

On-Time Performance

March 2019



Prepared by the Division of Strategic Capital Planning

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

Cause Category	BNSF	Electric			HER	Milw			NCS	RI	SWS	Union Pacific			SYSTEM
		ML	BI	SC		N	W	N				NW	W		
Freight Interference - Total	9	-	-	-	5	19	9	6	2	16	-	18	24	108	
Freight Interference - Peak	-	-	-	-	5	3	3	2	-	8	-	12	6	39	
Primary	-	-	-	-	5	2	3	2	-	6	-	3	4	25	
Secondary	-	-	-	-	-	1	-	-	-	2	-	9	2	14	
Freight Interference - Off-Peak	9	-	-	-	-	16	6	4	2	8	-	6	18	69	
Primary	8	-	-	-	-	9	6	4	2	8	-	2	14	53	
Secondary	1	-	-	-	-	7	-	-	-	-	-	4	4	16	
Signal/Switch Failure - Total	3	2	3	-	3	25	16	5	17	16	20	12	24	146	
Signal/Switch Failure - Metra/PSA	3	2	3	-	1	19	15	5	17	3	20	4	17	109	
Primary	2	2	3	-	1	12	11	5	17	3	13	4	14	87	
Secondary	1	-	-	-	-	7	4	-	-	-	7	-	3	22	
Signal/Switch Failure - Foreign	-	-	-	-	2	6	1	-	-	13	-	8	7	37	
Primary	-	-	-	-	2	4	1	-	-	5	-	8	5	25	
Secondary	-	-	-	-	-	2	-	-	-	8	-	-	2	12	
Mechanical Failure - Total	2	-	-	-	-	20	8	-	8	-	1	2	25	66	
Mechanical Failure - Metra/PSA	2	-	-	-	-	20	8	-	8	-	1	2	25	66	
Non-Locomotive Equipment Failure - Metra/PSA	1	-	-	-	-	1	-	-	5	-	1	-	11	19	
Primary	-	-	-	-	-	1	-	-	1	-	-	-	6	8	
Secondary	1	-	-	-	-	-	-	-	4	-	1	-	5	11	
Locomotive Failure - Metra/PSA	1	-	-	-	-	19	8	-	3	-	-	2	14	47	
Primary	1	-	-	-	-	5	4	-	1	-	-	2	3	16	
Secondary	-	-	-	-	-	14	4	-	2	-	-	-	11	31	
Mechanical Failure - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Train Interference - Total	1	1	-	-	5	2	2	1	-	5	-	-	-	17	
Passenger Train Interference - Metra/PSA	1	1	-	-	1	-	-	1	-	-	-	-	-	4	
Passenger Train Interference - Foreign	-	-	-	-	4	2	2	-	-	5	-	-	-	13	
Accident - Total	-	-	-	-	-	-	-	-	1	-	-	20	-	21	
Accident - Metra/PSA	-	-	-	-	-	-	-	-	-	-	-	20	-	20	
Accident - Foreign	-	-	-	-	-	-	-	-	1	-	-	-	-	1	
Track Work - Total	2	2	-	1	2	9	1	6	1	-	4	4	6	38	
Track Work - Metra/PSA	2	2	-	1	2	4	1	5	1	-	4	4	6	32	
Track Work - Foreign	-	-	-	-	-	5	-	1	-	-	-	-	-	6	
Human Error - Total	8	-	2	-	3	7	6	1	9	-	12	9	16	73	
Human Error - Metra/PSA	3	-	2	-	-	3	1	1	9	-	10	4	3	36	
Human Error - Foreign	5	-	-	-	3	4	5	-	-	-	2	5	13	37	
Sick, Injured, Unruly Passenger - Total	3	1	1	1	-	-	4	-	3	-	-	2	1	16	
Sick, Injured, Unruly Passenger - Metra/PSA	3	1	1	1	-	-	4	-	3	-	-	2	1	16	
