

On-Time Performance

July 2019



Prepared by the Division of Strategic Capital Planning

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This report presents an analysis of July 2019 train delays as reported for Metra's eleven rail lines. On-time is defined, for this analysis, as those regularly scheduled trains arriving at their last station stop less than six minutes behind schedule. Trains that are six minutes or more behind schedule, including annulled trains (trains that do not complete their scheduled runs), are regarded as late. "Extra" trains (trains added to handle special events but not shown in the regularly published timetables) are excluded from on-time performance calculations unless shown in special-event schedules that include all intermediate station stop times and are distributed publicly via Metra's website or on paper flyers. Cancelled (not annulled) trains and non-revenue trains are also excluded from on-time performance calculations.

On-Time Performance Tables

Table 1 shows the total number of scheduled and delayed trains for each line by service period for the current month and year-to-date.

Table 2 lists on-time percentages by line for each month and year since 2014.

Table 3 lists each weekday train that was less than 85% on-time for the current month, in order of line, train, and dates delayed. The codes in the *Delay Code* column of Table 3 are defined and shown sorted by cause category and carrier designation in Table 4.

Table 5 shows the number of delays by cause and line for the current month, including a 5-year average. The table highlights the top two delay causes for each line.

Table 6 shows the number of delays by cause and line for year-to-date, including a 5-year average. The table highlights the top two delay causes for each line.

Table 7 shows the number of delays by cause and month for the current year and prior year. The table highlights the top two delay causes for each month.

For Tables 5 through 7, delays by cause are separated into *Metra/PSA* and *Foreign* designations, where applicable. *Metra/PSA* refers to delays that may be directly or indirectly attributed to Metra or Metra Purchase of Service Agreement partners (BNSF and UP) in commuter rail operation. *Foreign* refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. *Foreign* also includes delays attributable to BNSF and Union Pacific freight operations. See Table 4 for a detailed breakdown of delay codes by cause category and carrier designation.

Table 8 shows the number of delays by duration and service period for each line.

Reporting Calculations for Temporary Schedules & Special Events

Planned construction projects or special events can adversely affect on-time performance. Metra occasionally publishes full temporary schedules, which supersede the standard published schedules, to inform riders of possible delays or modifications to regular service. Metra also may publish informational notices to accompany temporary schedules. On-time performance is calculated using the temporary schedules and any accompanying notices.

**Table 1.a: Scheduled Trains, Delayed Trains, and On-Time Performance by Service Period and Line
July 2019**

	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	1,232	90	92.7%	911	72	92.1%	2,143	162	92.4%	127	2	98.4%	108	3	97.2%	2,378	167	93.0%
Elec -ML	921	40	95.7%	927	19	98.0%	1,848	59	96.8%	158	13	91.8%	100	3	97.0%	2,106	75	96.4%
-BI	286	11	96.2%	308	10	96.8%	594	21	96.5%	32	1	96.9%	--	--	--	626	22	96.5%
-SC	<u>286</u>	<u>9</u>	96.9%	<u>682</u>	<u>7</u>	99.0%	<u>968</u>	<u>16</u>	98.3%	<u>128</u>	<u>1</u>	99.2%	<u>100</u>	<u>0</u>	100.0%	<u>1,196</u>	<u>17</u>	98.6%
Subtotal	1,493	60	96.0%	1,917	36	98.1%	3,410	96	97.2%	318	15	95.3%	200	3	98.5%	3,928	114	97.1%
Heritage	132	12	90.9%	22	4	81.8%	154	16	89.6%	--	--	--	--	--	--	154	16	89.6%
Milw -N	571	63	89.0%	815	64	92.1%	1,386	127	90.8%	80	21	73.8%	90	17	81.1%	1,556	165	89.4%
-W	<u>593</u>	<u>15</u>	97.5%	<u>683</u>	<u>20</u>	97.1%	<u>1,276</u>	<u>35</u>	97.3%	<u>96</u>	<u>5</u>	94.8%	<u>90</u>	<u>8</u>	91.1%	<u>1,462</u>	<u>48</u>	96.7%
Subtotal	1,164	78	93.3%	1,498	84	94.4%	2,662	162	93.9%	176	26	85.2%	180	25	86.1%	3,018	213	92.9%
NCS	198	6	97.0%	242	15	93.8%	440	21	95.2%	--	--	--	--	--	--	440	21	95.2%
RI	792	99	87.5%	704	87	87.6%	1,496	186	87.6%	176	23	86.9%	140	4	97.1%	1,812	213	88.2%
SWS	242	18	92.6%	418	36	91.4%	660	54	91.8%	24	1	95.8%	--	--	--	684	55	92.0%
UP -N	658	33	95.0%	874	35	96.0%	1,532	68	95.6%	108	16	85.2%	92	9	90.2%	1,732	93	94.6%
-NW	722	82	88.6%	706	30	95.8%	1,428	112	92.2%	136	26	80.9%	105	17	83.8%	1,669	155	90.7%
-W	<u>593</u>	<u>41</u>	93.1%	<u>705</u>	<u>80</u>	88.7%	<u>1,298</u>	<u>121</u>	90.7%	<u>82</u>	<u>3</u>	96.3%	<u>92</u>	<u>7</u>	92.4%	<u>1,472</u>	<u>131</u>	91.1%
Subtotal	1,973	156	92.1%	2,285	145	93.7%	4,258	301	92.9%	326	45	86.2%	289	33	88.6%	4,873	379	92.2%
System	7,226	519	92.8%	7,997	479	94.0%	15,223	998	93.4%	1,147	112	90.2%	917	68	92.6%	17,287	1,178	93.2%

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

Delays data for most recent month is final (09/03/19) version from TOPS.

**Table 1.b: Scheduled Trains, Delayed Trains, and On-Time Performance by Service Period and Line
January - July 2019**

	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	8,068	550	93.2%	6,086	358	94.1%	14,154	908	93.6%	871	38	95.6%	624	12	98.1%	15,649	958	93.9%
Elec -ML	6,115	196	96.8%	6,138	169	97.2%	12,253	365	97.0%	1,158	38	96.7%	660	7	98.9%	14,071	410	97.1%
-BI	1,901	60	96.8%	2,051	54	97.4%	3,952	114	97.1%	272	2	99.3%	40	0	100.0%	4,264	116	97.3%
-SC	<u>1,904</u>	<u>42</u>	97.8%	<u>4,552</u>	<u>84</u>	98.2%	<u>6,456</u>	<u>126</u>	98.0%	<u>928</u>	<u>6</u>	99.4%	<u>660</u>	<u>6</u>	99.1%	<u>8,044</u>	<u>138</u>	98.3%
Subtotal	9,920	298	97.0%	12,741	307	97.6%	22,661	605	97.3%	2,358	46	98.0%	1,360	13	99.0%	26,379	664	97.5%
Heritage	894	117	86.9%	149	24	83.9%	1,043	141	86.5%	--	--	--	--	--	--	1,043	141	86.5%
Milw -N	3,806	346	90.9%	5,389	417	92.3%	9,195	763	91.7%	609	92	84.9%	594	52	91.2%	10,398	907	91.3%
-W	<u>3,994</u>	<u>225</u>	94.4%	<u>4,603</u>	<u>200</u>	95.7%	<u>8,597</u>	<u>425</u>	95.1%	<u>728</u>	<u>33</u>	95.5%	<u>595</u>	<u>26</u>	95.6%	<u>9,920</u>	<u>484</u>	95.1%
Subtotal	7,800	571	92.7%	9,992	617	93.8%	17,792	1,188	93.3%	1,337	125	90.7%	1,189	78	93.4%	20,318	1,391	93.2%
NCS	1,337	67	95.0%	1,631	115	92.9%	2,968	182	93.9%	--	--	--	--	--	--	2,968	182	93.9%
RI	5,334	513	90.4%	4,745	410	91.4%	10,079	923	90.8%	1,094	72	93.4%	944	35	96.3%	12,117	1,030	91.5%
SWS	1,633	110	93.3%	2,827	221	92.2%	4,460	331	92.6%	180	8	95.6%	--	--	--	4,640	339	92.7%
UP -N	4,450	283	93.6%	5,927	229	96.1%	10,377	512	95.1%	791	90	88.6%	603	31	94.9%	11,771	633	94.6%
-NW	4,903	427	91.3%	4,760	230	95.2%	9,663	657	93.2%	818	74	91.0%	555	62	88.8%	11,036	793	92.8%
-W	<u>4,013</u>	<u>401</u>	90.0%	<u>4,762</u>	<u>473</u>	90.1%	<u>8,775</u>	<u>874</u>	90.0%	<u>608</u>	<u>46</u>	92.4%	<u>598</u>	<u>36</u>	94.0%	<u>9,981</u>	<u>956</u>	90.4%
Subtotal	13,366	1,111	91.7%	15,449	932	94.0%	28,815	2,043	92.9%	2,217	210	90.5%	1,756	129	92.7%	32,788	2,382	92.7%
System	48,352	3,337	93.1%	53,620	2,984	94.4%	101,972	6,321	93.8%	8,057	499	93.8%	5,873	267	95.5%	115,902	7,087	93.9%

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

Delays data for most recent month is final (09/03/19) version from TOPS.

Table 2: On-Time Performance by Line

Line	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-Jul	Annual
BNSF	2014	78.6	84.6	95.6	92.0	82.2	82.0	94.1	91.4	94.1	92.2	95.2	94.1	87.1%	89.7%
	2015	90.9	90.1	96.8	97.5	96.6	92.4	93.0	95.4	95.8	93.6	93.5	97.4	93.9%	94.4%
	2016	93.2	93.8	95.9	96.8	94.0	93.5	93.8	91.4	91.3	95.2	95.4	93.1	94.4%	94.0%
	2017	95.9	95.6	96.2	96.3	95.4	93.7	96.2	94.4	92.7	93.8	91.8	92.1	95.6%	94.5%
	2018	89.6	91.6	92.7	94.2	90.5	92.2	91.6	92.7	92.0	92.4	92.5	95.1	91.7%	92.2%
	2019	92.7	88.8	97.8	95.1	94.9	94.6	93.0						93.9%	
	2014-2018 average	89.6	91.2	95.4	95.4	91.7	90.8	93.7	93.0	93.2	93.4	93.7	94.4	92.6%	93.0%
Electric	2014	93.7	95.3	97.7	98.8	98.3	97.4	96.7	98.1	98.7	98.4	98.6	98.7	96.8%	97.5%
	2015	96.3	95.4	98.4	98.4	98.3	97.7	96.5	98.2	97.9	97.8	97.8	99.0	97.3%	97.6%
	2016	98.0	98.6	98.8	98.9	98.9	96.5	97.9	98.5	97.1	98.6	97.7	97.7	98.2%	98.1%
	2017	95.6	98.9	98.3	98.9	98.7	97.1	98.7	98.5	98.2	98.3	97.8	98.4	98.0%	98.1%
	2018	97.7	97.2	99.1	99.0	99.2	97.7	98.2	98.6	98.6	98.2	97.7	95.9	98.3%	98.1%
	2019	96.4	90.7	99.6	99.7	98.6	99.5	97.1						97.5%	
	2014-2018 average	96.2	97.1	98.5	98.8	98.7	97.2	97.6	98.4	98.1	98.3	97.9	98.0	97.7%	97.9%
Heritage	2014	79.5	75.8	88.1	93.2	92.1	94.4	94.7	93.7	92.1	97.8	96.5	98.5	88.4%	91.4%
	2015	92.1	90.0	96.2	88.6	85.8	89.4	92.0	85.7	86.5	98.5	85.0	90.9	90.7%	90.2%
	2016	90.0	92.9	97.4	97.3	95.2	94.8	87.9	94.4	94.6	98.0	94.6	91.8	93.8%	94.2%
	2017	93.9	94.3	96.9	96.4	94.2	89.0	90.7	97.5	95.7	90.3	88.4	90.7	93.6%	93.2%
	2018	86.4	90.7	90.9	95.2	73.4	87.1	93.9	93.2	96.2	88.8	87.8	90.7	88.1%	89.4%
	2019	81.8	82.1	87.1	87.7	85.1	92.1	89.6						86.5%	
	2014-2018 average	88.4	89.0	94.1	94.3	88.0	90.9	91.8	93.2	93.2	94.4	90.4	92.5	91.0%	91.7%
Milw - N	2014	73.1	81.9	89.5	97.9	95.1	91.1	96.0	95.2	95.5	96.2	95.4	93.5	89.3%	91.7%
	2015	91.8	87.9	93.5	95.1	95.4	94.8	97.1	94.9	95.6	97.9	97.0	96.8	93.7%	94.9%
	2016	95.3	94.2	95.7	96.8	92.5	92.9	95.0	93.1	93.8	97.5	95.1	93.8	94.6%	94.6%
	2017	95.3	95.6	96.5	96.1	95.9	93.4	88.4	93.1	90.4	93.9	94.8	92.4	94.5%	93.8%
	2018	91.8	89.2	95.2	91.6	92.4	93.6	94.8	94.8	92.4	92.0	90.3	94.3	92.7%	92.7%
	2019	88.4	85.2	94.2	94.3	94.3	92.3	89.4						91.3%	
	2014-2018 average	89.4	89.8	94.1	95.5	94.3	93.2	94.3	94.2	93.6	95.5	94.5	94.2	93.0%	93.6%
Milw - W	2014	84.8	88.4	91.4	97.6	95.9	92.2	94.0	93.5	96.7	95.5	97.7	94.6	92.1%	93.5%
	2015	93.6	93.0	94.8	97.7	97.2	95.4	96.6	96.8	97.8	99.0	98.2	96.5	95.5%	96.4%
	2016	94.0	95.3	94.4	96.0	94.9	93.6	92.1	95.2	97.4	97.0	95.6	93.3	94.3%	94.9%
	2017	96.9	95.2	95.2	95.6	97.5	95.8	96.3	96.3	95.5	96.7	96.9	88.2	96.1%	95.5%
	2018	94.7	91.3	96.3	97.7	95.8	96.5	97.4	96.6	96.4	95.7	93.2	96.6	95.7%	95.7%
	2019	92.3	91.9	96.4	95.7	95.5	97.0	96.7						95.1%	
	2014-2018 average	92.8	92.7	94.4	96.9	96.3	94.7	95.3	95.7	96.8	96.8	96.3	93.9	94.7%	95.2%
NCS	2014	76.0	81.1	88.5	96.3	88.5	89.2	94.0	88.5	95.2	90.9	97.8	91.9	87.8%	89.9%
	2015	93.9	82.5	92.6	94.8	95.7	94.8	96.0	92.6	95.2	97.1	96.1	93.6	93.0%	93.8%
	2016	92.3	95.5	91.7	93.3	94.4	96.3	95.0	96.4	96.1	95.5	95.2	92.6	94.0%	94.5%
	2017	92.6	91.6	95.1	95.2	95.5	95.7	94.8	98.0	92.7	91.9	92.6	92.0	94.4%	94.0%
	2018	93.2	86.4	95.9	95.5	90.0	92.9	98.8	93.3	93.2	96.1	90.0	88.5	93.3%	92.9%
	2019	87.6	91.8	95.0	95.2	95.0	97.3	95.2						93.9%	
	2014-2018 average	89.6	87.5	92.7	95.0	92.8	93.8	95.7	93.9	94.6	94.2	94.4	91.9	92.5%	93.0%

