	4	4	17	69
Annulled	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>2</u>	9
Sub-Total	109	31	6	1	9	27	24	17	20	3	44	24	46	361
Off-Peak *:	*													
6-10	29	40	13	12	0	24	16	13	22	8	66	26	27	296
11-15	22	9	3	1	0	11	11	3	2	3	29	12	14	120
16-20	13	4	0	1	0	8	5	1	0	1	13	7	9	62
21+	22	0	1	1	0	3	10	1	2	4	21	5	11	81
Annulled	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	4
Sub-Total	88	53	17	15	0	46	42	18	27	16	129	50	62	563
August 200	9 Total													
6-10	70	65	18	13	4	40	24	20	33	9	96	41	44	477
11-15	54	15	4	1	3	14	12	5	7	4	36	14	21	190
16-20	23	4	0	1	1	11	9	4	2	2	16	9	12	94
21+	43	0	1	1	1	8	21	6	3	4	25	9	28	150
Annulled	<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>13</u>
TOTAL	197	84	23	16	9	73	66	35	47	19	173	74	108	924
2009 Year-1	to-Date													
6-10	527	288	115	99	25	222	126	94	290	96	490	279	278	2,929
11-15	267	81	22	29	17	174	104	44	87	52	168	120	109	1,274
16-20	136	48	8	11	14	101	55	28	39	37	62	44	49	632
21+	231	40	14	25	23	133	74	44	51	57	119	80	97	988
Annulled	<u>51</u>	<u>4</u>	<u>3</u>	<u>10</u>	<u>0</u>	<u>9</u>	<u>14</u>	<u>3</u>	<u>15</u>	<u>2</u>	<u>14</u>	<u>16</u>	<u>14</u>	<u>155</u>
TOTAL	1,212	461	162	174	79	639	373	213	482	244	853	539	547	5,978
		PFI	RCENT	COMP	OSITIO	N OF I	DELAV	S RV R	ANGE (OF DIT	2 A TION	J		
		1 121	KCEIVI	COM	OBITIC	JI OF I	DELIXI	O D I K	MIGE	or ber		1		
Minutes	BNSF		Electric		Her	Milwa		NCS	RI	SWS		UP		System
		ML	BI	SC		N	W				N	NW	W	
August 200														
6-10	35.5%	77.4%	78.3%	81.3%	44.4%	54.8%	36.4%	57.1%	70.2%	47.4%	55.5%	55.4%	40.7%	51.6%
11-15	27.4%	17.9%	17.4%	6.3%	33.3%	19.2%	18.2%	14.3%	14.9%	21.1%	20.8%	18.9%	19.4%	20.6%
16-20	11.7%	4.8%	0.0%	6.3%	11.1%	15.1%	13.6%	11.4%	4.3%	10.5%	9.2%	12.2%	11.1%	10.2%
21+	21.8%	0.0%	4.3%	6.3%	11.1%	11.0%	31.8%	17.1%	6.4%	21.1%	14.5%	12.2%	25.9%	16.2%
Annulled	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	1.4%	<u>2.8%</u>	1.4%
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%
2009 Year-1	to-Date L	elays By	Duratio	n										
6-10	43.5%	62.5%	71.0%	56.9%	31.6%	34.7%	33.8%	44.1%	60.2%	39.3%	57.4%	51.8%	50.8%	49.0%
11-15	22.0%	17.6%	13.6%	16.7%	21.5%	27.2%	27.9%	20.7%	18.0%	21.3%	19.7%	22.3%	19.9%	21.3%
16-20	11.2%	10.4%	4.9%	6.3%	17.7%	15.8%	14.7%	13.1%	8.1%	15.2%	7.3%	8.2%	9.0%	10.6%
21+	19.1%	8.7%	8.6%	14.4%	29.1%	20.8%	19.8%	20.7%	10.6%	23.4%	14.0%	14.8%	17.7%	16.5%
Annulled	4.2%	0.9%	1.9%	5.7%	0.0%	1.4%	3.8%	1.4%	3.1%	0.8%	1.6%	3.0%	2.6%	2.6%
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 (09/16/09) 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			ĺ	N	NW	W]
August 200	9													
Peak *	15.8	8.7	8.5	7.0	15.6	12.6	20.4	19.1	11.6	13.0	11.8	18.3	18.8	15.1
Off-Peak **	17.4	9.1	8.6	12.2		12.5	20.7	10.1	10.9	19.2	14.4	12.6	14.3	14.1
All	16.5	9.0	8.6	11.9	15.6	12.5	20.6	14.5	11.2	18.2	13.7	14.4	16.2	14.5
2009 Year-1	to-Data													
2007 Tear-t	v-Duie													ı
Peak *	16.1	12.0	10.7	13.4	18.9	16.6	16.2	14.7	13.6	17.4	16.9	16.1	14.4	15.5
Off-Peak **	16.7	12.4	10.7	12.8		16.2	18.2	19.2	11.9	17.1	14.4	14.3	15.0	15.0
All	16.3	12.2	10.7	12.9	18.9	16.3	17.4	16.8	12.5	17.1	15.1	15.1	14.7	15.2

Excludes annulled trains, which do not have delay times.

9/18/2009

^{*}Includes peak direction trains operating during weekday peak periods. **Includes all other weekday and weekend trains. Data for most recent month is final (09/16/09) version from TOPS.