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Weather - Total	3	1	-	-	1	-	-	-	3	-	3	2	5	18	
Weather - Metra/PSA	3	1	-	-	1	-	-	-	3	-	3	2	5	18	
Weather - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Loading - Total	1	-	-	-	-	2	2	1	5	-	3	4	11	29	
Lift Deployment - Total	2	-	-	-	-	4	2	-	3	1	-	3	14	29	
Obstruction/Debris - Total	15	-	-	2	-	-	1	-	3	2	6	2	1	32	
Catenary Failure - Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other - Total	-	-	-	-	-	-	-	1	2	1	4	3	6	17	
Total Trains Delayed	49	7	6	4	19	88	51	21	57	41	53	81	133	610	
Total Metra/PSA Delays	35	7	6	4	5	52	34	14	54	7	51	50	89	408	
Total Foreign Carrier Delays	14	0	0	0	14	36	17	7	3	34	2	31	44	202	

Data for current month is FINAL (04/26/19) 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 March Over Previous Five Years: 2014-2018

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	19	-	-	-	6	10	12	11	4	14	2	6	24	108	
Freight Interference - Peak	8	-	-	-	5	1	3	4	1	6	1	3	7	39	
Primary	3	-	-	-	4	1	1	3	0	4	0	1	3	22	
Secondary	5	-	-	-	1	1	1	1	1	2	0	1	4	17	
Freight Interference - Off-Peak	11	-	-	-	0	8	10	7	3	8	2	3	17	69	
Primary	9	-	-	-	0	6	7	6	2	6	1	3	13	53	
Secondary	2	-	-	-	-	3	3	1	1	2	1	0	3	16	
Signal/Switch Failure - Total	11	10	3	2	1	16	14	9	8	5	4	2	4	90	
Signal/Switch Failure - Metra/PSA	11	10	3	2	-	15	12	5	8	2	4	2	4	79	
Primary	4	5	2	1	-	6	8	3	5	1	2	2	3	43	
Secondary	7	5	1	1	-	9	4	2	3	1	2	0	1	36	
Signal/Switch Failure - Foreign	-	-	-	-	1	1	1	5	-	3	-	0	0	11	
Primary	-	-	-	-	1	1	1	3	-	2	-	0	0	8	
Secondary	-	-	-	-	-	-	0	2	-	1	-	0	0	3	
Mechanical Failure - Total	10	1	0	0	1	14	15	4	23	3	10	10	5	96	
Mechanical Failure - Metra/PSA	10	1	0	0	0	14	15	4	23	3	10	10	5	96	
Non-Locomotive Equipment Failure - Metra/PSA	3	1	0	0	0	3	2	1	3	2	1	2	3	21	
Primary	1	1	-	0	0	1	1	1	1	0	0	1	1	7	
Secondary	2	0	0	-	0	2	1	1	2	2	0	1	2	14	
Locomotive Failure - Metra/PSA	7	-	-	-	-	11	14	3	20	1	9	8	2	74	
Primary	2	-	-	-	-	3	4	0	5	1	3	2	1	21	
Secondary	5	-	-	-	-	8	10	2	15	1	7	6	1	53	
Mechanical Failure - Foreign	-	-	-	-	0	0	-	-	-	-	-	-	-	1	
Passenger Train Interference - Total	1	0	-	-	0	4	-	1	0	1	-	-	0	8	
Passenger Train Interference - Metra/PSA	0	0	-	-	-	3	-	1	0	0	-	-	0	6	
Passenger Train Interference - Foreign	1	0	-	-	0	1	-	-	0	1	-	-	-	3	
Accident - Total	21	3	1	0	-	3	2	1	2	2	5	10	1	51	