Table 2 (continued): On-Time Performance by Line

Line	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-Jul	Annual
RI	2014	82.5	83.4	93.4	95.3	95.7	92.5	95.1	97.2	96.6	97.3	97.9	98.6	91.2%	93.8%
	2015	97.4	95.3	98.9	98.7	97.8	97.4	94.2	97.0	96.3	97.3	97.1	97.4	97.1%	97.1%
	2016	92.6	96.2	95.8	96.5	97.9	96.2	93.5	96.3	96.0	98.2	97.9	95.3	95.5%	96.1%
	2017	95.2	97.1	97.8	98.0	94.6	96.0	95.3	95.2	95.7	95.9	94.0	92.8	96.3%	95.7%
	2018	92.2	90.2	95.7	96.8	94.8	95.0	96.7	94.9	95.6	97.2	93.3	95.4	94.5%	94.8%
	2019	89.8	87.1	96.7	95.7	88.9	94.0	88.2						91.5%	
	2014-2018 average	92.0	92.6	96.4	97.1	96.1	95.5	94.9	96.1	96.0	97.2	96.0	95.9	95.0%	95.5%
SWS	2014	83.0	92.0	93.5	94.9	93.2	92.8	93.9	95.2	94.2	92.0	90.2	96.2	91.9%	92.6%
	2015	94.7	89.7	95.6	96.1	96.3	91.1	92.4	93.8	97.6	96.8	96.0	94.4	93.7%	94.5%
	2016	95.6	97.2	97.8	95.6	91.9	95.3	94.1	93.3	91.6	97.4	96.6	96.2	95.4%	95.2%
	2017	96.2	94.1	96.4	97.3	92.8	97.1	97.1	94.3	96.3	93.7	90.1	93.8	95.8%	94.9%
	2018	93.9	90.5	92.0	95.4	92.4	87.1	91.9	92.7	94.8	93.6	93.1	95.2	91.9%	92.7%
	2019	90.4	91.0	93.8	94.4	95.3	91.7	92.0						92.7%	
	2014-2018 average	92.6	92.8	95.1	95.8	93.3	92.7	93.8	93.8	94.9	94.7	93.2	95.2	93.7%	94.0%
UP - N	2014	91.2	92.1	97.4	97.8	97.4	97.2	97.6	98.1	97.6	97.4	97.8	98.3	95.8%	96.7%
	2015	98.6	95.6	98.3	97.1	97.7	98.2	97.0	95.9	98.2	97.0	97.6	98.4	97.5%	97.5%
	2016	96.9	98.6	97.1	98.3	98.3	98.2	97.0	96.0	98.1	99.1	98.0	98.1	97.8%	97.8%
	2017	95.6	99.0	98.3	97.0	97.3	97.3	95.6	97.7	96.9	98.1	96.9	96.0	97.2%	97.2%
	2018	97.6	94.2	97.1	97.4	97.6	97.2	97.7	96.6	97.4	96.8	94.2	94.8	97.0%	96.6%
	2019	90.7	89.1	96.9	97.6	97.6	95.3	94.6						94.6%	
	2014-2018 average	96.0	95.9	97.7	97.5	97.7	97.6	97.0	96.9	97.7	97.7	96.9	97.2	97.1%	97.1%
UP - NW	2014	86.6	91.1	96.3	98.6	95.6	95.2	94.7	97.4	98.3	95.0	97.1	96.2	94.0%	95.2%
	2015	96.0	91.6	97.6	96.3	96.9	96.8	94.1	96.5	96.1	97.5	96.7	97.5	95.7%	96.2%
	2016	97.0	98.1	97.8	98.1	96.0	96.6	94.9	96.8	96.9	96.5	93.2	93.4	96.9%	96.3%
	2017	96.2	97.4	98.1	93.7	97.2	93.3	92.2	94.6	93.8	94.8	95.6	94.6	95.5%	95.1%
	2018	95.7	90.7	95.8	98.0	95.6	91.3	95.5	95.8	94.7	97.8	92.4	94.9	94.7%	94.9%
	2019	90.3	89.9	94.8	93.4	95.7	94.7	90.7						92.8%	
	2014-2018 average	94.3	93.8	97.1	97.0	96.3	94.7	94.3	96.2	96.0	96.3	95.0	95.4	95.4%	95.5%
UP - W	2014	85.9	90.9	94.4	96.7	96.4	94.8	96.4	94.3	96.7	94.6	95.9	96.2	93.7%	94.4%
	2015	93.9	91.1	96.1	96.3	97.5	93.9	93.9	95.9	96.0	96.1	97.3	96.8	94.7%	95.4%
	2016	97.8	93.4	97.2	96.7	90.1	94.4	96.6	96.0	96.2	95.6	94.0	92.9	95.2%	95.1%
	2017	95.0	96.5	96.1	92.9	93.8	92.4	94.8	94.3	94.7	92.9	94.8	90.7	94.5%	94.1%
	2018	92.3	89.0	94.4	92.8	88.9	93.9	91.6	89.9	92.9	92.2	91.2	88.5	91.9%	91.5%
	2019	90.4	77.0	90.7	94.0	92.9	95.9	91.1						90.4%	
	2014-2018 average	92.9	92.2	95.7	95.1	93.3	93.9	94.6	94.0	95.3	94.3	94.6	93.1	94.0%	94.1%
System excluding South Shore	2014	85.6	89.3	94.9	96.8	94.5	93.1	95.6	95.7	96.8	95.9	96.9	96.5	92.8%	94.3%
	2015	94.9	92.5	97.0	97.2	97.2	95.8	95.3	96.3	96.8	97.0	96.8	97.5	95.7%	96.2%
	2016	95.8	96.4	96.8	97.4	95.8	95.5	95.4	95.7	95.7	97.4	96.2	95.2	96.2%	96.1%
	2017	95.6	96.9	97.2	96.6	96.5	95.3	95.5	96.0	95.2	95.7	95.2	93.9	96.2%	95.8%
	2018	94.2	92.3	95.9	96.3	94.5	94.6	95.6	95.3	95.4	95.5	93.6	94.6	94.8%	94.8%
	2019	91.8	88.2	96.3	96.1	95.3	95.8	93.2						93.9%	
2014-2018 average	93.2	93.5	96.4	96.9	95.7	94.9	95.5	95.8	96.0	96.3	95.7	95.6	95.2%	95.5%	

Delays data for most recent month is final (09/03/19) version from TOPS.

'2014-2018 average' calculated by summing the delays over the five years, summing the trains run over the five years, and calculating their ratio.

**Table 3: Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late	Delay		
BNSF	1243 82% OT	Wed, Jul 03	7	VE	DELAY DUE TO ALERTER WITH NO AUDIBLE WARNING ON METX 199. TRAIN WENT INTO PENALTY AT BELMONT.	
		Fri, Jul 12	0	R1	ANNULLED DUE TO SWITCH CREW BLOCKING THE LEAD AT 14TH STREET FOLLOWING A SIDESWIPE	
		Thu, Jul 18	10	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
		Wed, Jul 31	7	G	DELAY DUE TO SIGNAL INDICATION AT DOWNERS GROVE.	
BNSF	1249 82% OT	Mon, Jul 01	17	F	TRAIN WAS DELAYED DUE TO THE DOOR NOT CLOSING ON METX 8236. DELAYED AT CUS AND EN ROUTE.	
		Tue, Jul 09	20	GM	DELAY DUE TO STOPPING AT CROSSING FOR BOX 2.	
		Fri, Jul 12	34	R1	DELAY DUE TO BLOCKED LEAD AT 14TH STREET FOLLOWING A SIDESWIPE BY THE YARD CREW.	
		Wed, Jul 31	7	VF	DELAY DUE TO DOORS NOT CLOSING ON THE METX 785. NO ISSUE FOUND.	
BNSF	1251 77% OT	Mon, Jul 01	8	F1	DELAY DUE TO 1249 HAVING DOOR ISSUES AND LATE DEPARTURE FROM CUS.	
		Fri, Jul 12	19	R1	DELAY DUE TO SWITCH CREW BLOCKING THE LEAD AT 14TH STREET FOLLOWING A SIDESWIPE	
		Wed, Jul 17	8	E1	DELAY DUE TO STOPPING TWICE TO ASSIST 1276. 1276 HAD ENGINE PROBLEMS.	
		Thu, Jul 18	10	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
BNSF	1255 77% OT	Tue, Jul 02	9	I1	DELAY DUE TO PASSENGER INTERFERENCE BY 1249 AT FAIRVIEW.	
		Tue, Jul 09	12	GM	DELAY DUE TO CROSSING MALFUNCTION.	
		Fri, Jul 12	0	R1	ANNULLED DUE TO SWITCH CREW BLOCKING THE LEAD AT 14TH STREET FOLLOWING A SIDESWIPE	
		Mon, Jul 15	15	CW1	DELAY DUE TO HEAT INSPECTIONS	
BNSF	1259 82% OT	Thu, Jul 18	8	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
		Tue, Jul 23	7	U	DELAY DUE TO PASSENGER LOADING ISSUES. THE TRAIN HAD MULTIPLE ADA PASSENGERS THAT LINED UP AT DIFFERENT LOCATIONS TO BOARD THE TRAIN.	
		Fri, Jul 26	42	GA	DELAY DUE TO AMTRAK SWITCH FAILURE IN UNION STATION.	
		Tue, Jul 30	8	G1	DELAY DUE TO SWITCH FAILURE AT CICERO A AND WAITING AT BERWYN FOR 1251 TO CROSSOVER.	
BNSF	1261 82% OT	Tue, Jul 02	7	JM1	DELAY DUE TO LATE FLIP FOLLOWING MEDICAL EMERGENCY AS 1272.	
		Fri, Jul 05	8	ZR1	DELAY DUE TO INBOUND DELAY TO 1272.	
		Fri, Jul 26	40	GA	DELAY DUE TO AMTRAK SWITCH FAILURE IN UNION STATION.	
		Mon, Jul 29	8	ZR1	DELAY DUE TO 1263 HAVING A PTC PENALTY AND UNABLE TO RECOVER QUICKLY AHEAD OF 1261.	
BNSF	1270 82% OT	Wed, Jul 03	17	D	DELAY DUE TO LATE DEPARTURE OF C-ATMCM AND EXTRA A-9535 FLIPPING AT EOLA.	
		Mon, Jul 08	7	I	DELAY DUE TO PASSENGER LOADING AT ROUTE 59. THERE WAS A LARGE GROUP THAT CAUSED THE TRAIN TO DEPART LATE.	
		Thu, Jul 18	7	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
		Wed, Jul 31	21	J	DELAY DUE TO UNRULY PASSENGER BEING REMOVED BY POLICE AT NAPERVILLE.	
BNSF	1272 77% OT	Tue, Jul 02	15	JM	DELAY DUE TO PASSENGER PASSED OUT ON THE TRAIN IN AURORA. EMTS REVIVED AND REMOVED PASSENGER.	
		Wed, Jul 03	15	D	DELAY DUE TO C-ATMCM RUNNING LATE AND A-9535 HAVING TO FLIP ENDS AT EOLA.	
		Fri, Jul 05	11	ZR	DELAY DUE TO TROUBLE INITIALIZING PTC.	
		Thu, Jul 18	7	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
BNSF	1276 82% OT	Wed, Jul 31	11	J1	DELAY DUE TO FOLLOWING 1270 WHICH WAS DELAYED BY AN UNRULY PASSENGER AT NAPERVILLE.	
		Mon, Jul 15	11	CW	DELAY DUE TO HEAT INSPECTIONS AT HIGHLANDS.	
		Thu, Jul 18	12	GW	TRAIN HAD TO BE TALKED BY EVERY SIGNAL BETWEEN NAPERVILLE TO EOLA DUE TO INCLEMENT WEATHER EFFECTING SIGNAL SYSTEM.	
		Fri, Jul 26	8	GA	DELAY DUE TO AMTRAK SWITCH FAILURE IN UNION STATION.	
BNSF	1281 82% OT	Wed, Jul 31	9	KP	DELAY DUE TO POLICE ACTIVITY ON THE PLATFORM AT AURORA.	
		Mon, Jul 01	13	GM	DELAY DUE TO CROSSING MALFUNCTION AT LA GRANGE RD (BROKEN GATE).	
		Tue, Jul 02	10	E1	DELAY DUE TO BEING STUCK BEHIND 1273 WHICH LOST THE METX 183 EN ROUTE AND THEN ACCOMODATED THEIR STOPS.	
		Fri, Jul 05	7	I1	DELAY DUE TO WAITING FOR 1373 TO CLEAR INTO THE YARD AT AURORA.	
BNSF	1283 77% OT	Fri, Jul 26	19	GA	DELAY DUE TO FAILED AMTRAK CROSSOVER SWITCH IN UNION STATION FROM THE YARD.	
		Mon, Jul 01	14	GM	DELAY DUE TO CROSSING MALFUNCTION AT LA GRANGE RD (BROKEN GATE).	
		Tue, Jul 09	14	E1	FOLLOWING TRAFFIC AHEAD	
		Thu, Jul 11	7	J	DELAY DUE TO HEAVY PASSENGER LOADING/UNLOADING AT NAPERVILLE/RT 59.	
BNSF	1373 77% OT	Fri, Jul 12	0	R1	DELAY DUE TO BLOCKED LEAD AT 14TH STREET FOLLOWING A SIDESWIPE BY THE YARD CREW.	
		Fri, Jul 26	17	GA	DELAY DUE TO FAILED AMTRAK CROSSOVER SWITCH IN UNION STATION FROM THE YARD.	
		Mon, Jul 01	13	GM	DELAY DUE TO CROSSING MALFUNCTION AT LA GRANGE RD (BROKEN GATE).	
		Tue, Jul 09	10	E1	WORKING AROUND 1273	
BNSF	1373 77% OT	Fri, Jul 12	12	R1	DELAY DUE TO BLOCKED LEAD AT 14TH STREET FOLLOWING A SIDESWIPE BY THE YARD CREW.	
		Fri, Jul 26	6	GA	DELAY DUE TO FAILED AMTRAK CROSSOVER SWITCH IN UNION STATION FROM THE YARD.	
		Tue, Jul 30	12	JM	DELAY DUE TO PASSENGER MEDICAL EMERGENCY AT CUS.	

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late			
HC	915	Mon, Jul 01	6		D1	(FRT TRN INF, TRN AHD) - 10M CORWITH BNSF ZSTOWSP628 (LITE POWER) BLOCKED BY SWITCH MOVE ENTERING CORWITH YARD.
	82% OT	Mon, Jul 08	17		GF	(FREIGHT TRAIN INTERFERENCE) - SWITCH FAILURE ARGO CAUSED 915 TO FOLLOW CN FREIGHT.
		Tue, Jul 23	18		RF	(FRT.DISP-OPER/NON-FRT.TRAIN ER) - 20M STATEVILLE RED SIGNAL NO ROUTE. UPRR DISP PUT LG4CHR UP6607 NORTH W/6623FT AND MASPR CSXT531 NORTH W
		Wed, Jul 31	15		D	(FREIGHT TRAIN INTERFERENCE) - 15M BRIGHTON UP IRLCHR UP6584 W/ 105CARS 10,000FT MAKING A CREW CHANGE GOING INTO ASHLAND AVE.
HC	921	Wed, Jul 10	11		D	(FREIGHT TRAIN INTERFERENCE) - 14M CORWITH 625/638PM FOR BNSF ZCHIDEN BNSF7230 WEST W/7273FT.
	82% OT	Mon, Jul 15	27		KP	(TELECOM FAILURE) - 30M CP CANAL RED SIGNAL 641/711PM ACCT. FIRE/ EVACUATION AT IHB RR DISPATCHING CENTER. NO RADIO OR PHONE COMMUNICATION A
		Wed, Jul 17	30		D	(FREIGHT TRAIN INTERFERENCE) - 18M BRIGHTON 630/648PM FOR BNSF JOB156 WHO STOPPED GOING INTO ASHLAND AVE YARD.
		Thu, Jul 18	8		GF1	(SIG/SWT MALFN.FOREIGN LINE TRN) - DEPART CUS 10M LATE/ LATE FLIP OF HCD#924.
ELML	140	Tue, Jul 02	0		XOW	POWER ISSUES
	82% OT	Wed, Jul 03	15		I	LATE TURN FROM 709 AND PASSANGER HANDLING
		Wed, Jul 17	6		Q	FAX MACHINE @ UP KEEP JAMMING UP. 14M LATE OUT OF UNIVERSITY PARK.
		Fri, Jul 19	35		KP1	35M DUE TO CPD ON THE TRACKS.
MN	2125	Mon, Jul 15	8		CC	10" LIBERTYVILLE WAITING ON 2146.
	82% OT	Wed, Jul 17	11		G	11" DELAY, TALKED BY STOP SIGNAL GRAYSLAKE.
		Fri, Jul 26	11		L1	10" RONDOUT MEETING #2146; 4" NEAR MISS AT FOREST GLEN; 3" CUS LATE CREW FROM #2138.
		Wed, Jul 31	13		GM	5" PASSENGER LOADING, 1" ITEM 2 TOUHY AVE.; 10" RONDOUT WAITING ON 2146.
MN	2129	Mon, Jul 01	11		G1	9" TRAIN CONGESTION AT DEERFIELD WAITING ON #2146, & #2127/2148; 4" CROSS TRAFFIC, CN.
	68% OT	Thu, Jul 11	10		G	8" TALKED BY STOP SIGNAL AT MAYFAIR-RESTRICTED SPEED; 2" DEERFIELD WAITING ON 2127
		Mon, Jul 15	6		CC	3" 40 MPH MP 17.5-20.2, 5" MEETING 2146, 2148.
		Tue, Jul 16	8		CC	6" SPEED (TRACK WORK) RESTRICTIONS, 4" FOLLOWING 2127.
		Wed, Jul 17	18		G	4"CROSS TRAFFIC MAYFAIR; 6" STOP SIGNAL DEERFIELD, 4" TALKED BY LIBERTYVILLE; 6" TALKED BY CN.
		Thu, Jul 18	15		JM1	15" DELAY, STOPPED BEHIND #2127.
Fri, Jul 19	8		DE1	8" TRAIN CONGESTION AT DEERFIELD, 2146 WAS DOWN 6 MIN.		
MN	2131	Wed, Jul 10	9		D	4" ADA, 7" FOLLOWING CP FREIGHT A-20 TO RONDOUT, 3" CROSS TRAFFIC CN.
	77% OT	Thu, Jul 11	7		G	4" CUS TALKED BY WASHINGTON ST.; 4" MAYFAIR STOP-RESTRICTED SPEED; 3" ADA.
		Wed, Jul 17	27		G	11" CUS AIR LEAK, BRAKE CYLINDER, LOCO #73 MECH. CUT OUT 1 ; 4" PASSENGER LOADING; 12" SIGNAL PROBLEMS LIBERTY-GRAYSLAKE.
		Thu, Jul 18	8		JM1	8" DELAY, FOLLOWING TRAINS.
Fri, Jul 19	12		DE1	12" DELAY, FOLLOWING CP (CLASSIC CLOWNERY) 281 FROM A-20 TO DEERFIELD DURING RUSH HOUR.		
MN	2135	Tue, Jul 02	0		XE	ANNULLED @ LIBERTYVILLE, LOCO #419 STOPPED LOADING WEST OF RONDOUT, #2139 TIED ONTO #2135 BECOMING #2135/2139 COMBO TO FOX LAKE.
	76% OT	Thu, Jul 11	10		ZR1	5" CUS TALKED BY WASHINGTON ST." 6" BLOCKED BY A STOPPED UP PASSENGER TRAIN 51 WITH PTC (SEAT-BOX FAULT) ISSUES/DILEMMA; 2" ADA.
		Mon, Jul 15	7		G1	10" FOLLOWING 2133.
		Tue, Jul 16	6		CC	6" CROSS TRAFFIC MAYFAIR; 2" SPEED RESTRICTION.
		Wed, Jul 17	24		G1	26" LATE FOLLOWING TRAINS FROM MAYFAIR TO DEERFIELD; 6" SIGNAL PROBLEM CN.
MN	2137	Mon, Jul 01	7		G	7" DELAY, RESTRICTED SPEED FROM EDGEBROOK-MORTON GROVE.
	73% OT	Thu, Jul 11	7		ZR1	7" DELAY, FOLLOWING #2135.
		Mon, Jul 15	9		G1	3" STOP SIGNAL A-3; 7" FOLLOWING TRAIN AHEAD.
		Tue, Jul 16	8		CC	3" ADA; 6" CROSS TRAFFIC MAYFAIR; 3" FOLLOWING TRAINS AHEAD.
		Wed, Jul 17	19		G1	8" FOLLOWING TRAINS; 3" ADA; 6" CROSS TRAFFIC MAYFAIR; 2" A-20; 5" FOLLOWING TRAINS AHEAD.
		Tue, Jul 30	6		H	12" MECHANICAL ISSUES.
MN	2139	Mon, Jul 01	11		G1	12" DELAY, FOLLOWING #2137.
	73% OT	Tue, Jul 02	49		E1	49" DELAY, DUE TO #2135 MECHANICAL PROBLEMS.
		Mon, Jul 08	9		G	11" SIGNAL PROBLEM BETWEEN MAYFAIR AND MORTON GROVE.
		Thu, Jul 11	10		K	3" CUS TALKED BY WASHINGTON ST.; 2" ADA; 5" VEHICLE NEAR THE TRACKS AT LAKE FOREST.
		Mon, Jul 15	8		G1	2" ADA; 5" FOLLOWING TRAINS AHEAD; 3" SPEED RESTRICTION.
		Wed, Jul 17	20		G1	20" DELAY: 2" ADA AND FOLLOWING TRAINS AHEAD.
MN	2141	Mon, Jul 01	7		G1	8" FOLLOWING #2139 AND #2137.
	77% OT	Tue, Jul 02	44		E1	44" DELAY, FOLLOWING #2135/2139 COMBO.
		Wed, Jul 10	7		U	ADA
		Thu, Jul 11	8		K1	10" FOLLOWING #2139.
		Wed, Jul 17	15		G1	20" ENROUTE A-20 TO FOX LAKE FOLLOWING TRAINS AHEAD.
MN	2147	Fri, Jul 05	15		YF	16" STOP SIGNAL (CN DERAILMENT).
	82% OT	Wed, Jul 17	12		G1	3" APPROACH RESTRICTING A-20; 10" LIBERTYVILLE MEETING A LATE #120.
		Fri, Jul 26	9		RF	9" LIBERTYVILLE MEETING #120.
		Mon, Jul 29	8		D	9" CROSS TRAFFIC NCS119, 7" AT GRAYSLAKE WAITING ON M2149
MN	2151	Tue, Jul 02	9		E1	9" LIBERTYVILLE MEETING A VERY LATE #2158.
	77% OT	Mon, Jul 08	7		G	7" SIGNAL PROBLEMS MAYFAIR-MORTON GROVE.
		Fri, Jul 19	6		JM	8" WESTERN AVE. DEPOT WAITING ON MEDICAL PERSONAL; CREW CAMEUPON AN INCAPACITATED MALE LAYING ON THE PLATFORM.
		Thu, Jul 25	10		D	10" DELAY, CN CROSS TRAFFIC.
		Tue, Jul 30	26		H1	25" FORM B AT LAKE COOK RD & SPEED RESTRICTIONS; 4" CUS LATE TURN FROM #2152.

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late	Delay		
MN	2156 68% OT	Mon, Jul 01	9	G1	8" WAITING ON #2143 TO YARD; 5" PASSENGER LOADING.	
		Fri, Jul 05	16	YF1	14" GRAYSLAKE WAITING ON A LATE #2147; 6" MEETING #2149 AT LIBERTYVILLE.	
		Thu, Jul 11	10	DE1	8" WAITING ON 2143 TO YARD; 10" RONDOUT WAITING ON 2149 TO CLEAR 2 MAIN.	
		Mon, Jul 15	7	G1	8" FOX LAKE WAITING ON A LATE 2143 TO YARD	
		Wed, Jul 17	13	G1	15" LATE TURN FROM 2147 AT GRAYSLAKE; 6" LIBERTYVILLE MEETING #2149.	
		Thu, Jul 18	11	RF	11" WAITING ON #2143 TO YARD; 6" LIBERTYVILLE MEETING #2149.	
		Tue, Jul 30	10	D1	8" WAITING ON 2143 TO YARD, 4" CN CROSS TRAFFIC, 4" CROSS TRAFFIC MAYFAIR.	
MN	2158 77% OT	Tue, Jul 02	24	E1	25" DELAY, WAITING ON #2143; MEETING #2149 @ GRAYSLAKE; MEETING #2151 AT LIBERTYVILLE.	
		Wed, Jul 10	10	D	14" ENROUTE FOLLOWING CP FREIGHT AND AMTRAK 342 FROM RONDOUT TO A-20 AND MORTON GROVE.	
		Thu, Jul 11	18	DE1	15" GRAYSLAKE WAITING ON A LATE 2149; 15" MEETING 2151 AT LIBERTYVILLE; 10" UP CROSS TRAFFIC MAYFAIR; 12" GRAYLAND...	
		Mon, Jul 22	11	D1	10" WAITING ON #2149.	
		Mon, Jul 29	10	D	8" CN CROSS TRAFFIC ; 8" WAITING ON M2149	
NCS	114 73% OT	Mon, Jul 15	12	D	8" STOP SIGNAL LAKE VILLA FREIGHT INTERFERENCE; 5" FREIGHT INTERFERENCE, FOLLOWING FREIGHT LAKE VILLA-MUNDELEIN; 2" ANTIOCH...	
		Wed, Jul 17	11	G	11" TALKED BY STOP SIGNAL AT GRAYSLAKE AND RESTRICTED SPEED TO LOMOND.	
		Thu, Jul 18	7	D	6" STOP SIGNAL DEVAL, FREIGHT INTERFERENCE; 4" SLOW PASSENGER LOADING DUE TO WEATHER (RAIN).	
		Wed, Jul 24	10	D	8" STOP SIGNAL GRAYSLAKE, FREIGHT INTERFERENCE; 5" TRACK CONSTRUCTION, PERMISSION THROUGH FOREMAN CALDERON'S LIMITS	
		Fri, Jul 26	9	I	8" SLOW PASSENGER BOARDING, PASSENGERS ON WRONG SIDE @ WHEELING & PROSPECT HEIGHTS.; 1" STOP SIGNAL, DEVAL.	
		Mon, Jul 29	9	CC	9" TRACK CONSTRUCTION, STOP SIGNAL @ B-12 WAITING ON ELGIN TRAIN TO CLEAR FORMAN OCHOA'S LIMITS	
RI	302 82% OT	Tue, Jul 02	18	ZT1	- LATE FLIP OFF OF DH3021	
		Fri, Jul 19	6	GM	3M ADA MIDLOTHIAN TO LSS 4M PTC PROBLEMS AT ITEM 2 AT 115TH	
		Wed, Jul 24	7	RD	(HUMAN ERROR, METRA DISP.) - LINED 302 INTO DEPOT TRACK NUMBER 8 AND THEY NEEDED TO BE IN 7. HAD TO HAVE THEM SHOVE CLEAR TO GET THEM LINED	
		Fri, Jul 26	12	F	(CAR CAB/TRAILER/MU MALFUNCTION) - 10M 7364 CAR DOOR LIGHT OUTSIDE STAY ON AND NO DOOR LIGHT ON THE CAB CAR 8561	
RI	411 77% OT	Wed, Jul 03	16	ZG	PTC RESTRICTION	
		Mon, Jul 08	25	K	(OBSTRUCTION ON TRACKS) - VAN FLIPPED OVER ON 112TH STREET	
		Fri, Jul 12	0	XE	(LOCOMOTIVE MALFUNCTION) - LAST STOP MADE AT OAK FOREST AND THEN 413 HAD TO TIE ON AND GET THEM INTO THE YARD	
		Fri, Jul 19	8	NW	SIGNAL JUMPING UP AND DOWN	
		Wed, Jul 24	6	H	DEPARTED LSS 7M LATE DUE TO LATEEQUIPMENT OUT OF YARD DUE TO AIR ISSUES ON MIDDLE CAR.	
RI	419 77% OT	Wed, Jul 03	6	ZG	(PTC WAYSIDE) - ROBBINS PTC ISSUE	
		Mon, Jul 08	23	K	LATE TURN FROM 422 WITH VAN FLIPPED OVER AT 112TH ST	
		Wed, Jul 10	12	E	(LOCOMOTIVE MALFUNCTION) - HEP ISSUES ON ENG 420. ADDED ENG 425 ON TOP	
		Fri, Jul 12	36	E1	(LOCO MALFCN, TRN AHD) - FOLLOWING THE RI411 AND ALL THE OTHER TRAINS	
		Tue, Jul 16	23	ZT	(PTC BACK OFFICE) - 13M BETWEEN OAK FOREST AND TINLEY PARK 80TH ACCOUNT PTC ISSUES	
RI	421 77% OT	Tue, Jul 02	6	OW1	5M SLOW LOADING BI	
		Wed, Jul 03	13	ZG1	(PTC WAYSIDE) - DEPARTED LSS 10M LATE ACCT LATE TURN FROM 4212]	
		Fri, Jul 12	19	G	(SIG/SWT MALFUNCTION) - SIGNAL PROBLEMS AT CP81 AND PTC NOT WORKING TO GIVE PSS	
		Mon, Jul 15	20	G	(SIG/SWT MALFUNCTION) - 10M 191ST ST ACCOUNT RED SIGNAL. PTC WOULD NOT ALLOW TRAIN PAST THIS INTERMITTENT RED SIGNAL.	
		Mon, Jul 22	34	CC1	DEPARTED LSS 32M LATE ACCT LATE TURN FROM 4212.	
RI	422 82% OT	Tue, Jul 02	6	RD	3M GRESHAM STOP SIGNAL, STACKED AFTER 413.	
		Mon, Jul 08	21	K	(OBSTRUCTION ON TRACKS) - V20 M VAN FLIPPED OVER ON TRACKS AT 112TH. AFTER CLEARING HAD TO GO WALKING SPEED THRU THE AREA	
		Fri, Jul 26	6	CC	(SCHEDULED TRACK WORK) - TEMP SPEED RESTRICTION 25 MPH AT 35.4	
		Mon, Jul 29	6	ZT	(PTC BACK OFFICE) - 4M CP 81ST SYSTEM SHUT DOWN ACCT TERMINAL EXCEEDED THE INVISIBLE PARAMETERS	
RI	423 82% OT	Wed, Jul 03	21	ZG	(PTC WAYSIDE) - PTC SIGNAL	
		Fri, Jul 12	20	E1	(LOCO MALFCN, TRN AHD) - DUE TO RI411	
		Mon, Jul 22	22	CC1	DEPARTED LSS 23M LATE ACCT LATE TURN FROM 4232.	
		Wed, Jul 31	12	RO1	(HUMAN ERROR, METRA OPR. TRN AH) - DEPARTED LSS 7M LATE ACCT LATE TURN FROM 4232	
RI	428 77% OT	Wed, Jul 03	17	ZG1	(PTC WAYSIDE) - DEPARTED CP RICHARDS 14M LATE DUE TO LATE FLIP FROM RI423	
		Fri, Jul 12	8	E1	(PSGR HANDLING, TRN AHD) - LATE DEPARTURE DUE TO FLIP OFF	
		Tue, Jul 16	6	G	(SIG/SWT MALFUNCTION) - FLAGGED BY SIGNAL AT BROADWAY	
		Mon, Jul 22	10	CC1	(SCHEDULED TRACK WORK TRN AHD) - SHORT FLIP	
		Mon, Jul 29	11	D	(FREIGHT TRAIN INTERFERENCE) - ROUTED 2 TO 1 AT CP 66TH CT BEHIND 525	
RI	508 77% OT	Tue, Jul 09	10	CC	(SCHEDULED TRACK WORK) - UNABLE TO HEAR THE FOREMAN FOR BUL 1648 HAD TO RELAY	
		Thu, Jul 11	20	CC	(SCHEDULED TRACK WORK) - HAD TO BE RADIOD INSTRUCTIONS VIA DISPATCH FOR 1549.	
		Mon, Jul 22	8	CC	(SCHEDULED TRACK WORK) - SINGLE TRACKING ON THE BEVERLY	
		Wed, Jul 24	8	CC	(SCHEDULED TRACK WORK) - SINGLE TRACKING ON THE BEVERLY	
		Tue, Jul 30	0	XE	(CAR CAB/TRAILER/MU MALFUNCTION) - LOADING ISSUES WITH TRAIN AT NEW LENOX	

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late	Delay		
RI	510 77% OT	Fri, Jul 19	29	CC	(GATECROSSING MALFUNCTION) - 6 AWDM ITEM 1 S 91ST CROSSING.	
		Mon, Jul 22	21	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
		Wed, Jul 24	14	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
		Thu, Jul 25	7	ZP	(PTC MALFUNCTION COACH) - UNABLE TO INIT UNTIL HICKORY CREEK, PTC SYSTEM WOULDNT ALLOW DISPATCHER FORGOT TO ASSIGN DOB TO TRAIN.	
		Mon, Jul 29	6	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
RI	511 77% OT	Tue, Jul 16	0	XUF	(CAR CAB/TRAILER/MU MALFUNCTION) TRUCKS LOCKED UP ADA LIFT ISSUE	
		Fri, Jul 19	44	CC	TRACK WORK	
		Mon, Jul 22	11	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
		Wed, Jul 24	9	CC	(SCHEDULED TRACK WORK) - 6M ACCT. TRACK WORK. SINGLE-TRACKING ON THE BEVERLY SUB.	
		Mon, Jul 29	9	CC	(SCHEDULED TRACK WORK) - 15M CP81ST ACCOUNT SINGLE TRACKING BEV SUB ACCOUNT SCHEDULED WORK	
RI	512 73% OT	Wed, Jul 10	9	D	(FRT TRN INF, TRN AHD) - WAITING ON RI513 TO CLEAR DUE TO LITE ENG STOPPED 16TH ST DUE TO M337	
		Fri, Jul 19	49	CC1	DEPARTED 19M LATE FROM THE FLIPOF RI507.	
		Mon, Jul 22	24	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
		Wed, Jul 24	26	CC1	(SCHEDULED TRACK WORK TRN AHD) -	
		Mon, Jul 29	9	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY	
		Wed, Jul 31	8	GT	(PTC BACK OFFICE) - SYSTEM CRASHED	
RI	513 82% OT	Fri, Jul 19	6	CC	(SCHEDULED TRACK WORK) - TRK WORK	
		Mon, Jul 22	17	CC1	(SCHEDULED TRACK WORK TRN AHD) - SINGLE TRACKING ON THE BEVERLY WITH 4 ITEM 2 AWDMS FOR WORK	
		Fri, Jul 26	6	CC	(SCHEDULED TRACK WORK) - TRK WORK AND 2 ITEM ONE S	
		Mon, Jul 29	7	CC	(SCHEDULED TRACK WORK) - 12M WAITING ON RI512 TO CLEAR ACCOUNT SINGLE TRACKING BEV SUB FOR SCHEDULED WORK	
RI	514 82% OT	Wed, Jul 10	8	CC	(SCHEDULED TRACK WORK) - 1546 & 1547	
		Fri, Jul 19	33	CC	(SCHEDULED TRACK WORK) - TRK WORK	
		Mon, Jul 22	33	CC	(SCHEDULED TRACK WORK) - 46M BI WAITING ON RI513 TO CLEAR ACCOUNT SINGLE TRACKING BEV SUB FOR SCHEDULED WORK	
		Mon, Jul 29	10	CC	(SCHEDULED TRACK WORK) - 26M WAITING ON RI513 TO CLEAR ACCOUNT SINGLE TRACKING BEV SUB	
RI	524 55% OT	Tue, Jul 02	7	OW1	HEAVY LOADING NEW LENOX, 80TH AND OAK FOREST	
		Wed, Jul 03	24	I	5M PTC 36.5 STOPPED 15M PASSENGER LOADING ALLSTOPS 5M UNLOADING 35TH ADA.	
		Fri, Jul 05	8	ZT	CUT OUT AND WOULD NOT COME BACK IN.	
		Wed, Jul 10	9	I	(PSGR HANDLING) - 5M HEAVY LOADING	
		Thu, Jul 11	7	I1	(PSGR HANDLING) - 5M ACCT. HEAVY PASSENGER LOADING/UNLOADING ON THE BEVERLY SUB.	
		Fri, Jul 12	14	E1	DUE TO RI 411	
		Fri, Jul 19	10	ZR1	HUMAN ERROR ENFORCEMENT.	
		Mon, Jul 22	25	CC	(SCHEDULED TRACK WORK) - 25M BI TO GRESHAM ACCOUNT TRAIN CONGESTION AND MULTIPLE ITEM 1 AWDMS FROM SCHEDULED TRACK WORK ON BEV SUB	
		Fri, Jul 26	13	I	WHITE SOX'S GAME- HEAVY LOADING	
		Wed, Jul 31	15	I	(PSGR HANDLING) - HEAVY LOADING FOR SOX GAME	
RI	528 73% OT	Tue, Jul 02	8	D	(FREIGHT TRAIN INTERFERENCE) - 8M ROBBINS WAITING ON IA510, 126 CARS, & 8231 FT TO CLEAR	
		Wed, Jul 03	17	ZG1	(PTC WAYSIDE) - DEPARTED JOLIET ACCT LATE TURN FROM RI419 AND SWAP EQUIPMENT	
		Mon, Jul 08	17	K1	(OBSTN ON TRKS, TRN AHD) - DEPARTED 7 MINS LATE DUE TO 419 LATE ARRIVAL	
		Fri, Jul 12	27	E1	(LOCO MALFCN, TRN AHD) - LATE FLIP OF RI419 FOLLOWING RI411	
		Tue, Jul 16	20	ZT1	(PTC BACK OFFICE) - DEPARTED JOLIET 19M LATE ACCOUNT LATE FLIP FROM RI419	
		Thu, Jul 18	8	J	(PSGR PROBLEMS/REMOVAL) - HAD POLICE TO REMOVE A PASSENGER	
RI	529 77% OT	Mon, Jul 22	6	CC1	TRAIN 428 - LEFT LASALLE LATE - SHORT FLIP	
		Tue, Jul 23	6	I	(PSGR HANDLING) - HEAVY LOADING SOX 35TH	
		Wed, Jul 24	8	I	(PSGR HANDLING) - HEAVY LOADING SOX 35TH	
		Fri, Jul 26	22	J	(PSGR PROBLEMS/REMOVAL) 13M HELD AT 91ST 15M POLICE CALLED FOR PASSENGER DISTURBANCE.	
		Wed, Jul 31	12	I	(PSGR HANDLING) - 12M ENROUTE DUE TO HEAVY PASSENGER HANDLING	
RI	607 64% OT	Mon, Jul 01	6	RD	(HUMAN ERROR, METRA DISP.) - 6M GRESHAM WAITING ON RI420 TO CLEAR	
		Tue, Jul 02	7	I	(PASSENGER TRAIN INTERFERENCE) - 3M ENROUTE SLOW LOADING/UNLOADING	
		Wed, Jul 03	12	ZG	(PTC WAYSIDE) - PTC	
		Wed, Jul 10	10	ZR	ISSUES INITIALIZING TRAIN, ENGINEER DID NOT USE CORRECT PROCEDURE.	
		Fri, Jul 19	6	ZR1	FOLLOWING 407	
		Mon, Jul 22	62	UW	ACCESSIABILITY WEATHER	
		Tue, Jul 23	7	I	(PSGR HANDLING) - 4M ENROUTE SLOW LOADING/UNLOADING	
Fri, Jul 26	14	ZT	- METX418 KEPT GOING INTO PENALTY.			
RI	609 68% OT	Tue, Jul 02	9	RD	- 4M 14TH ST WAITING ON TRAIN AHEAD TO CLEAR. EAD TO CLEAR	
		Wed, Jul 03	26	ZT	(PTC BACK OFFICE) - DEPARTED LSS 13M LATE NO GPS SIGNAL	
		Mon, Jul 08	14	K	(OBSTRUCTION ON TRACKS) -	
		Tue, Jul 09	8	U	ADA PASSENGER AT GRESHAM.	
		Wed, Jul 10	11	K	(OBSTRUCTION ON TRACKS) - ELDERLY LADY NEAR TRK AT 12TH	
		Fri, Jul 12	9	E	(LOCOMOTIVE MALFUNCTION) - TRAIN WOULD NOT LOAD AT BRAINERD	
		Mon, Jul 22	35	CC	(SCHEDULED TRACK WORK) - ARRIVED 35M LATE TO BI ACCOUNT SCHEDULED TRACK WORK AND MULTIPLE AWDMS	