Accident - Metra/PSA	21	3	1	0	-	3	2	0	1	1	5	10	1	48	
Accident - Foreign	1	-	-	-	-	-	-	1	1	1	-	-	-	3	
Track Work - Total	8	4	1	2	-	4	5	1	1	1	3	1	2	33	
Track Work - Metra/PSA	8	4	1	2	-	4	5	1	1	1	3	1	2	33	
Track Work - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Human Error - Total	15	1	1	1	1	11	7	4	5	3	4	2	5	58	
Human Error - Metra/PSA	10	1	1	1	-	8	6	3	5	1	4	1	3	43	
Human Error - Foreign	5	-	-	-	1	3	2	1	-	2	0	1	2	15	
Sick, Injured, Unruly Passenger - Total	4	5	1	1	-	5	2	0	2	1	4	4	4	32	
Sick, Injured, Unruly Passenger - Metra/PSA	3	5	1	1	-	5	2	0	2	1	4	4	4	31	
Sick, Injured, Unruly Passenger - Foreign	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
Weather - Total	5	10	3	4	-	5	8	1	5	1	2	2	4	48	
Weather - Metra/PSA	5	10	3	4	-	5	8	1	5	1	2	2	4	48	
Weather - Foreign	-	-	-	-	-	-	-	-	-	0	-	-	-	0	
Passenger Loading - Total	3	1	1	1	-	5	9	-	8	-	2	4	5	41	
Lift Deployment - Total	3	-	-	-	-	3	2	0	1	0	1	1	4	15	
Obstruction/Debris - Total	2	1	1	2	0	6	5	1	3	3	2	3	3	30	
Catenary Failure - Total	-	3	0	2	-	-	-	-	-	-	-	-	-	5	
Other - Total	4	1	1	-	-	4	1	1	3	1	1	1	4	21	
Total Trains Delayed	105	40	13	16	9	90	82	35	64	34	41	46	64	638	
Total Metra/PSA Delays	79	39	13	16	1	75	67	17	59	14	38	40	38	496	
Total Foreign Carrier Delays	26	0	-	-	8	15	15	18	5	20	3	7	26	142	

Data for current month is FINAL 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
March 2019 Compared to Average March 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)	-	-	-	(1)	9	(3)	(5)	(2)	2	(2)	12	-	0
Freight Interference - Peak	(8)	-	-	-	(0)	2	0	(2)	(1)	2	(1)	9	(1)	0
Primary	(3)	-	-	-	1	1	2	(1)	(0)	2	(0)	2	1	3
Secondary	(5)	-	-	-	(1)	0	(1)	(1)	(1)	0	(0)	8	(2)	(3)
Freight Interference - Off-Peak	(2)	-	-	-	(0)	8	(4)	(3)	(1)	0	(2)	3	1	0
Primary	(1)	-	-	-	(0)	3	(1)	(2)	-	2	(1)	(1)	1	0
Secondary	(1)	-	-	-	-	4	(3)	(1)	(1)	(2)	(1)	4	1	-
Signal/Switch Failure - Total	(8)	(8)	(0)	(2)	2	9	2	(4)	9	11	16	10	20	56
Signal/Switch Failure - Metra/PSA	(8)	(8)	(0)	(2)	1	4	3	0	9	1	16	2	13	30
Primary	(2)	(3)	1	(1)	1	6	3	2	12	2	11	2	11	44
Secondary	(6)	(5)	(1)	(1)	-	(2)	-	(2)	(3)	(1)	5	(0)	2	(14)
Signal/Switch Failure - Foreign	-	-	-	-	1	5	(0)	(5)	-	10	-	8	7	26
Primary	-	-	-	-	1	3	-	(3)	-	3	-	8	5	17
Secondary	-	-	-	-	-	2	(0)	(2)	-	7	-	(0)	2	9
Mechanical Failure - Total	(8)	(1)	(0)	(0)	(1)	6	(7)	(4)	(15)	(3)	(9)	(8)	20	(30)