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes	Delay	Delay Explanation
			Late	Code	
RI	613 55% OT	Wed, Jul 03	11	I	(PSGR HANDLING) - NO TTR1 OR DELAY
		Mon, Jul 08	17	K	CAR ON TRACKS 112TH STREET
		Wed, Jul 10	9	I	(PSGR HANDLING) - 1MIN FOR 1504 2MINS FOR 1546 1MIN YARD STOP 2 MIN WAITING ON PASSENGERS ON WRONG SIDE
		Thu, Jul 11	8	U	ADA PASSENGER.
		Tue, Jul 16	10	G	(PASSENGER TRAIN INTERFERENCE) - INTERMITTENT TRACK CIRCUIT CAUSING APPROACH SIGNALS.
		Mon, Jul 22	37	CC1	DEPARTED LSS 20M LATE ACCT NO EQUIPMENT FOR615 TRAIN.
		Tue, Jul 23	8	I	(PSGR HANDLING) - 8M ENROUTE HEAVY LOADING/UNLOADING. (3M OF THE 8 AT 99TH)
		Wed, Jul 24	15	ZT1	(PTC BACK OFFICE) - FOLLOWING 303
		Thu, Jul 25	7	U	ADA @ 95TH
		Mon, Jul 29	15	H	(LATE EQUIP. FROM COACH YD.) - DEPARTED LSS 11M LATE ACCT USING 615S EQUIPMENT 613 STILL IN YARD B/O BATTERY CHARGER.
RI	615 73% OT	Mon, Jul 01	6	I	(PSGR HANDLING) - 4M ENROUTE FOR SLOW LOADING/UNLOADING
		Tue, Jul 02	7	OW1	5M ENROUTE HEAVY LOADING/UNLOADING (ELECTRIC DIST PASSENGERS)
		Wed, Jul 03	13	I	(PSGR HANDLING) - NO TTR1 OR DELAYS
		Fri, Jul 12	9	E1	(PSGR HANDLING) - PASSENGER HANDLING
		Fri, Jul 19	7	ZR1	PTC HUMAN ERROR
		Mon, Jul 22	55	CC1	- DEPARTED LSS 48M LATE ACCT LATE TURN FROM 620 EQUIPMENT.
RI	619 68% OT	Tue, Jul 02	10	OW1	- 7M ENROUTE FOR HEAVY PASSENGER LOADING (ME DI STRICT PASSENGERS)
		Wed, Jul 03	35	ZT	(PTC BACK OFFICE) - DEPARTED LSS 27M LATE DUE TO LATE TURN FROM 6192
		Mon, Jul 08	23	K1	(OBSTN ON TRKS, TRN AHD) - LATE TURN DUE TO DH 6192 GETTINGNG STUCK BEHIND VAN ON TRACKS. WALKING SPEED OVER AREA.
		Wed, Jul 10	19	K1	(OBSTN ON TRKS, TRN AHD) - LATE TURN OFF OF 6192 DUE TO BEING LATE ON 609 WITH ELDERLY LADY NEAR TRK AT ROOSEVELT. SHE COULD NEVER MAKE UP A
		Fri, Jul 12	33	E1	(LOCO MALFCN, TRN AHD) - LATE TURN DUE TO LATE DH6192
		Tue, Jul 16	9	G	(SIG/SWT MALFUNCTION) - 9M BEING FLAGGED BY STOP SIGNAL ACCOUNT TK CIRCUIT AND RUNNING RESTRICTING SIGS TO GRESHAM
		Mon, Jul 22	45	CC1	DEPARTED LSS 37M LATE ACCT LATE TURN FROM 6192.
RI	621 59% OT	Mon, Jul 08	17	K	(OBSTRUCTION ON TRACKS) -
		Tue, Jul 09	7	U	(ACCESSIBILITY RELATED) - 4M ADA BRAINERD TO 95TH ST (2M PER STATION)
		Thu, Jul 11	6	I	(PSGR HANDLING) - PASSENGER LOADING TASTE.
		Fri, Jul 12	7	E1	(PSGR HANDLING) - PASSENGER HANDLEING
		Mon, Jul 15	15	ZP1	DEPARTED LSS 15M LATE ACCT LATE TURN FROM 6212.
		Tue, Jul 16	10	ZT1	(PTC BACK OFFICE) - DEPARTED LSS 4M LATE ACCOUNT LATE FLIP FROM DH6212
		Thu, Jul 18	14	E	(LOCOMOTIVE MALFUNCTION) - CAB WAS READING THAT THE LIFT WAS STILL OUT AND COULD NOT MOVE.
		Mon, Jul 22	40	CC1	DEPARTED LSS 41M LATE ACCT LATE TURN FROM 6212.
		Mon, Jul 29	17	ZT1	(PTC BACK OFFICE) - DEPARTED LSS 13M LATE ACCOUNT LATE FLIP FROM DH6212
		SWS	829 77% OT	Wed, Jul 03	11
Thu, Jul 11	28			D	(FREIGHT TRAIN INTERFERENCE) - 15M FOREST HILL 604/619PM FOR CSX X137 CSXT3355 W/ 11000FT GOING INTO YARD.
Mon, Jul 15	45			KP	(TELECOM FAILURE) - 39M CP RIDGE 628/707PM RED SIGNAL ACCT. FIRE AND EVACUATION AT IHB DISP. CENTER (UNABLE TO COMMUNICATE VIA PHONES OR RA
Wed, Jul 17	7			AM1	(OBSTN ON TRKS, WEATHER TRN AH) - 11M CP LUMBER545/556PM SOUTH BRANCH BRIDGE ISSUES HOT WEATHER, SWS#827 AHEAD.
Fri, Jul 26	38			GF	TALKED BY STOP SIGNAL AT ASHBURN RESTRICTED SPEED TO NEXT ABSOLUTE SIGNAL HOMETOWN.
SWS	831 81% OT	Thu, Jul 11	25	DR1	(FRT TRN INF -INCIDENT TRN AHD) - 21M BELT JCT MEET SWS#836 DELAYED BY CSX Q-370 WITH DRAWBAR ISSUES.
		Mon, Jul 15	22	KP1	(TELECOM FAILUR TRN AHD) - 17M DELAY BEHIND SWS#829 AT CP RIDGE ACCT. IHB DISP. CENTER EVACUATION.
		Tue, Jul 23	6	GT	(TELECOM FAILURE) - 8M CP 143RD ST. RED SIGNAL TMDS COMPUTER FAILURE LANDERS.
Fri, Jul 26	12	GA1	(SIG/SWT FAILURE AMTK TRN AHD) - DEPART CUS 6M LATE/ CONGESTION DUE TO EARLIER SWITCH PROBLEMS. 6M RUNNING BEHIND 829 DUE TO EARLY DELAY.		
SWS	836 77% OT	Wed, Jul 10	7	D1	(FRT TRN INF, TRN AHD) - DEPARTED 153RD ST 17M LATE / LATE FLIP OF SWS#823.
		Thu, Jul 11	26	DR	- 18M BELT JCT. 632/650PM CSX Q370 W/9200 FEET PULLED A DRAWBAR
		Mon, Jul 15	7	CF1	(M OF W WORK,TRN AHD) - 13M LATE FLIP OF SWS#823
		Wed, Jul 17	12	AM1	(OBSTN ON TRKS, WEATHER TRN AH) - 14M ASHBURN MEET SWS#827 AND SWS#829.
		Fri, Jul 26	6	RF	11M CHICAGO RIDGE STOP INDICATION.
SWS	840 82% OT	Tue, Jul 02	6	KW	(OBSTN ON TRKS, WEATHER) - COOK TO LOOK
		Wed, Jul 10	10	AM	10 MIN DUE TO AMTRAK HAVING ISSUES WITH 21ST BRIDGE
		Thu, Jul 11	10	DR1	10 MINUTE LATE DUE TO LATE ARRIVAL AND TURN OF SW833 AT 179TH.
		Tue, Jul 23	13	RF1	STOPPED AT CP ASHBURN WAITING FOR SWS837
UPN	336 73% OT	Mon, Jul 01	12	CC	FORM B MP36-34 & FORM B 7.27-6; DELAYED @ WK 5" RED SIGNAL ON ACCT OF TRACK & TIME ISSUES TO A TRACK INSPECTOR GOING SOUTH....
		Fri, Jul 05	10	I	SLOW PASSENGER LOADING EN ROUTE.
		Mon, Jul 08	7	U	TWO ADA LIFTS & HAD DIFFICULTY REACHING THE FOREMAN IN CHARGE OF FORM B BETWEEN MP4-MP3 (FORM B #49064).
		Mon, Jul 22	10	I	SLOW LOADING OF PASSENGERS DUE TO TRACK CHANGES
		Tue, Jul 23	7	CC	SINGLE TRACK MP35.7-MP28.7(BRUSH CUTTING & SURFACING)
		Wed, Jul 24	7	U	SINGLE TRACK MP36-28.3 & FOUR ADA LIFTS.