Mechanical Failure - Metra/PSA	(8)	(1)	(0)	(0)	(0)	6	(7)	(4)	(15)	(3)	(9)	(8)	20	(30)
Non-Locomotive Equipment Failure - Metra/PSA	(2)	(1)	(0)	(0)	(0)	(2)	(2)	(1)	2	(2)	0	(2)	8	(2)
Primary	(1)	(1)	-	(0)	(0)	0	(1)	(1)	0	(0)	(0)	(1)	5	1
Secondary	(1)	(0)	(0)	-	(0)	(2)	(1)	(1)	2	(2)	1	(1)	3	(3)
Locomotive Failure - Metra/PSA	(6)	-	-	-	-	8	(6)	(3)	(17)	(1)	(9)	(6)	12	(27)
Primary	(1)	-	-	-	-	2	0	(0)	(4)	(1)	(3)	0	2	(5)
Secondary	(5)	-	-	-	-	6	(6)	(2)	(13)	(1)	(7)	(6)	10	(22)
Mechanical Failure - Foreign	-	-	-	-	(0)	(0)	-	-	-	-	-	-	-	(1)
Passenger Train Interference - Total	-	1	-	-	5	(2)	2	(0)	(0)	4	-	-	(0)	9
Passenger Train Interference - Metra/PSA	1	1	-	-	1	(3)	-	(0)	(0)	(0)	-	-	(0)	(2)
Passenger Train Interference - Foreign	(1)	(0)	-	-	4	1	2	-	(0)	5	-	-	-	10
Accident - Total	(21)	(3)	(1)	(0)	-	(3)	(2)	(1)	(1)	(2)	(5)	10	(1)	(30)
Accident - Metra/PSA	(21)	(3)	(1)	(0)	-	(3)	(2)	(0)	(1)	(1)	(5)	10	(1)	(28)
Accident - Foreign	(1)	-	-	-	-	-	-	(1)	0	(1)	-	-	-	(2)
Track Work - Total	(6)	(2)	(1)	(1)	2	5	(4)	5	(0)	(1)	1	3	4	5
Track Work - Metra/PSA	(6)	(2)	(1)	(1)	2	(0)	(4)	4	(0)	(1)	1	3	4	(1)
Track Work - Foreign	-	-	-	-	-	5	-	1	-	-	-	-	-	6
Human Error - Total	(7)	(1)	1	(1)	2	(4)	(1)	(3)	4	(3)	8	7	11	15
Human Error - Metra/PSA	(7)	(1)	1	(1)	-	(5)	(5)	(2)	4	(1)	6	3	0	(7)
Human Error - Foreign	(0)	-	-	-	2	1	3	(1)	-	(2)	2	4	11	22
Sick, Injured, Unruly Passenger - Total	(1)	(4)	0	-	-	(5)	2	(0)	1	(1)	(4)	(2)	(3)	(16)
Sick, Injured, Unruly Passenger - Metra/PSA	(0)	(4)	0	-	-	(5)	2	(0)	1	(1)	(4)	(2)	(3)	(15)
Sick, Injured, Unruly Passenger - Foreign	(1)	-	-	-	-	-	-	-	-	-	-	-	-	(1)
Weather - Total	(2)	(9)	(3)	(4)	1	(5)	(8)	(1)	(2)	(1)	1	0	1	(30)
Weather - Metra/PSA	(2)	(9)	(3)	(4)	1	(5)	(8)	(1)	(2)	(1)	1	0	1	(30)
Weather - Foreign	-	-	-	-	-	-	-	-	-	(0)	-	-	-	(0)
Passenger Loading - Total	(2)	(1)	(1)	(1)	-	(3)	(7)	1	(3)	-	1	(0)	6	(12)
Lift Deployment - Total	(1)	-	-	-	-	1	(0)	(0)	2	1	(1)	2	10	14
Obstruction/Debris - Total	13	(1)	(1)	-	(0)	(6)	(4)	(1)	(0)	(1)	4	(1)	(2)	2
Catenary Failure - Total	-	(3)	(0)	(2)	-	-	-	-	-	-	-	-	-	(5)
Other - Total	(4)	(1)	(1)	-	-	(4)	(1)	0	(1)	-	3	2	2	(4)
Total Trains Delayed	(56)	(33)	(7)	(12)	10	(2)	(31)	(14)	(7)	7	12	35	69	(28)
Total Metra/PSA Delays	(44)	(32)	(7)	(12)	4	(23)	(33)	(3)	(5)	(7)	13	10	51	(88)