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late	Delay		
UPN	338 73% OT	Wed, Jul 03	9		U	HEAVY PASSENGER LOADING AT MULTIPLE STATIONS, 6 ADA LIFTS.
		Mon, Jul 08	8		ZT	LATE DEPARTING WAUKEGAN, PTC ISSUES (MALFUNCTION CODE 023- SYSTEM FAILED) & SLOW PASSENGER LOADING @ ROGERS PARK & RAVENSWOOD...
		Fri, Jul 19	7		I	HEAVY PASSENGER LOADING EN ROUTE.
		Mon, Jul 22	20		CC	SINGLE TRACK MP35.7-MP28.7 (BRUSH CUTTING)
		Wed, Jul 24	9		CC	SINGLE TRACKING WAUKEGAN-HIGHLAND AND RP-CY.
		Thu, Jul 25	7		CC	SINGLE TRACK MP 36.50-28.7.
UPNW	622 73% OT	Tue, Jul 02	118		M1	DELAYED @ PINGREE RD ON ACCT. OF #603 STRUCK A PEDESTRIAN @ MP 38.29.
		Thu, Jul 11	12		J1	FOLLOWING TRAINS AHEAD, HEAVY PASSENGER LOADING EN ROUTE.
		Thu, Jul 18	10		ZT	STOPPED @ MP3 DUE TO PTC FAILURE AT A CLEAR SIGNAL, HAD TO GET PTC CUT OUT WITH THE DISPATCHER.
		Fri, Jul 19	10		ZT	STOPPED AT ERIE DUE TO PTC FAILURE ON THE 8455, HAD TO GET PERMISSION FROM THE DISPATCHER TO DO A SOFT CUT OUT.
		Tue, Jul 23	6		UF	ONE ADA LIFT (TROUBLE GETTING THE ADA LIFT TO DEPLOY @ DESPLAINES ON CAB CAR 8436)
		Fri, Jul 26	15		A	FOLLOWING #624. DEAN TO LOOK
UPNW	628 77% OT	Wed, Jul 10	14		E1	EXTREME HEAVY PASSENGER LOADING DUE TO ACCOMMODATIN #620 PASSENGERS.
		Fri, Jul 12	11		E1	STOPPED AT BRIDGE A WAITING FOR TRACK TO CLEAR WITH THE BAD ORDER #302.
		Mon, Jul 15	14		RF1	DELAYED ON ACCT. OF #626 AHEAD WITH A RED SIGANL @ CN @ BARRINGTON.
		Thu, Jul 18	6		G	XH AT 10.95.
		Fri, Jul 19	10		ZT	STOPPED AT ERIE DUE TO PTC FAILURE ON THE 8472, HAD TO GET PERMISSION FROM THE DISPATCHER TO DO A SOFT CUT OUT.
UPNW	630 73% OT	Mon, Jul 01	6		GW	ZH @ MP19.7 & 20.12, THE STORM KNOCKED OUT A CIRCUIT BREAKER @ ROUTE 83 & CROSS TRAFFIC @ MAYFAIR.
		Tue, Jul 02	100		M1	DELAYED @ WOODSTOCK ON ACCT. OF #603 STRUCK A PEDESTRIAN @ MP38.29.
		Mon, Jul 08	49		K	DELAYED @ BARRINGTON FOR CN FREIGHT TRAIN INTERFERENCE (M34391-07 12") & DELAYED JUST NORTH OF ARLINGTON HEIGHTS DUE TO TRUCK ON TRA
		Wed, Jul 10	10		E1	EXTREME HEAVY PASSENGER LOADING DUE TO ACCOMMODATIN #620 PASSENGERS.
		Mon, Jul 15	19		RF1	DELAYED ON ACCT. OF #626 CN DELAY, ON ADA LIFT, & SLOW LOADING EN ROUTE.
		Fri, Jul 19	14		ZT	STOPPED AT ERIE DUE TO PTC FAILURE ON THE 8402, HAD TO GET PERMISSION FROM THE DISPATCHER TO DO A SOFT CUT OUT.
UPNW	632 77% OT	Mon, Jul 01	8		D	CN FREIGHT INTERFERENCE.
		Tue, Jul 02	0		M1	ANNULLED ON ACCT. OF #603 STRUCK A PEDESTRIAN @ MP 38.29.
		Mon, Jul 08	41		K1	DELAYED BEHIND #630 @ BARRINGTON ON ACCT. OF CN FREIGHT TRAIN INTERFERENCE (M34391-07) DELAYED ON ACCT. OF A SEMI TRUCK ACROSS THE TRACKS.
		Mon, Jul 15	10		RF1	DELAYED ON ACCT. OF #626 CN DELAY (RED SIGNAL, NO CROSS TRAFFIC).
		Thu, Jul 18	7		ZT1	WAITING FOR #634 TO CLEAR AT BARRINGTON.
UPNW	637 82% OT	Tue, Jul 16	7		ZT1	DELAYED FOLLOWING TRAINS AHEAD THAT HAD PTC ISSUES MP6.9-MAYFAIR, PTC CARD LOC UP NEEDED TO BE REPAIRED
		Thu, Jul 25	18		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.
		Mon, Jul 29	7		RF1	7" DELAYED FOLLOWING TRAINS AHEAD
		Tue, Jul 30	10		D1	DELAYED @ BARRINGTON WAITED FOR #633 TO X/O TO TURN FOR #656, HELD @ THE CN BARRINGTON WAS HELD WAITING FOR THE Q199130 TO CLEAR.
UPNW	639 76% OT	Tue, Jul 16	15		ZT1	DELAYED FOLLOWING TRAINS AHEAD THAT HAD PTC ISSUES MP6.9-MAYFAIR, PTC CARD LOC UP NEEDED TO BE REPAIRED
		Wed, Jul 24	9		D1	DELAYED FOLLOWING #643, #641 CN FREIGHT INTERFERENCE (WS62791-24).
		Thu, Jul 25	18		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.
		Mon, Jul 29	8		RF1	8" DELAYED FOLLOWING TRAINS AHEAD
		Tue, Jul 30	10		D1	DELAYED BEHIND TRAINS AHEAD DUE TO #633 NO SIGNAL @ CN BARRINGTON INTERLOCKING CAUSING LATE X/O MOVE FOR #656.
UPNW	640 82% OT	Tue, Jul 02	20		M1	USED #611 CREW & EQUIP TO OPERATE AS #640 FROM CRYSTAL LAKE ON ACCT. #603 PEDESTRIAN INCIDENT @ MP38.29.
		Mon, Jul 08	82		K1	LATE TURN FROM #609, SEMI TRUCK ACROSS THE TRACKS @ ARLINGTON HEIGHTS RD W/ MECHANICAL ISSUES & CN COMPUTER OUTAGE...
		Fri, Jul 12	27		RN1	DEPARTE HAVARD 20" LATE ON ACCT. OF LATE TURN OF #609 AND WAITED FOR PTC TO INITIALIZE, ALSO HEAVY PASSENGER LOADING EN ROUTE.
		Wed, Jul 17	9		I	SLOW AND HEAVY PASSENGER LOADING EN ROUTE, SINGLE TRACKING HARVARD TO WOODSTOCK.
UPNW	641 81% OT	Tue, Jul 16	6		ZT	PTC ISSUES MP6.9-MAYFAIR, PTC CARD LOC UP NEEDED TO BE REPAIRED
		Wed, Jul 17	20		ZT1	ARRIVED FROM CAL AVE YARD LATE, PTC SIGNAL ISSUE AT HALSTED, ALSO DELAYED FOLLOWING TRAINS AHEAD.
		Fri, Jul 19	20		G1	ARRIVED FROM CACY LATE, SWITCHED @ HALSTED INT. WERE ALL OUT OFCORRESPONDECE ALSO FOLLOWING TRAINS AHEAD.
		Thu, Jul 25	20		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation	
			Late				
UPNW	643	Tue, Jul 09	7		ZR1	DEPARTED CPT 7" DOWN HAD A ADA LIFT @ DEPARTURE TIME HAD TO USE 2ND CAR FROM CAB CAR TO LOAD ADA LIFT. SELECTED WRONG TASK	
		64% OT	Tue, Jul 16	22		ZT	PTC ISSUES MP6.9-MAYFAIR, PTC CARD LOC UP NEEDED TO BE REPAIRED, 25MPH SPEED RESTRICTION MP10.75-10.95, LOOSE TIE PLATES.
			Wed, Jul 17	21		ZT1	ARRIVED FROM CAL AVE YARD LATE, PTC SIGNAL ISSUE AT HALSTED
			Fri, Jul 19	16		G1	ARRIVED FROM CACY LATE, SWITCHED @ HALSTED INT. WERE ALL OUT OFCORRESPONDECE ALSO FOLLOWING TRAINS AHEAD.
			Wed, Jul 24	13		D1	DELAYED FOLLOWING #637 DUE TO #641 CN FREIGHT TRAIN INTERFERENCE (W62791-24).
			Thu, Jul 25	40		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.
			Mon, Jul 29	12		RF1	12" DELAYED FOLLOWING TRAINS AHEAD
			Tue, Jul 30	12		D1	DELAYED BEHIND TRAINS AHEAD DUE TO #633 NO SIGNAL @ CN BARRINGTON INTERLOCKING CAUSING LATE X/O MOVE FOR #656.
		UPNW	647	Mon, Jul 15	31		KD
73% OT	Tue, Jul 16			11		ZT	DELAYED FOLLOWING TRAINS AHEAD THAT HAD PTC ISSUES MP6.9-MAYFAIR, PTC CARD LOC UP NEEDED TO BE REPAIRED, 25MPH RESTRICTION...
	Wed, Jul 17			32		ZT1	ARRIVED FROM CAL AVE YARD LATE, PTC SIGNAL ISSUE AT HALSTED, ALSO STOPPED AT MP4.5 FOR A SMOKING BRAKE ON CAR 7235....
	Fri, Jul 19			11		G1	DELAYED FOLLOWING #643.
	Thu, Jul 25			13		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.
	Tue, Jul 30			8		D1	DELAYED BEHIND TRAINS AHEAD DUE TO #633 NO SIGNAL @ CN BARRINGTON INTERLOCKING CAUSING LATE X/O MOVE FOR #656.
UPNW	649	Fri, Jul 05	15		J1	DELAYED BEHIND #651 STOPPED WAITING FOR POLICE TO REMOVE A UNRULY MALE PASSENGER.	
		77% OT	Thu, Jul 11	6		GM	XH @ MP30.85 & 31.49 & HAD APPROACH SIGNALS FROMN FOX RIVER GROVE-CRYSTAL LAKE FOLLOWING #651.
			Mon, Jul 15	12		KD1	DELAYED BEHIND #647.
			Wed, Jul 17	25		ZT1	ARRIVED FROM CAL AVE YARD LATE, PTC SIGNAL ISSUE AT HALSTED, DELAYED FOLLOWING TRAINS AHEAD.
	Thu, Jul 25	14		CF1	DELAYED, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRK 2.		
UPNW	656	Tue, Jul 09	8		ZR1	DEPARTED BARRINGTON 10" DOWN WAITED FOR LATE TRAINS TO CLEAR DEU TO #635 BEING DELAYED FOR PTC ISSUES.	
		64% OT	Wed, Jul 10	7		GM	XH @ MP22.85 & SLOW PASSENGER LOADING EN ROUTE.
			Tue, Jul 16	9		ZT1	LATE TURN FROM #633.
			Fri, Jul 19	9		G1	LATE TURN FROM #633 ALSO WAITED FOR DELAYED TRAINS TO CLEAR @ BARRINGTON TO DEPARTURE.
			Wed, Jul 24	9		D	CN FREIGHT TRAIN INTERFERENCE (W62791-24) & FLAGGED @ CN BARRINGTON.
			Thu, Jul 25	8		CF1	LATE TURN OFF #633, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRACK 2
			Mon, Jul 29	8		RF1	8" LATE TURN OF EQUIPMENT FROM M633
			Tue, Jul 30	9		D1	DELAYED BEHIND TRAINS AHEAD DUE TO #633 NO SIGNAL @ CN BARRINGTON INTERLOCKING CAUSING LATE X/O MOVE FOR #656.
UPNW	658	Wed, Jul 03	10		KP	DELAYED @ PINGREE RD FROM 18:05-18:17 ON ACCT. OF POLICE SEARCHED FOR, FOUND, & REMOVED A PERSON OFF THE TRAIN.	
		82% OT	Thu, Jul 11	12		F	DELAYED ON ACCT. OF MECHANICAL ISSUES W/CAB CAR THROTTLE (IT CONTINUOUSLY JAMMED & ENGINEER COULD NOT TELL WHICH POSITION....
			Tue, Jul 16	9		ZT1	LATE TURN FROM #625, 1 ADA @ HARVARD.
	Thu, Jul 25	7		CF1	TRAIN MEERT EN ROUTE, TRACK MACHINERY BROKE DOWN BETWEEN MAYFAIR-DEVAL ON TRACK 2.		
UPW	33	Mon, Jul 01	10		ZT	RAN @ RESTRICTED SPEED DUE TO PTC.	
		82% OT	Wed, Jul 10	9		CC	MADE ADDITIONAL STOP @ KEELER TO DROP OFF AN EMPLOYEE & FORM B @ VALE.
			Thu, Jul 11	10		U1	WAITED FOR #48 TO CLEAR PARK.
			Fri, Jul 19	10		DE1	DELAYED WAITING ON #50 AT KRESS DUE TO MCHNPB STOPPED ON T2 BETWEEN PECK AND KRESS WITH AIR ISSUES.
UPW	42	Tue, Jul 02	6		I	LATE TURN OFF #21, HEAVY/SLOW PASSENGER LOADING EN ROUTE, & FORM B @ MELROSE PARK, & PTC TIMED OUT @ RIVER FOREST.	
		73% OT	Wed, Jul 10	15		R	DEPARTED ELBURN 5" LATE DUE TO LATE TURN OF CREW AN EQUIP. OFF #21, SLOW RUNNING ENGINEER.
			Thu, Jul 11	18		I	SLOW PASSENGER LOADING EN ROUTE, LARGE GROUP OF VISUALLY IMPAIRED AT VILLA PARK, FORM B'S.
			Fri, Jul 12	10		I	HEAVY PASSENGER LOADING EN ROUTE (TASTE OF CHICAGO AND CUBS GAME).
			Mon, Jul 15	6		I	SLOW PASSENGER LOADING/UNLOADING EN ROUTE (-6"); COPIED A MANDATORY DIRECTIVE @ BELLWOOD (-1"); XH & 15MPH @ MP10.76.
	Wed, Jul 17	11		I	SLOW AND HEAVY PASSENGER LOADING EN ROUTE, 2 ADA LIFTS.		
UPW	44	Fri, Jul 05	9		I	SLOW LOADING PASSENGERS EN ROUTE. SLOW LOADING @ ADA LIFTS @ COLLEGE AVE.	
		73% OT	Mon, Jul 08	16		I	OPERATED SOUTH SIDE, PEOPLE ON WRONG SIDE @ GENEVA, W. CHICAGO, WHEATON, WINFIELD, COLLEGE AVE, & GLEN ELLYN & ONE ADA LIFT.
			Thu, Jul 11	12		I	SLOW PASSENGER LOADING EN ROUTE, FORM B'S.
			Wed, Jul 17	10		I	SLOW AND HEAVY PASSENGER LOADING EN ROUTE
			Fri, Jul 19	23		D	FOLLOWING KBRG2-16 FROM PECK-KRESS (10"), HEAVY PASSENGER LOADING DUE TO CUBS GAME (5"), 2 ADA LIFTS EN ROUTE (4")...
			Wed, Jul 31	15		D	STOPPED @ 25TH AVE, THE MCPCX SLOW MOVING INTO THE EAST END OF PROVISIO YARD, SLOW PASSENGER LOADING.

**Table 3 (continued): Weekday Trains less than 85% On-Time
July 2019**

Line	Train	Date	Minutes		Delay Code	Delay Explanation
			Late	Delay		
UPW	45 82% OT	Tue, Jul 02	8	D	DELAYED FOLLOWING THE CWSAT FROM WHEATON TO ELBURN.	
		Fri, Jul 05	28	DM1	ZG20A STRUCK A TRESPASSER @ PECK ON TRK 2, ONCE RELEASED TO RUNON TRK1 @ RETRICTED SPEED MP 36-38.	
		Wed, Jul 17	6	ZT	PTC SIGNAL ISSUE AT HALSTED, PROBLEM CLEARED UP ON THE APPROACH AT WESTERN.	
		Mon, Jul 22	23	M1	HELD EAST OF KEDIZE WAITED FOR TRACKS TO BE RELEASED DUE TO M52STRUCK A CAR @ KILBOURN RAN @ RESTRICTED SPEED...	
UPW	50 73% OT	Fri, Jul 05	14	I	SLOW LOADING PASSENGERS @ GENEVA, W. CHICAGO, WINFIELD & WHEATON. OPERATED TRK 2 @ VILLA PARK & ELMHURST- SLOW LOADING...	
		Mon, Jul 08	7	RF	DELAYED @ CN @ WEST CHICAGO (NO ANSWER FROM CN TO GET DELAY REASON) ALSO ADA LIFT @ WHEATON.	
		Thu, Jul 11	14	D1	LATE TURN OFF #31 ON ACCT. OF FREIGHT INTERFERENCE & SLOW PASSENGER LOADING, TWO ADA LIFTS & PASSENGERS ON WRONG SIDE @ RIVER FOREST.	
		Fri, Jul 12	10	U	ADA LIFTS @ GLEN ELLYN AND WHEATON, SLOW PASSENGER LOADING EN ROUTE.	
		Mon, Jul 15	12	L	RESTRICTED SPEED MP 22 FOR SUICIDAL PERSON IN THE AREA, FORM B MP 11.75-9.75.	
		Fri, Jul 19	26	DE1	DEPARTED ELBURN 23" LATE, LATE ARRIVAL OF #31, PASSENGERS ON THE WRONG SIDE AT GENVEVA, FORM B MP11.75-9.75.	
UPW	52 82% OT	Fri, Jul 05	13	D	DELAYED FOLLOWING A FREIGHT TRAIN FROM WINFIELD-LOMBARD ALSO RAN TRK @ VILLA PARK & ELMHURST LOADING @ THE XING USING CAB CAR...	
		Wed, Jul 17	14	I	STOPPED @ WEST CHICAGO WAITING TO VOID FORM B'S 54313, ADA LIFT @ GENEVA AND OAK PARK.	
		Fri, Jul 19	14	DE1	DEPARTED ELBURN 8", LATE ARRIVAL OF #33, ALSO WAITED FOR CWFNA TO CLEAR PECK (8").	
		Mon, Jul 22	23	M	STOPPED @ KILBOURN STRUCK @ CAR WAITED FOR EQUIPMENT AND TRACKS TO BE RELEASED.	
UPW	54 73% OT	Fri, Jul 12	12	D	DELAYED ON T2 @ TURNER WAITING FOR MBUFW TO CLEAR T2-T3.	
		Fri, Jul 19	37	C1	LATE ARRIVAL OF #35, ALSO #54 CREW HAD TROUBLE GETTING BULLETINS CAUSING THEM TO BE LATE FOR THE CREW SWAP @ ELBURN...	
		Mon, Jul 22	14	M1	HELD @ MAYWOOD WAITED FOR TRACKS TO BE RELEASED DUE TO M52 STRUCK A CAR @ KILBOURN RAN @ RESTRICTED SPEED THROUGH THE AREA	
		Wed, Jul 24	7	U1	LATE TURN OFF #35, FREIGHT INTERFERENCE, ADA LIFT & SLOW ORDER.	
		Thu, Jul 25	7	I	HEAVY/SLOW PASSENGER LOADING EN ROUTE.	
		Tue, Jul 30	7	ZT1	DEPARTED ELBURN LATE, LATE ARRIVAL OF #35.	
UPW	56 82% OT	Fri, Jul 05	73	DM1	ZG20A STRUCK A TRESPASSER @ PECK ON TRK 2, ONCE RELEASED TO RUNON TRK1 @ RETRICTED SPEED MP 36-38.	
		Fri, Jul 12	8	R1	DEPARTED ELBURN 8" LATE DUE TO LATE TURN OF #37.	
		Fri, Jul 26	7	D1	LATE TURN FROM #37 ALSO 1 ADA LIFT.	
		Mon, Jul 29	15	D	15" WAITED AT 25TH AVE FOR M51 TO CLEAR MT2 ON ACCOUNT OF MNPXCX ON MT1	
UPW	67 82% OT	Fri, Jul 05	0	DM1	ANNULLED DUE TO EQUIPMENT AND ENGINEER DELAYED ON ACCT. OF ZG20A STRUCK A TRESPASSER @ PECK.	
		Mon, Jul 08	10	F	DEPARTED LATE DUE TO DOOR ISSUES ON 6043, DOOR WOULD NOT REMAINCLOSED.	
		Fri, Jul 12	29	J	WAITED @ ELMHURST FOR POLICE TO ASSIST A FEMALE ASKING FOR ELMHURST PD HELP, PD UNABLE TO ASSIST DUE TO ON OTHER CALL...	
		Tue, Jul 30	60	L	DELAYED @ MP4 NEAR MISS OF A TRESPASSER WAITED FOR METRA POLICE TO RELEASE THE TRACK (NO BODY WAS FOUND).	
UPW	70 82% OT	Fri, Jul 05	65	DM1	ZG20A STRUCK A TRESPASSER @ PECK ON TRK 2, ONCE RELEASED TO RUNON TRK1 @ RETRICTED SPEED MP 36-38.	
		Fri, Jul 12	21	J1	LATE TURN OF EQUIPMENT FROM #67.	
		Mon, Jul 22	33	KP	STOPPED @ MP25.8 DUE TO POLICE ACTIVITY AHEAD, TRESPASSER WAS ON TOP OF A TANKER CAR AND POLICE WERE ON THE TRACKS TRYING TO REMOVE HIM	
		Tue, Jul 30	55	L1	LATE TURN OF EQUIPMENT FROM #67.	

Data is final (09/03/19) version from TOPS.

Table 4: Delay Codes by Cause Category & Carrier

METRA/PSA				METRA/PSA (continued)				Foreign Carrier			
Category Codes				Category Codes				Category Codes			
Pri.	Sec.	Ann.	Definition	Pri.	Sec.	Ann.	Definition	Pri.	Sec.	Ann.	Definition
1 Passenger Train Interference				13 Human Error				1 Passenger Train Interference			
A	A1	XA	Passenger Train Interference	B	B1	XB	Human Error, Eng. Dept.	AM	AM1	XAM	Amtrak Caused Delay
AA	AA1	XAA	Rule 9.9 Delayed in Block/Rule 6.30	H	H1	XH	Human Error, Mechanical Department	AS	AS1	XAS	NICTD Train Interference
AD	AD1	XAD	Non-Revenue Passenger Train Interference	R	R1	XR	Human Error, Transportation	2 & 3 Freight Interference - Peak & Off-Peak			
4 Accident				RD	RD1	XRD	Human Error, Metra Dispatcher	D	D1	XD	Freight Train Interference
M	M1	XM	Right of Way Accident/Misc.	RL	RL1	XRL	Human Error, Job Action/Employee No Show (CMS Error)	DD	DD1	XDD	Freight Dispatcher/Opr/Freight Train Error
YC	YC1	XYC	Derailment - Engineering	RN	RN1	XRN	Human Error, Job Action/Employee No Show (Non-CMS)	DE	DE1	XDE	Freight Mechanical Malfunction
YE	YE1	XYE	Derailment - Mechanical	RO	RO1	XRO	Human Error, Tower Operator	DR	DR1	XDR	Freight-Human Error
YM	YM1	XYM	Derailment - Accident	RZ	RZ1	XRZ	ETMS Train Crew Error [obsolete 2015]	ZD	ZD1	XZD	PTC Freight Train (On-Board)
5 Passenger Loading				YB	YB1	XYB	Derailment - Human Error, Engineering	4 Accident			
I	I1	XI	Passenger Handling, Running Time	YH	YH1	XYH	Derailment - Human Error, Mechanical	DM	DM1	XDM	Freight-Accident/Incident
IB	IB1	XIB	Passenger Handling, Bicycle	YR	YR1	XYR	Derailment - Human Error, Transportation	YF	YF1	XYF	Derailment - Accident, Foreign Line
6 Lift Deployment				ZB	ZB1	XZB	PTC Human Error, Engineering Dept.	8 Signal/Switch Failure			
U	U1	XU	Accessibility Related (ADA)	ZH	ZH1	XZH	PTC Human Error, Mechanical	GA	GA1	XGA	Signal/Switch Failure Amtrak (Signal Dept.)
UF	UF1	XUF	ADA Lift Failure	ZP	ZP1	XZP	PTC Dispatcher	GF	GF1	XGF	Signal/Switch Foreign Line
7 Obstruction/Debris				ZR	ZR1	XZR	PTC Human Error, Transportation	ZN	ZN1	XZN	PTC Foreign Line (Non-Train)
K	K1	XK	Obstruction On Tracks	14 Sick, Injured, Unruly Passenger				9 Track Work			
KD	KD1	XKD	Train Struck Debris	J	J1	XJ	Passenger Problems/Removal	CA	CA1	XCA	Amtrak Engineering
KP	KP1	XKP	Suspicious Package(s)/Person(s)/Activity	JM	JM1	XJM	Passenger Medical Emergency	11 Non-Locomotive Equipment Failure			
8 Signal/Switch Failure				15 Weather				FS	FS1	XFS	NICTD MU Malfunction
CM	CM1	XCM	Switch Malfunction (Track Dept.)	AW	AW1	XAW	Pass. Train Interference, Weather	ZS	ZS1	XZS	PTC NICTD MU Train (On-Board)
G	G1	XG	Signal/Switch Malfunction (Signal Dept.)	CW	CW1	XCW	M of W Work, Weather	12 Locomotive Failure			
GM	GM1	XGM	Gate Crossing Malfunction	EW	EW1	XEW	Locomotive Malfunction, Weather	EA	EA1	XEA	Amtrak Locomotive/Car Malfunction
GT	GT1	XGT	Telecom Failure	FW	FW1	XFW	Cab Car/TRL/MU Malfunction, Weather	ZA	ZA1	XZA	PTC Amtrak Train (On-Board)
GX	GX1	XGX	Broken Gate Crossing	GW	GW1	XGW	Signal/Switch Malfunction Weather (Signal Dept.)	13 Human Error			
GZ	GZ1	XGZ	ETMS Signal Malfunction [obsolete 2015]	IW	IW1	XIW	Passenger Handling, Weather	BA	BA1	XBA	Amtrak Engineering Human Error
VG	VG1	XVG	Broken Gate Crossing Reported, Nothing Found	KW	KW1	XKW	Obstruction On Tracks, Weather	HS	HS1	XHS	Human Error, NICTD Mechanical Dept.
ZG	ZG1	XZG	PTC Wayside	MW	MW1	XMW	Right of Way Accident/Misc., Weather	RA	RA1	XRA	Human Error, Amtrak Transportation
ZT	ZT1	XZT	PTC Back Office	NW	NW1	XNW	Electricity Utility Failure, Weather	RF	RF1	XRF	Freight Dispatcher/Opr/Non-Freight Train Error
9 Track Work				OW	OW1	XOW	AC/DC System Failure, Weather	RS	RS1	XRS	Human Error, NICTD Transportation
C	C1	XC	Unscheduled Track Work	RW	RW1	XRW	Train Crew Issues, Weather	14 Sick, Injured, Unruly Passenger			
CC	CC1	XCC	Scheduled Track Work	UW	UW1	XUW	Accessibility, Weather	JA	JA1	XJA	Amtrak Passenger Problems/Removal
CF	CF1	XCF	Engineering Equipment Malfunction	YW	YW1	XYW	Derailment Accident, Weather	15 Weather			
CG	CG1	XCG	Scheduled Signal Work	ZW	ZW1	XZW	PTC Weather	DW	DW1	XDW	Freight Train Interference, Weather
CH	CH1	XCH	Contractor Failure	16 Other							
ZC	ZC1	XZC	PTC Construction/Maintenance	L	L1	XL	Unauthorized People On Tracks/Near Miss				
10 Catenary Failure				N	N1	XN	Electricity Utility Failure				
CO	CO1	XCO	Scheduled Wire Work	Q	Q1	XQ	Late Issuance of Track Warrant				
O	O1	XO	AC/DC System Failure	S	S1	XS	Operational (Efficiency) Testing				
11 Non-Locomotive Equipment Failure				T	T1	XT	Property Vandalism				
F	F1	XF	Cab Car/Trailer/MU Malfunction	VE	VE1	XVE	Locomotive Problem Reported, Nothing Found				
FZ	FZ1	XFZ	ETMS Malfunction on Cab Car [obsolete 2015]	VF	VF1	XVF	Cab Car Problem Reported, Nothing Found				
ZF	ZF1	XZF	PTC Malfunction Coach	W	W1	XW	Gas Leak				
12 Locomotive Failure											
E	E1	XE	Locomotive Malfunction								
EZ	EZ1	XEZ	ETMS Malfunction on Locomotive [obsolete 2015]								
ZE	ZE1	XZE	PTC Malfunction Locomotive								

Effective July 1, 2016

Revised July 19, 2016

'Metra/PSA' refers to delays that either directly affect or are directly attributable to Metra or its Purchase of Service Agreement partners (BNSF and Union Pacific) on Metra or PSA-controlled rail lines or trains in commuter operation.

'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

Table 5.a: Train Delays by Cause and Line
July 2019

Cause Category	Top 2 causes for each line are shaded														SYSTEM
	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific				
		ML	BI	SC		N	W				N	NW	W		
Freight Interference - Total	10	-	-	-	7	30	16	5	8	15	1	14	20	126	
Freight Interference - Peak	-	-	-	-	5	8	3	-	2	5	-	7	5	35	
Primary	-	-	-	-	5	2	2	-	1	3	-	1	2	16	
Secondary	-	-	-	-	-	6	1	-	1	2	-	6	3	19	
Freight Interference - Off-Peak	10	-	-	-	2	22	13	5	6	10	1	7	15	91	
Primary	10	-	-	-	1	9	9	5	5	4	1	6	7	57	
Secondary	-	-	-	-	1	13	4	-	1	6	-	1	8	34	
Signal/Switch Failure - Total	31	6	2	1	4	39	3	6	45	12	10	37	20	216	
Signal/Switch Failure - Metra/PSA	12	6	2	1	-	34	3	6	45	5	10	34	17	175	
Primary	11	6	2	-	-	14	3	5	34	4	6	16	6	107	
Secondary	1	-	-	1	-	20	-	1	11	1	4	18	11	68	
Signal/Switch Failure - Foreign	19	-	-	-	4	5	-	-	-	7	-	3	3	41	
Primary	19	-	-	-	1	3	-	-	-	5	-	3	2	33	
Secondary	-	-	-	-	3	2	-	-	-	2	-	-	1	8	
Mechanical Failure - Total	20	1	-	-	-	10	6	2	24	-	20	6	3	92	
Mechanical Failure - Metra/PSA	20	1	-	-	-	10	6	2	24	-	20	6	3	92	
Non-Locomotive Equipment Failure - Metra/PSA	6	1	-	-	-	-	2	-	1	-	2	1	3	16	
Primary	1	1	-	-	-	-	1	-	1	-	2	1	2	9	
Secondary	5	-	-	-	-	-	1	-	-	-	-	-	1	7	
Locomotive Failure - Metra/PSA	14	-	-	-	-	10	4	2	23	-	18	5	-	76	
Primary	4	-	-	-	-	2	1	1	8	-	4	1	-	21	
Secondary	10	-	-	-	-	8	3	1	15	-	14	4	-	55	
Mechanical Failure - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Train Interference - Total	-	-	-	-	2	3	-	1	-	14	-	1	-	21	
Passenger Train Interference - Metra/PSA	-	-	-	-	-	2	-	1	-	-	-	1	-	4	
Passenger Train Interference - Foreign	-	-	-	-	2	1	-	-	-	14	-	-	-	17	
Accident - Total	10	-	-	-	-	8	-	-	-	-	-	8	37	63	
Accident - Metra/PSA	10	-	-	-	-	4	-	-	-	-	-	8	16	38	
Accident - Foreign	-	-	-	-	-	4	-	-	-	-	-	-	21	25	
Track Work - Total	8	10	-	-	-	32	5	1	60	4	13	15	4	152	
Track Work - Metra/PSA	8	10	-	-	-	32	5	1	60	4	13	15	4	152	
Track Work - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Human Error - Total	29	4	3	1	2	20	4	2	22	5	13	16	11	132	
Human Error - Metra/PSA	28	4	3	1	-	17	2	1	22	-	9	5	10	102	
Human Error - Foreign	1	-	-	-	2	3	2	1	-	5	4	11	1	30	
Sick, Injured, Unruly Passenger - Total	11	-	-	1	-	11	4	3	5	-	4	15	3	57	
Sick, Injured, Unruly Passenger - Metra/PSA	11	-	-	1	-	11	4	3	5	-	4	15	3	57	
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Weather - Total	35	28	11	12	-	-	2	-	7	1	13	11	-	120	
Weather - Metra/PSA	35	28	11	12	-	-	2	-	7	1	13	11	-	120	
Weather - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Loading - Total	6	8	-	-	-	6	3	1	20	-	10	12	18	84	
Lift Deployment - Total	1	-	-	-	-	3	-	-	6	-	5	8	4	27	
Obstruction/Debris - Total	4	17	6	1	1	2	5	-	14	3	3	9	3	68	
Catenary Failure - Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other - Total	2	1	-	1	-	1	-	-	2	1	1	3	8	20	
Total Trains Delayed	167	75	22	17	16	165	48	21	213	55	93	155	131	1,178	
Total Metra/PSA Delays	137	75	22	17	1	122	30	15	205	14	88	127	86	939	
Total Foreign Carrier Delays	30	0	0	0	15	43	18	6	8	41	5	28	45	239	

Data for current month is final (09/03/19) version of TOPS

'Metra/PSA' refers to delays that may be directly or indirectly attributed to Metra or Metra Purchase of Service Agreement partners (BNSF and UP) in commuter rail operation.

'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

Table 5.b: Train Delays by Cause and Line
Average July Over Previous Five Years: 2014-2018

Cause Category	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
		Top 2 causes for each line are shaded												
Freight Interference - Total	20	-	-	-	3	11	10	6	8	13	1	8	22	102
Freight Interference - Peak	7	-	-	-	2	2	3	3	2	4	-	5	8	35
Primary	4	-	-	-	2	1	1	2	1	3	-	3	4	21
Secondary	3	-	-	-	0	1	1	1	1	0	-	2	4	14
Freight Interference - Off-Peak	13	-	-	-	0	10	8	3	5	9	1	4	14	67
Primary	11	-	-	-	0	6	4	3	4	7	1	3	11	50
Secondary	2	-	-	-	-	4	4	0	1	2	0	1	3	18
Signal/Switch Failure - Total	24	7	4	4	2	15	7	4	9	14	1	3	8	102
Signal/Switch Failure - Metra/PSA	15	7	4	4	-	12	7	2	9	6	1	3	8	78
Primary	11	5	4	3	-	8	5	1	7	3	1	2	4	54
Secondary	3	2	-	1	-	4	1	1	2	3	0	2	4	24
Signal/Switch Failure - Foreign	9	-	0	-	2	2	1	2	-	8	-	0	0	24
Primary	6	-	-	-	2	1	0	2	-	4	-	0	0	16
Secondary	3	-	0	-	0	1	0	0	-	3	-	-	-	8
Mechanical Failure - Total	15	2	1	0	1	9	10	2	22	3	7	9	6	87
Mechanical Failure - Metra/PSA	15	2	1	0	1	7	10	2	22	3	7	9	6	85
Non-Locomotive Equipment Failure - Metra/PSA	9	2	1	0	0	1	3	-	3	2	0	2	3	26
Primary	3	1	1	-	0	1	1	-	2	1	0	1	1	10
Secondary	6	1	0	0	-	-	2	-	1	1	-	2	2	16
Locomotive Failure - Metra/PSA	6	-	-	-	1	7	7	2	19	1	7	7	2	59
Primary	3	-	-	-	1	3	2	1	5	1	3	3	1	22
Secondary	3	-	-	-	0	4	5	1	14	1	4	4	1	37
Mechanical Failure - Foreign	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Passenger Train Interference - Total	5	0	0	-	1	2	1	1	1	1	-	0	0	13
Passenger Train Interference - Metra/PSA	-	0	0	-	-	1	0	1	0	-	-	0	-	4
Passenger Train Interference - Foreign	5	0	0	-	1	1	0	-	0	1	-	-	0	9
Accident - Total	4	3	-	0	0	2	4	1	4	0	3	7	1	30
Accident - Metra/PSA	2	3	-	0	-	1	4	1	3	0	3	7	1	25
Accident - Foreign	2	-	-	-	0	1	1	-	1	-	-	-	1	5
Track Work - Total	18	8	1	3	0	8	3	1	9	2	3	14	5	74
Track Work - Metra/PSA	16	8	1	3	0	8	3	1	9	1	3	14	5	71
Track Work - Foreign	2	-	-	-	-	-	-	-	-	1	-	-	-	3
Human Error - Total	21	5	1	3	3	6	4	1	5	2	8	16	9	85
Human Error - Metra/PSA	12	4	1	3	0	3	4	0	5	0	4	9	2	47
Human Error - Foreign	10	0	-	0	3	3	0	1	-	2	5	7	7	37
Sick, Injured, Unruly Passenger - Total	5	5	1	2	0	3	3	0	3	0	3	3	7	37
Sick, Injured, Unruly Passenger - Metra/PSA	5	5	1	2	0	3	3	0	3	0	3	3	7	37
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weather - Total	4	4	1	1	-	14	6	1	4	1	3	2	0	41
Weather - Metra/PSA	4	4	1	1	-	14	6	1	4	1	3	2	0	41
Weather - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Loading - Total	11	21	2	5	-	7	10	0	13	-	13	17	8	108
Lift Deployment - Total	3	1	-	-	-	4	4	0	3	0	1	1	3	20
Obstruction/Debris - Total	6	1	1	4	1	2	3	1	5	1	5	6	4	40
Catenary Failure - Total	-	2	2	6	-	-	-	-	-	-	-	-	-	10
Other - Total	4	1	1	2	-	2	1	1	3	2	2	3	4	27
Total Trains Delayed	141	59	14	30	11	84	68	20	88	41	51	90	77	774
Total Metra/PSA Delays	94	59	14	30	3	65	55	11	79	16	45	74	47	592
Total Foreign Carrier Delays	47	1	0	0	8	19	13	9	9	25	6	15	30	183

Data for latest month is final (08/27/18) version of TOPS

'Metra/PSA' refers to delays that may be directly or indirectly attributed to Metra or Metra Purchase of Service Agreement partners (BNSF and UP) in commuter rail operation.