Total Foreign Carrier Delays	(12)	(0)	-	-	6	21	2	(11)	(2)	14	(1)	24	18	60

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Table 6.a: Train Delays by Cause & Line - YTD
January - March 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	33	-	-	-	22	70	24	15	15	43	3	43	82	350
Freight Interference - Peak	8	-	-	-	20	18	8	4	4	17	1	28	21	129
Primary	7	-	-	-	17	9	8	4	3	11	1	15	10	85
Secondary	1	-	-	-	3	9	-	-	1	6	-	13	11	44
Freight Interference - Off-Peak	25	-	-	-	2	52	16	11	11	26	2	15	61	221
Primary	18	-	-	-	2	28	15	9	7	16	1	8	39	143
Secondary	7	-	-	-	-	24	1	2	4	10	1	7	22	78
Signal/Switch Failure - Total	106	24	6	2	14	78	59	17	94	29	108	58	140	735
Signal/Switch Failure - Metra/PSA	60	24	6	2	4	67	55	13	94	7	108	37	112	589
Primary	47	19	5	2	4	43	44	11	71	7	74	29	78	434
Secondary	13	5	1	-	-	24	11	2	23	-	34	8	34	155
Signal/Switch Failure - Foreign	46	-	-	-	10	11	4	4	-	22	-	21	28	146
Primary	31	-	-	-	7	8	3	3	-	11	-	19	21	103
Secondary	15	-	-	-	3	3	1	1	-	11	-	2	7	43
Mechanical Failure - Total	32	-	1	1	-	62	44	7	35	5	9	36	61	293
Mechanical Failure - Metra/PSA	30	-	-	-	-	50	42	5	35	5	9	36	61	273
Non-Locomotive Equipment Failure - Metra/PSA	12	-	-	-	-	1	1	2	13	4	3	16	21	73
Primary	3	-	-	-	-	1	1	1	3	2	1	9	11	32
Secondary	9	-	-	-	-	-	-	1	10	2	2	7	10	41
Locomotive Failure - Metra/PSA	18	-	-	-	-	49	41	3	22	1	6	20	40	200
Primary	7	-	-	-	-	13	12	1	12	-	2	6	8	61
Secondary	11	-	-	-	-	36	29	2	10	1	4	14	32	139
Mechanical Failure - Foreign	2	-	1	1	-	12	2	2	-	-	-	-	-	20
Passenger Train Interference - Total	4	2	-	2	6	12	2	4	-	18	-	-	-	50
Passenger Train Interference - Metra/PSA	1	2	-	-	1	10	-	4	-	-	-	-	-	18
Passenger Train Interference - Foreign	3	-	-	2	5	2	2	-	-	18	-	-	-	32
Accident - Total	1	81	12	-	7	12	3	-	17	14	20	37	35	239
Accident - Metra/PSA	-	15	2	-	-	12	2	-	16	2	20	37	5	111
Accident - Foreign	1	66	10	-	7	-	1	-	1	12	-	-	30	128
Track Work - Total	4	4	-	1	8	35	8	11	7	-	8	4	11	101
Track Work - Metra/PSA	4	4	-	1	8	29	3	10	7	-	8	4	11	89
Track Work - Foreign	-	-	-	-	-	6	5	1	-	-	-	-	-	12
Human Error - Total	91	5	4	2	10	67	32	12	35	26	50	38	63	435
Human Error - Metra/PSA	36	5	4	2	3	27	5	2	35	1	48	27	43	238
Human Error - Foreign	55	-	-	-	7	40	27	10	-	25	2	11	20	197
Sick, Injured, Unruly Passenger - Total	6	5	1	1	-	1	12	2	11	-	27	12	22	100
Sick, Injured, Unruly Passenger - Metra/PSA	6	5	1	1	-	1	12	2	11	-	27	12	22	100
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weather - Total	112	154	51	91	4	87	51	24	158	11	95	93	79	1,010
Weather - Metra/PSA	111	154	51	91	4	87	51	24	157	7	95	93	79	1,004
Weather - Foreign	1	-	-	-	-	-	-	-	1	4	-	-	-	6
Passenger Loading - Total	3	2	3	1	-	4	6	1	13	-	16	6	26	81
Lift Deployment - Total	2	-	-	-	-	9	6	1	14	1	4	12	28	77
Obstruction/Debris - Total	38	-	2	5	-	16	16	8	30	13	21	24	10	183
Catenary Failure - Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other - Total	12	-	1	1	1	-	4	5	15	2	21	19	21	102
Total Trains Delayed	444	277	81	107	72	453	267	107	444	162	382	382	578	3,756
Total Metra/PSA Delays	303	211	70	104	21	312	202	75	427	38	377	307	418	2,865
Total Foreign Carrier Delays	141	66	11	3	51	141	65	32	17	124	5	75	160	891

Data for current month is FINAL (04/26/19) 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 6.b: Train Delays by Cause & Line - YTD
January - March 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	71	-	-	-	15	44	40	35	21	40	6	18	68	358
Freight Interference - Peak	35	-	-	-	14	9	11	13	8	15	1	10	19	136
Primary	22	-	-	-	12	6	7	9	5	11	1	5	9	86
Secondary	14	-	-	-	2	3	4	4	3	4	0	4	10	50
Freight Interference - Off-Peak	36	-	-	-	1	35	28	21	13	25	5	9	49	222
Primary	27	-	-	-	1	21	18	18	10	19	3	6	40	164
Secondary	9	-	-	-	-	14	10	4	3	6	2	2	9	58
Signal/Switch Failure - Total	64	28	12	15	7	51	42	30	33	31	10	12	34	369
Signal/Switch Failure - Metra/PSA	41	28	12	15	1	39	35	17	32	7	10	10	32	279
Primary	23	16	8	12	1	19	22	9	22	5	6	6	12	159
Secondary	19	12	4	3	0	21	13	7	11	2	4	3	20	120
Signal/Switch Failure - Foreign	23	-	-	-	6	12	7	14	1	24	-	2	2	90
Primary	16	-	-	-	5	7	5	7	0	15	-	1	1	58
Secondary	7	-	-	-	1	5	2	7	0	9	-	2	1	32
Mechanical Failure - Total	51	7	4	2	3	65	34	13	61	10	37	26	25	338
Mechanical Failure - Metra/PSA	51	5	4	2	2	59	34	13	61	10	37	26	25	329
Non-Locomotive Equipment Failure - Metra/PSA	16	5	4	2	1	10	6	2	7	6	10	8	13	90
Primary	6	2	1	1	1	3	3	1	3	2	3	2	6	32
Secondary	10	3	3	1	0	7	3	1	4	4	7	6	8	58
Locomotive Failure - Metra/PSA	35	-	-	-	1	48	28	11	55	4	27	18	12	239
Primary	9	-	-	-	1	11	10	2	15	2	7	5	5	67
Secondary	25	-	-	-	0	38	18	8	40	2	20	12	7	172
Mechanical Failure - Foreign	1	1	0	-	0	6	0	0	-	-	-	-	0	9