'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

Table 5.c: Train Delays by Cause and Line
July 2019 Compared to Average July Over Previous Five Years: 2014-2018

Cause Category	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Freight Interference - Total	(10)	-	-	-	4	19	6	(1)	0	2	-	6	(2)	24
Freight Interference - Peak	(7)	-	-	-	3	6	0	(3)	(0)	1	-	2	(3)	0
Primary	(4)	-	-	-	3	1	1	(2)	0	(0)	-	(2)	(2)	(5)
Secondary	(3)	-	-	-	(0)	5	(0)	(1)	(0)	2	-	4	(1)	5
Freight Interference - Off-Peak	(3)	-	-	-	2	12	5	2	1	1	-	3	1	24
Primary	(1)	-	-	-	1	3	5	2	1	(3)	0	3	(4)	7
Secondary	(2)	-	-	-	1	9	0	(0)	(0)	4	(0)	0	5	16
Signal/Switch Failure - Total	7	(1)	(2)	(3)	2	24	(4)	2	36	(2)	9	34	12	114
Signal/Switch Failure - Metra/PSA	(3)	(1)	(2)	(3)	-	22	(4)	4	36	(1)	9	31	9	97
Primary	(0)	1	(2)	(3)	-	6	(2)	4	27	1	5	14	2	53
Secondary	(2)	(2)	-	0	-	16	(1)	0	9	(2)	4	16	7	44
Signal/Switch Failure - Foreign	10	-	(0)	-	2	3	(1)	(2)	-	(1)	-	3	3	17
Primary	13	-	-	-	(1)	2	(0)	(2)	-	1	-	3	2	17
Secondary	(3)	-	(0)	-	3	1	(0)	(0)	-	(1)	-	-	1	(0)
Mechanical Failure - Total	5	(1)	(1)	(0)	(1)	1	(4)	0	2	(3)	13	(3)	(3)	5
Mechanical Failure - Metra/PSA	5	(1)	(1)	(0)	(1)	3	(4)	0	2	(3)	13	(3)	(3)	7
Non-Locomotive Equipment Failure - Metra/PSA	(3)	(1)	(1)	(0)	(0)	(1)	(1)	-	(2)	(2)	2	(1)	(0)	(10)
Primary	(2)	0	(1)	-	(0)	(1)	0	-	-	(1)	2	0	1	(1)
Secondary	(1)	(1)	(0)	(0)	-	-	(1)	-	(2)	(1)	-	(2)	(1)	(9)
Locomotive Failure - Metra/PSA	8	-	-	-	(1)	3	(3)	0	4	(1)	11	(2)	(2)	17
Primary	1	-	-	-	(1)	(1)	(1)	0	3	(1)	1	(2)	(1)	(1)
Secondary	7	-	-	-	(0)	4	(2)	0	1	(1)	10	(0)	(1)	18
Mechanical Failure - Foreign	-	-	-	-	-	(1)	-	-	-	-	-	-	-	(1)
Passenger Train Interference - Total	(5)	(0)	(0)	-	1	1	(1)	-	(1)	13	-	1	(0)	8
Passenger Train Interference - Metra/PSA	-	(0)	(0)	-	-	1	(0)	-	(0)	-	-	1	-	-
Passenger Train Interference - Foreign	(5)	(0)	(0)	-	1	0	(0)	-	(0)	13	-	-	(0)	8
Accident - Total	6	(3)	-	(0)	(0)	6	(4)	(1)	(4)	(0)	(3)	1	36	33
Accident - Metra/PSA	8	(3)	-	(0)	-	3	(4)	(1)	(3)	(0)	(3)	1	15	13
Accident - Foreign	(2)	-	-	-	(0)	3	(1)	-	(1)	-	-	-	20	20
Track Work - Total	(10)	2	(1)	(3)	(0)	24	2	(0)	51	2	10	1	(1)	78
Track Work - Metra/PSA	(8)	2	(1)	(3)	(0)	24	2	(0)	51	3	10	1	(1)	81
Track Work - Foreign	(2)	-	-	-	-	-	-	-	-	(1)	-	-	-	(3)
Human Error - Total	8	(1)	2	(2)	(1)	14	(0)	1	17	3	5	0	2	47
Human Error - Metra/PSA	16	(0)	2	(2)	(0)	14	(2)	1	17	(0)	5	(4)	8	55
Human Error - Foreign	(9)	(0)	-	(0)	(1)	0	2	0	-	3	(1)	4	(6)	(7)
Sick, Injured, Unruly Passenger - Total	6	(5)	(1)	(1)	(0)	8	1	3	2	(0)	1	12	(4)	20
Sick, Injured, Unruly Passenger - Metra/PSA	6	(5)	(1)	(1)	(0)	8	1	3	2	(0)	1	12	(4)	20
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weather - Total	31	24	10	11	-	(14)	(4)	(1)	3	0	10	9	(0)	79
Weather - Metra/PSA	31	24	10	11	-	(14)	(4)	(1)	3	0	10	9	(0)	79
Weather - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Loading - Total	(5)	(13)	(2)	(5)	-	(1)	(7)	1	7	-	(3)	(5)	10	(24)
Lift Deployment - Total	(2)	(1)	-	-	-	(1)	(4)	(0)	3	(0)	4	7	1	7
Obstruction/Debris - Total	(2)	16	5	(3)	(0)	0	2	(1)	9	2	(2)	3	(1)	28
Catenary Failure - Total	-	(2)	(2)	(6)	-	-	-	-	-	-	-	-	-	(10)
Other - Total	(2)	(0)	(1)	(1)	-	(1)	(1)	(1)	(1)	(1)	(1)	0	4	(7)
Total Trains Delayed	26	16	8	(13)	5	81	(20)	1	125	14	42	65	54	404
Total Metra/PSA Delays	43	16	8	(13)	(2)	57	(25)	4	126	(2)	43	53	39	347
Total Foreign Carrier Delays	(17)	(1)	(0)	(0)	7	24	5	(3)	(1)	16	(1)	13	15	56

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'Metra/PSA' refers to delays that may be directly or indirectly attributed to Metra or Metra Purchase of Service Agreement partners (BNSF and UP) in commuter rail operation.

'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

Table 6.a: Train Delays by Cause & Line - YTD
January - July 2019

Cause Category	Top 2 causes for each line are shaded													
	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Freight Interference - Total	75	-	-	-	53	133	71	31	39	96	4	70	150	722
Freight Interference - Peak	16	-	-	-	45	39	22	6	9	34	1	42	43	257
Primary	14	-	-	-	33	20	17	6	6	24	1	18	19	158
Secondary	2	-	-	-	12	19	5	-	3	10	-	24	24	99
Freight Interference - Off-Peak	59	-	-	-	8	94	49	25	30	62	3	28	107	465
Primary	47	-	-	-	6	49	33	23	22	37	2	18	69	306
Secondary	12	-	-	-	2	45	16	2	8	25	1	10	38	159
Signal/Switch Failure - Total	208	55	15	10	29	177	99	31	230	72	133	149	222	1,430
Signal/Switch Failure - Metra/PSA	107	55	15	10	5	152	89	26	230	27	133	99	185	1,133
Primary	86	44	10	6	5	86	72	21	167	21	86	62	119	785
Secondary	21	11	5	4	-	66	17	5	63	6	47	37	66	348
Signal/Switch Failure - Foreign	101	-	-	-	24	25	10	5	-	45	-	50	37	297
Primary	85	-	-	-	17	17	6	3	-	27	-	32	26	213
Secondary	16	-	-	-	7	8	4	2	-	18	-	18	11	84
Mechanical Failure - Total	104	1	1	1	1	133	68	13	117	24	55	70	73	661
Mechanical Failure - Metra/PSA	102	1	-	-	1	121	66	11	117	24	55	70	73	641
Non-Locomotive Equipment Failure - Metra/PSA	33	1	-	-	-	9	5	2	20	15	7	35	25	152
Primary	11	1	-	-	-	2	3	1	5	6	4	20	13	66
Secondary	22	-	-	-	-	7	2	1	15	9	3	15	12	86
Locomotive Failure - Metra/PSA	69	-	-	-	1	112	61	9	97	9	48	35	48	489
Primary	23	-	-	-	1	29	19	4	33	4	8	12	12	145
Secondary	46	-	-	-	-	83	42	5	64	5	40	23	36	344
Mechanical Failure - Foreign	2	-	1	1	-	12	2	2	-	-	-	-	-	20
Passenger Train Interference - Total	22	2	-	2	9	22	3	6	-	37	-	1	-	104
Passenger Train Interference - Metra/PSA	2	2	-	-	1	15	-	6	-	-	-	1	-	27
Passenger Train Interference - Foreign	20	-	-	2	8	7	3	-	-	37	-	-	-	77
Accident - Total	25	81	12	-	9	20	19	7	38	14	37	46	94	402
Accident - Metra/PSA	24	15	2	-	2	16	17	7	37	2	37	46	35	240
Accident - Foreign	1	66	10	-	7	4	2	-	1	12	-	-	59	162
Track Work - Total	60	20	1	3	15	103	23	18	99	7	45	55	28	477
Track Work - Metra/PSA	60	20	1	3	15	97	16	17	99	6	45	55	28	462
Track Work - Foreign	-	-	-	-	-	6	7	1	-	1	-	-	-	15
Human Error - Total	167	9	7	3	17	113	46	28	106	38	83	81	104	802
Human Error - Metra/PSA	105	9	7	3	3	54	17	11	105	3	73	53	76	519
Human Error - Foreign	62	-	-	-	14	59	29	17	1	35	10	28	28	283
Sick, Injured, Unruly Passenger - Total	28	17	1	4	-	22	27	5	24	3	49	32	31	243
Sick, Injured, Unruly Passenger - Metra/PSA	26	17	1	4	-	22	27	5	24	3	49	32	31	241
Sick, Injured, Unruly Passenger - Foreign	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Weather - Total	164	187	65	104	4	99	54	24	190	15	110	107	79	1,202
Weather - Metra/PSA	163	187	65	104	4	99	54	24	189	11	110	107	79	1,196
Weather - Foreign	1	-	-	-	-	-	-	-	1	4	-	-	-	6
Passenger Loading - Total	15	13	4	1	-	17	18	2	66	-	51	49	57	293
Lift Deployment - Total	11	-	-	-	-	21	11	1	31	2	11	42	49	179
Obstruction/Debris - Total	53	22	8	6	1	40	24	8	62	23	26	62	33	368
Catenary Failure - Total	-	1	1	2	-	-	-	-	-	-	-	-	-	4
Other - Total	26	2	1	2	3	7	21	8	28	8	29	29	36	200
Total Trains Delayed	958	410	116	138	141	907	484	182	1,030	339	633	793	956	7,087
Total Metra/PSA Delays	694	344	105	135	35	661	360	126	988	109	619	645	682	5,503
Total Foreign Carrier Delays	264	66	11	3	106	246	124	56	42	230	14	148	274	1,584

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'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

Table 6.b: Train Delays by Cause & Line - YTD
January - July Average Over Previous 5 Years: 2014-2018

Top 2 causes for each line are shaded

Cause Category	BNSF	Electric			HER	Milw			NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W	N				NW	W		
Freight Interference - Total	157	-	0	-	27	87	82	73	44	95	10	44	147	767	
Freight Interference - Peak	70	-	0	-	25	19	21	29	13	32	2	24	48	283	
Primary	43	-	-	-	22	12	14	20	7	23	1	11	23	176	
Secondary	28	-	0	-	3	7	7	8	5	8	1	14	25	107	
Freight Interference - Off-Peak	86	-	-	-	3	68	61	44	32	63	8	19	99	484	
Primary	69	-	-	-	3	43	40	38	25	46	4	15	80	361	
Secondary	18	-	-	-	-	25	21	7	7	17	4	5	20	122	
Signal/Switch Failure - Total	155	48	24	27	17	124	80	54	63	72	18	31	70	785	
Signal/Switch Failure - Metra/PSA	95	48	24	27	1	99	65	28	61	22	18	28	66	585	
Primary	61	30	18	21	1	54	43	17	45	14	12	14	29	359	
Secondary	34	18	6	6	0	46	23	11	16	8	6	14	38	226	
Signal/Switch Failure - Foreign	60	-	0	-	15	25	14	26	2	50	-	4	4	200	
Primary	45	-	-	-	13	13	9	15	1	30	-	1	3	131	
Secondary	15	-	0	-	2	12	5	10	0	20	-	2	1	69	
Mechanical Failure - Total	113	23	7	4	5	105	64	24	113	23	62	59	55	657	
Mechanical Failure - Metra/PSA	112	19	6	4	4	96	64	24	113	23	62	59	55	641	
Non-Locomotive Equipment Failure - Metra/PSA	34	19	6	4	1	11	10	3	13	9	16	17	24	168	
Primary	13	5	2	2	1	4	4	1	6	4	6	6	10	65	
Secondary	21	13	4	2	0	7	6	2	7	5	10	11	14	103	
Locomotive Failure - Metra/PSA	78	-	-	-	3	85	54	21	100	14	46	42	31	474	
Primary	24	-	-	-	2	22	18	6	29	6	14	12	12	146	
Secondary	54	-	-	-	1	63	36	15	71	7	32	30	19	328	
Mechanical Failure - Foreign	1	4	1	0	0	8	0	0	0	-	-	-	0	16	
Passenger Train Interference - Total	15	4	2	3	7	33	5	9	5	19	1	2	6	111	
Passenger Train Interference - Metra/PSA	2	2	1	1	0	22	3	9	4	2	1	2	6	53	
Passenger Train Interference - Foreign	14	2	1	2	7	11	1	0	2	17	-	0	1	58	
Accident - Total	84	18	5	9	0	31	40	13	20	4	26	58	19	330	
Accident - Metra/PSA	66	18	5	9	0	28	38	9	16	3	26	57	14	291	
Accident - Foreign	18	-	-	-	0	3	2	3	4	2	-	1	5	39	
Track Work - Total	161	30	11	23	6	58	19	10	54	8	34	33	41	488	
Track Work - Metra/PSA	154	30	11	23	6	58	19	9	54	8	34	33	41	479	
Track Work - Foreign	7	-	-	-	-	-	1	0	-	2	-	-	-	9	
Human Error - Total	135	26	11	16	15	62	36	16	44	20	30	38	39	489	
Human Error - Metra/PSA	83	25	11	16	3	42	25	8	44	6	23	26	22	333	
Human Error - Foreign	53	1	-	0	12	20	12	8	0	14	7	12	17	156	
Sick, Injured, Unruly Passenger - Total	26	33	5	8	1	23	23	2	21	3	22	29	32	229	
Sick, Injured, Unruly Passenger - Metra/PSA	24	33	5	8	1	23	23	2	21	3	22	29	32	227	
Sick, Injured, Unruly Passenger - Foreign	2	-	-	-	-	-	-	-	0	-	-	-	-	2	
Weather - Total	163	97	30	34	5	101	79	24	120	19	62	74	59	868	
Weather - Metra/PSA	163	97	30	34	4	98	78	24	120	19	62	74	59	862	
Weather - Foreign	1	-	-	-	0	2	1	-	0	1	-	-	1	6	
Passenger Loading - Total	35	43	10	13	-	35	41	2	58	1	37	61	36	373	
Lift Deployment - Total	22	2	-	0	-	25	20	2	15	2	6	14	24	129	
Obstruction/Debris - Total	53	20	9	21	5	27	23	9	30	15	21	46	45	322	
Catenary Failure - Total	-	22	5	14	-	-	-	-	-	-	-	-	-	41	
Other - Total	32	7	4	6	0	14	13	4	16	10	16	16	27	163	
Total Trains Delayed	1,151	374	123	178	88	724	525	242	605	291	345	505	601	5,751	
Total Metra/PSA Delays	840	367	121	176	25	567	411	131	552	110	328	444	428	4,499	
Total Foreign Carrier Delays	311	7	2	2	63	157	113	110	53	181	17	61	174	1,252	

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Table 6.c: Train Delays by Cause & Line - YTD
January - July 2019 Compared to January - July Average Over Previous 5 Years: 2014-2018

Cause Category	BNSF	Electric			HER	Milw		NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W				N	NW	W	
Freight Interference - Total	(82)	-	(0)	-	26	46	(11)	(42)	(5)	1	(6)	26	3	(45)
Freight Interference - Peak	(54)	-	(0)	-	20	20	1	(23)	(4)	2	(1)	18	(5)	(26)
Primary	(29)	-	-	-	11	8	3	(14)	(1)	1	(0)	7	(4)	(18)
Secondary	(26)	-	(0)	-	9	12	(2)	(8)	(2)	2	(1)	10	(1)	(8)
Freight Interference - Off-Peak	(27)	-	-	-	5	26	(12)	(19)	(2)	(1)	(5)	9	8	(19)
Primary	(22)	-	-	-	3	6	(7)	(15)	(3)	(9)	(2)	3	(11)	(55)
Secondary	(6)	-	-	-	2	20	(5)	(5)	1	8	(3)	5	18	37
Signal/Switch Failure - Total	53	7	(9)	(17)	12	53	19	(23)	167	-	115	118	152	645
Signal/Switch Failure - Metra/PSA	12	7	(9)	(17)	4	53	24	(2)	169	5	115	71	119	548
Primary	25	14	(8)	(15)	4	32	29	4	122	7	74	48	90	426
Secondary	(13)	(7)	(1)	(2)	(0)	20	(6)	(6)	47	(2)	41	23	28	122
Signal/Switch Failure - Foreign	41	-	(0)	-	9	-	(4)	(21)	(2)	(5)	-	46	33	97
Primary	40	-	-	-	4	4	(3)	(12)	(1)	(3)	-	31	23	82
Secondary	1	-	(0)	-	5	(4)	(1)	(8)	(0)	(2)	-	16	10	15
Mechanical Failure - Total	(9)	(22)	(6)	(3)	(4)	28	4	(11)	4	1	(7)	11	18	4
Mechanical Failure - Metra/PSA	(10)	(18)	(6)	(4)	(3)	25	2	(13)	4	1	(7)	11	18	(0)
Non-Locomotive Equipment Failure - Metra/PSA	(1)	(18)	(6)	(4)	(1)	(2)	(5)	(1)	7	6	(9)	18	1	(16)
Primary	(2)	(4)	(2)	(2)	(1)	(2)	(1)	-	(1)	2	(2)	14	3	1
Secondary	1	(13)	(4)	(2)	(0)	(0)	(4)	(1)	8	4	(7)	4	(2)	(17)
Locomotive Failure - Metra/PSA	(9)	-	-	-	(2)	27	7	(12)	(3)	(5)	2	(7)	17	15
Primary	(1)	-	-	-	(1)	7	1	(2)	4	(2)	(6)	(0)	0	(1)
Secondary	(8)	-	-	-	(1)	20	6	(10)	(7)	(2)	8	(7)	17	16
Mechanical Failure - Foreign	1	(4)	0	1	(0)	4	2	2	(0)	-	-	-	(0)	4
Passenger Train Interference - Total	7	(2)	(2)	(1)	2	(11)	(2)	(3)	(5)	18	(1)	(1)	(6)	(7)
Passenger Train Interference - Metra/PSA	0	0	(1)	(1)	1	(7)	(3)	(3)	(4)	(2)	(1)	(1)	(6)	(26)
Passenger Train Interference - Foreign	6	(2)	(1)	0	1	(4)	2	(0)	(2)	20	-	(0)	(1)	19
Accident - Total	(59)	63	7	(9)	9	(11)	(21)	(6)	18	10	11	(12)	75	72
Accident - Metra/PSA	(42)	(3)	(3)	(9)	2	(12)	(21)	(2)	21	(1)	11	(11)	21	(51)
Accident - Foreign	(17)	66	10	-	7	1	(0)	(3)	(3)	10	-	(1)	54	123
Track Work - Total	(101)	(10)	(10)	(20)	9	45	4	8	45	(1)	11	22	(13)	(11)
Track Work - Metra/PSA	(94)	(10)	(10)	(20)	9	39	(3)	8	45	-	11	22	(13)	(17)
Track Work - Foreign	(7)	-	-	-	-	6	6	1	-	(1)	-	-	-	6
Human Error - Total	32	(17)	(4)	(13)	2	51	10	12	62	18	53	43	65	313
Human Error - Metra/PSA	22	(16)	(4)	(13)	0	12	(8)	3	61	(3)	50	27	54	186
Human Error - Foreign	9	(1)	-	(0)	2	39	17	9	1	21	3	16	11	127
Sick, Injured, Unruly Passenger - Total	2	(16)	(4)	(4)	(1)	(1)	4	3	3	(0)	27	3	(1)	14
Sick, Injured, Unruly Passenger - Metra/PSA	2	(16)	(4)	(4)	(1)	(1)	4	3	3	(0)	27	3	(1)	14
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	(0)	-	-	-	-	(0)
Weather - Total	1	90	35	70	(1)	(2)	(25)	0	70	(4)	48	33	20	334
Weather - Metra/PSA	0	90	35	70	(0)	1	(24)	0	69	(8)	48	33	20	334
Weather - Foreign	0	-	-	-	(0)	(2)	(1)	-	1	3	-	-	(1)	0
Passenger Loading - Total	(20)	(30)	(6)	(12)	-	(18)	(23)	(0)	8	(1)	14	(12)	21	(80)
Lift Deployment - Total	(11)	(2)	-	(0)	-	(4)	(9)	(1)	16	0	5	28	25	50
Obstruction/Debris - Total	(0)	2	(1)	(15)	(4)	13	1	(1)	32	8	5	16	(12)	46
Catenary Failure - Total	-	(21)	(4)	(12)	-	-	-	-	-	-	-	-	-	(37)
Other - Total	(6)	(5)	(3)	(4)	3	(7)	8	4	12	(2)	13	13	9	37
Total Trains Delayed	(193)	36	(7)	(40)	53	183	(41)	(60)	425	48	288	288	355	1,336
Total Metra/PSA Delays	(146)	(23)	(16)	(41)	10	94	(51)	(5)	436	(1)	291	201	254	1,004
Total Foreign Carrier Delays	(47)	59	9	1	43	89	11	(54)	(11)	49	(3)	87	100	332