Passenger Train Interference - Total	4	2	1	1	2	21	2	4	4	2	0	1	4	50
Passenger Train Interference - Metra/PSA	0	1	1	1	-	15	2	4	3	1	0	1	4	32
Passenger Train Interference - Foreign	4	1	0	1	2	6	0	0	1	2	-	-	0	17
Accident - Total	47	4	1	2	0	21	19	5	10	3	16	32	7	168
Accident - Metra/PSA	33	4	1	2	0	20	19	4	8	2	16	32	6	147
Accident - Foreign	14	-	-	-	-	2	0	1	2	1	-	-	1	21
Track Work - Total	32	13	2	6	0	11	6	6	6	3	6	6	4	102
Track Work - Metra/PSA	28	13	2	6	0	11	6	6	6	3	6	6	4	99
Track Work - Foreign	4	-	-	-	-	-	-	-	-	-	-	-	-	4
Human Error - Total	59	8	5	5	6	33	20	11	23	9	11	10	17	216
Human Error - Metra/PSA	36	8	5	4	1	22	13	6	23	2	10	9	13	152
Human Error - Foreign	23	-	-	0	5	11	7	5	-	7	1	2	4	64
Sick, Injured, Unruly Passenger - Total	9	14	2	3	0	10	9	1	5	1	8	13	11	89
Sick, Injured, Unruly Passenger - Metra/PSA	8	14	2	3	0	10	9	1	5	1	8	13	11	88
Sick, Injured, Unruly Passenger - Foreign	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Weather - Total	134	85	26	31	4	79	71	21	108	17	55	67	50	748
Weather - Metra/PSA	133	85	26	31	4	76	70	21	108	17	55	67	49	742
Weather - Foreign	1	-	-	-	0	2	1	-	0	1	-	-	0	5
Passenger Loading - Total	5	7	4	4	-	15	12	2	22	-	7	8	13	99
Lift Deployment - Total	9	0	-	0	-	13	9	1	5	0	2	6	12	58
Obstruction/Debris - Total	15	8	5	11	1	18	14	6	14	7	8	20	15	141
Catenary Failure - Total	-	14	3	6	-	-	-	-	-	-	-	-	-	23
Other - Total	18	2	2	1	-	9	6	2	8	6	7	6	9	76
Total Trains Delayed	519	194	66	87	39	389	284	137	321	129	174	227	271	2,836
Total Metra/PSA Delays	378	191	66	86	10	306	229	82	296	55	167	205	195	2,266
Total Foreign Carrier Delays	141	3	1	1	28	83	55	55	25	74	7	22	76	570

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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.c: Train Delays by Cause & Line - YTD
January - March 2019 Compared to January - March 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	(38)	-	-	-	7	26	(16)	(20)	(6)	3	(3)	25	14	(8)
Freight Interference - Peak	(27)	-	-	-	6	9	(3)	(9)	(4)	2	-	18	2	(7)
Primary	(15)	-	-	-	5	3	1	(5)	(2)	0	0	10	1	(1)
Secondary	(13)	-	-	-	1	6	(4)	(4)	(2)	2	(0)	9	1	(6)
Freight Interference - Off-Peak	(11)	-	-	-	1	17	(12)	(10)	(2)	1	(3)	6	12	(1)
Primary	(9)	-	-	-	1	7	(3)	(9)	(3)	(3)	(2)	2	(1)	(21)
Secondary	(2)	-	-	-	-	10	(9)	(2)	1	4	(1)	5	13	20