Data for current month is final (09/03/19) version of TOPS

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'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

**Table 7.a: Train Delays by Cause & Month
2019**

Top 2 causes for each month are shaded													
Cause Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan - Jul
Freight Interference - Total	100	142	108	77	77	92	126						722 10.2%
Freight Interference - Peak	38	52	39	25	29	39	35						257 3.6%
Primary	27	33	25	17	20	20	16						158 2.2%
Secondary	11	19	14	8	9	19	19						99 1.4%
Freight Interference - Off-Peak	62	90	69	52	48	53	91						465 6.6%
Primary	35	55	53	32	33	41	57						306 4.3%
Secondary	27	35	16	20	15	12	34						159 2.2%
Signal/Switch Failure - Total	196	393	146	182	196	101	216						1,430 20.2%
Signal/Switch Failure - Metra/PSA	160	320	109	134	153	82	175						1,133 16.0%
Primary	132	215	87	85	95	64	107						785 11.1%
Secondary	28	105	22	49	58	18	68						348 4.9%
Signal/Switch Failure - Foreign	36	73	37	48	43	19	41						297 4.2%
Primary	27	51	25	30	33	14	33						213 3.0%
Secondary	9	22	12	18	10	5	8						84 1.2%
Mechanical Failure - Total	121	106	66	67	96	113	92						661 9.3%
Mechanical Failure - Metra/PSA	116	91	66	67	96	113	92						641 9.0%
Non-Locomotive Equipment Failure - Metra/PSA	21	33	19	31	14	18	16						152 2.1%
Primary	11	13	8	10	8	7	9						66 0.9%
Secondary	10	20	11	21	6	11	7						86 1.2%
Locomotive Failure - Metra/PSA	95	58	47	36	82	95	76						489 6.9%
Primary	26	19	16	15	23	25	21						145 2.0%
Secondary	69	39	31	21	59	70	55						344 4.9%
Mechanical Failure - Foreign	5	15	-	-	-	-	-						20 0.3%
Passenger Train Interference - Total	20	13	17	1	6	26	21						104 1.5%
Passenger Train Interference - Metra/PSA	6	8	4	-	-	5	4						27 0.4%
Passenger Train Interference - Foreign	14	5	13	1	6	21	17						77 1.1%
Accident - Total	47	171	21	30	45	25	63						402 5.7%
Accident - Metra/PSA	7	84	20	22	45	24	38						240 3.4%
Accident - Foreign	40	87	1	8	-	1	25						162 2.3%
Track Work - Total	11	52	38	62	75	87	152						477 6.7%
Track Work - Metra/PSA	11	46	32	62	72	87	152						462 6.5%
Track Work - Foreign	-	6	6	-	3	-	-						15 0.2%
Human Error - Total	106	256	73	66	111	58	132						802 11.3%
Human Error - Metra/PSA	94	108	36	46	92	41	102						519 7.3%
Human Error - Foreign	12	148	37	20	19	17	30						283 4.0%
Sick, Injured, Unruly Passenger - Total	19	65	16	20	37	29	57						243 3.4%
Sick, Injured, Unruly Passenger - Metra/PSA	19	65	16	20	35	29	57						241 3.4%
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	2	-	-						2 0.0%
Weather - Total	591	401	18	37	23	12	120						1,202 17.0%
Weather - Metra/PSA	586	400	18	37	23	12	120						1,196 16.9%
Weather - Foreign	5	1	-	-	-	-	-						6 0.1%
Passenger Loading - Total	12	40	29	19	37	72	84						293 4.1%
Lift Deployment - Total	11	37	29	24	34	17	27						179 2.5%
Obstruction/Debris - Total	79	72	32	45	41	31	68						368 5.2%
Catenary Failure - Total	-	-	-	-	3	1	-						4 0.1%
Other - Total	28	57	17	29	30	19	20						200 2.8%
Total Trains Delayed	1,341	1,805	610	659	811	683	1,178						7,087 100.0%
Total Metra/PSA Delays	1,129	1,328	408	505	661	533	939						5,503 77.6%
Total Foreign Carrier Delays	212	477	202	154	150	150	239						1,584 22.4%

Data for current month is final (09/03/19) version of TOPS

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'Foreign' refers to delays that may be directly or indirectly attributed to other carriers, including freight carriers, Amtrak, and NICTD, that affect Metra trains. 'Foreign' also includes delays attributable to BNSF and Union Pacific freight operations.

**Table 7.b: Train Delays by Cause & Month
2018**

Top 2 causes for each month are shaded														
Cause Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan - Jul	
Freight Interference - Total	134	126	154	86	136	141	101	95	133	159	112	137	878	14.6%
Freight Interference - Peak	65	52	55	30	42	55	39	29	30	61	44	54	338	5.6%
Primary	36	25	26	20	27	26	16	19	17	34	27	26	176	2.9%
Secondary	29	27	29	10	15	29	23	10	13	27	17	28	162	2.7%
Freight Interference - Off-Peak	69	74	99	56	94	86	62	66	103	98	68	83	540	9.0%
Primary	43	58	76	49	69	62	48	52	68	66	48	57	405	6.7%
Secondary	26	16	23	7	25	24	14	14	35	32	20	26	135	2.2%
Signal/Switch Failure - Total	160	171	102	95	145	149	128	141	124	110	217	197	950	15.8%
Signal/Switch Failure - Metra/PSA	97	133	96	73	113	103	103	131	97	89	179	188	718	12.0%
Primary	68	105	51	52	92	63	74	72	73	61	144	132	505	8.4%
Secondary	29	28	45	21	21	40	29	59	24	28	35	56	213	3.5%
Signal/Switch Failure - Foreign	63	38	6	22	32	46	25	10	27	21	38	9	232	3.9%
Primary	22	33	5	20	17	30	16	8	17	15	26	5	143	2.4%
Secondary	41	5	1	2	15	16	9	2	10	6	12	4	89	1.5%
Mechanical Failure - Total	204	139	89	60	74	92	65	102	70	95	94	98	723	12.0%
Mechanical Failure - Metra/PSA	200	132	88	55	74	92	63	102	69	87	84	96	704	11.7%
Non-Loomotive Equipment Failure - Metra/PSA	46	49	21	10	10	12	23	7	13	30	29	26	171	2.8%
Primary	13	13	8	5	8	8	15	6	7	8	7	10	70	1.2%
Secondary	33	36	13	5	2	4	8	1	6	22	22	16	101	1.7%
Locomotive Failure - Metra/PSA	154	83	67	45	64	80	40	95	56	57	55	70	533	8.9%
Primary	25	19	20	15	20	21	20	20	16	22	18	25	140	2.3%
Secondary	129	64	47	30	44	59	20	75	40	35	37	45	393	6.5%
Mechanical Failure - Foreign	4	7	1	5	-	-	2	-	1	8	10	2	19	0.3%
Passenger Train Interference - Total	15	12	9	29	33	28	25	5	19	17	23	7	151	2.5%
Passenger Train Interference - Metra/PSA	7	5	6	12	10	7	1	3	6	9	8	4	48	0.8%
Passenger Train Interference - Foreign	8	7	3	17	23	21	24	2	13	8	15	3	103	1.7%
Accident - Total	25	82	70	12	25	-	19	23	20	43	45	43	233	3.9%
Accident - Metra/PSA	25	79	67	7	12	-	13	17	20	43	45	43	203	3.4%
Accident - Foreign	-	3	3	5	13	-	6	6	-	-	-	-	30	0.5%
Track Work - Total	11	18	43	101	100	100	58	59	88	120	51	36	431	7.2%
Track Work - Metra/PSA	11	18	43	101	99	97	57	59	88	120	51	36	426	7.1%
Track Work - Foreign	-	-	-	-	1	3	1	-	-	-	-	-	5	0.1%
Human Error - Total	109	121	61	52	94	91	80	104	69	72	63	79	608	10.1%
Human Error - Metra/PSA	95	100	49	14	64	59	37	92	53	49	42	72	418	7.0%
Human Error - Foreign	14	21	12	38	30	32	43	12	16	23	21	7	190	3.2%
Sick, Injured, Unruly Passenger - Total	24	33	44	33	43	44	36	32	32	25	20	22	257	4.3%
Sick, Injured, Unruly Passenger - Metra/PSA	24	33	44	33	43	44	36	32	32	25	20	22	257	4.3%
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%
Weather - Total	172	295	14	27	71	51	8	41	34	10	295	36	638	10.6%
Weather - Metra/PSA	172	294	13	27	70	51	8	40	34	10	295	36	635	10.6%
Weather - Foreign	-	1	1	-	1	-	-	1	-	-	-	-	3	0.0%
Passenger Loading - Total	31	56	32	13	67	95	78	139	33	35	37	46	372	6.2%
Lift Deployment - Total	24	27	21	13	45	23	30	36	27	18	27	29	183	3.0%
Obstruction/Debris - Total	40	82	29	62	60	51	63	35	30	59	47	57	387	6.4%
Catenary Failure - Total	-	1	1	-	-	-	-	-	9	1	3	63	2	0.0%
Other - Total	38	27	25	19	33	22	31	20	22	19	5	20	195	3.2%
Total Trains Delayed	987	1,190	694	602	926	887	722	832	710	782	1,039	870	6,008	100.0%
Total Metra/PSA Delays	764	987	514	429	690	644	520	706	520	563	843	712	4,548	75.7%
Total Foreign Carrier Delays	223	203	180	173	236	243	202	126	190	219	196	158	1,460	24.3%

Data for latest month is final (01/28/19) version from TOPS.

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Table 8: Train Delays by Duration
July 2019

Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
Weekday Peak *														
6-10	43	7	2	2	4	32	9	4	49	6	14	33	15	220
11-15	15	2	2	0	2	13	3	1	22	3	6	26	9	104
16-20	7	1	0	1	0	4	1	1	10	2	3	11	1	42
21+	15	19	3	0	6	13	1	0	17	7	6	10	15	112
Annulled	<u>10</u>	<u>11</u>	<u>4</u>	<u>6</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>2</u>	<u>1</u>	<u>41</u>
Sub-Total	90	40	11	9	12	63	15	6	99	18	33	82	41	519
Weekday Off-Peak **														
6-10	35	7	3	0	1	27	12	11	38	17	22	15	30	218
11-15	17	3	1	1	1	15	4	4	11	4	6	2	21	90
16-20	7	0	0	1	2	8	0	0	10	6	2	4	4	44
21+	10	5	2	2	0	14	3	0	24	9	3	8	23	103
Annulled	<u>3</u>	<u>4</u>	<u>4</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>24</u>
Sub-Total	72	19	10	7	4	64	20	15	87	36	35	30	80	479
Saturday														
6-10	1	7	0	0	0	10	2	0	14	0	5	7	2	48
11-15	1	1	0	1	0	1	1	0	5	1	6	5	0	22
16-20	0	4	0	0	0	0	2	0	3	0	0	2	0	11
21+	0	1	1	0	0	10	0	0	1	0	3	11	1	28
Annulled	<u>0</u>	<u>0</u>	<u>0</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>1</u>	<u>0</u>	<u>3</u>
Sub-Total	2	13	1	1	0	21	5	0	23	1	16	26	3	112
Sunday-Holiday														
6-10	0	2	0	0	0	4	4	0	2	0	3	5	1	21
11-15	1	0	0	0	0	0	1	0	0	0	3	7	3	15
16-20	1	1	0	0	0	1	1	0	2	0	0	2	0	8
21+	1	0	0	0	0	9	2	0	0	0	3	2	3	20
Annulled	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>4</u>
Sub-Total	3	3	0	0	0	17	8	0	4	0	9	17	7	68
July 2019 Total														
6-10	79	23	5	2	5	73	27	15	103	23	44	60	48	507
11-15	34	6	3	2	3	29	9	5	38	8	21	40	33	231
16-20	15	6	0	2	2	13	4	1	25	8	5	19	5	105
21+	26	25	6	2	6	46	6	0	42	16	15	31	42	263
Annulled	<u>13</u>	<u>15</u>	<u>8</u>	<u>9</u>	<u>0</u>	<u>4</u>	<u>2</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>8</u>	<u>5</u>	<u>3</u>	<u>72</u>
TOTAL	167	75	22	17	16	165	48	21	213	55	93	155	131	1,178
2019 Year-to-Date														
6-10	440	112	41	26	50	365	207	99	514	107	248	331	385	2,925
11-15	161	54	11	15	23	184	106	33	184	69	156	167	223	1,386
16-20	94	29	2	7	17	103	45	14	96	35	73	91	108	714
21+	181	67	15	5	37	216	98	31	195	114	116	182	205	1,462
Annulled	<u>82</u>	<u>148</u>	<u>47</u>	<u>85</u>	<u>14</u>	<u>39</u>	<u>28</u>	<u>5</u>	<u>41</u>	<u>14</u>	<u>40</u>	<u>22</u>	<u>35</u>	<u>600</u>
TOTAL	958	410	116	138	141	907	484	182	1,030	339	633	793	956	7,087
Share of Delays by Duration														
Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
July 2019 Total														
6-10	47.3%	30.7%	22.7%	11.8%	31.3%	44.2%	56.3%	71.4%	48.4%	41.8%	47.3%	38.7%	36.6%	43.0%
11-15	20.4%	8.0%	13.6%	11.8%	18.8%	17.6%	18.8%	23.8%	17.8%	14.5%	22.6%	25.8%	25.2%	19.6%
16-20	9.0%	8.0%	0.0%	11.8%	12.5%	7.9%	8.3%	4.8%	11.7%	14.5%	5.4%	12.3%	3.8%	8.9%
21+	15.6%	33.3%	27.3%	11.8%	37.5%	27.9%	12.5%	0.0%	19.7%	29.1%	16.1%	20.0%	32.1%	22.3%
Annulled	<u>7.8%</u>	<u>20.0%</u>	<u>36.4%</u>	<u>52.9%</u>	<u>0.0%</u>	<u>2.4%</u>	<u>4.2%</u>	<u>0.0%</u>	<u>2.3%</u>	<u>0.0%</u>	<u>8.6%</u>	<u>3.2%</u>	<u>2.3%</u>	<u>6.1%</u>
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%
2019 Year-to-Date Delays By Duration														
6-10	45.9%	27.3%	35.3%	18.8%	35.5%	40.2%	42.8%	54.4%	49.9%	31.6%	39.2%	41.7%	40.3%	41.3%
11-15	16.8%	13.2%	9.5%	10.9%	16.3%	20.3%	21.9%	18.1%	17.9%	20.4%	24.6%	21.1%	23.3%	19.6%
16-20	9.8%	7.1%	1.7%	5.1%	12.1%	11.4%	9.3%	7.7%	9.3%	10.3%	11.5%	11.5%	11.3%	10.1%
21+	18.9%	16.3%	12.9%	3.6%	26.2%	23.8%	20.2%	17.0%	18.9%	33.6%	18.3%	23.0%	21.4%	20.6%
Annulled	<u>8.6%</u>	<u>36.1%</u>	<u>40.5%</u>	<u>61.6%</u>	<u>9.9%</u>	<u>4.3%</u>	<u>5.8%</u>	<u>2.7%</u>	<u>4.0%</u>	<u>4.1%</u>	<u>6.3%</u>	<u>2.8%</u>	<u>3.7%</u>	<u>8.5%</u>
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 trains.

Data for most recent month is final (09/03/2019) version from TOPS.