Signal/Switch Failure - Total	42	(4)	(6)	(13)	7	27	17	(13)	61	(2)	98	46	106	366
Signal/Switch Failure - Metra/PSA	19	(4)	(6)	(13)	3	28	20	(4)	62	0	98	27	80	310
Primary	24	3	(3)	(10)	3	24	22	2	49	2	68	23	66	275
Secondary	(6)	(7)	(3)	(3)	(0)	3	(2)	(5)	12	(2)	30	5	14	35
Signal/Switch Failure - Foreign	23	-	-	-	4	(1)	(3)	(10)	(1)	(2)	-	19	26	56
Primary	15	-	-	-	2	1	(2)	(4)	(0)	(4)	-	18	20	45
Secondary	8	-	-	-	2	(2)	(1)	(5)	(0)	2	-	0	6	11
Mechanical Failure - Total	(19)	(7)	(3)	(1)	(3)	(3)	10	(6)	(26)	(5)	(28)	10	36	(45)
Mechanical Failure - Metra/PSA	(21)	(5)	(4)	(2)	(2)	(9)	8	(8)	(26)	(5)	(28)	10	36	(56)
Non-Locomotive Equipment Failure - Metra/PSA	(4)	(5)	(4)	(2)	(1)	(9)	(5)	(0)	6	(2)	(7)	8	8	(17)
Primary	(3)	(2)	(1)	(1)	(1)	(2)	(2)	0	0	0	(2)	7	5	-
Secondary	(1)	(3)	(3)	(1)	(0)	(7)	(3)	(0)	6	(2)	(5)	1	2	(17)
Locomotive Failure - Metra/PSA	(17)	-	-	-	(1)	1	13	(8)	(33)	(3)	(21)	2	28	(39)
Primary	(2)	-	-	-	(1)	2	2	(1)	(3)	(2)	(5)	1	3	(6)
Secondary	(14)	-	-	-	(0)	(2)	11	(6)	(30)	(1)	(16)	2	25	(33)
Mechanical Failure - Foreign	1	(1)	1	1	(0)	6	2	2	-	-	-	-	(0)	11
Passenger Train Interference - Total	(0)	(0)	(1)	1	4	(9)	(0)	(0)	(4)	16	(0)	(1)	(4)	0
Passenger Train Interference - Metra/PSA	1	1	(1)	(1)	1	(5)	(2)	(0)	(3)	(1)	(0)	(1)	(4)	(14)
Passenger Train Interference - Foreign	(1)	(1)	(0)	1	3	(4)	2	(0)	(1)	16	-	-	(0)	15
Accident - Total	(46)	77	11	(2)	7	(9)	(16)	(5)	7	11	4	5	28	71
Accident - Metra/PSA	(33)	11	1	(2)	(0)	(8)	(17)	(4)	8	(0)	4	5	(1)	(36)
Accident - Foreign	(13)	66	10	-	7	(2)	1	(1)	(1)	11	-	-	29	107
Track Work - Total	(28)	(9)	(2)	(5)	8	24	2	5	1	(3)	2	(2)	7	(1)
Track Work - Metra/PSA	(24)	(9)	(2)	(5)	8	18	(3)	4	1	(3)	2	(2)	7	(10)
Track Work - Foreign	(4)	-	-	-	-	6	5	1	-	-	-	-	-	8
Human Error - Total	32	(3)	(1)	(3)	4	34	12	1	12	17	39	28	46	219
Human Error - Metra/PSA	(0)	(3)	(1)	(2)	2	5	(8)	(4)	12	(1)	38	18	30	86
Human Error - Foreign	32	-	-	(0)	2	29	20	5	-	18	1	9	16	133
Sick, Injured, Unruly Passenger - Total	(3)	(9)	(1)	(2)	(0)	(9)	3	1	6	(1)	19	(1)	11	11
Sick, Injured, Unruly Passenger - Metra/PSA	(2)	(9)	(1)	(2)	(0)	(9)	3	1	6	(1)	19	(1)	11	12
Sick, Injured, Unruly Passenger - Foreign	(1)	-	-	-	-	-	-	-	-	-	-	-	-	(1)
Weather - Total	(22)	69	25	60	(0)	8	(20)	3	50	(6)	40	26	29	262
Weather - Metra/PSA	(22)	69	25	60	-	11	(19)	3	49	(10)	40	26	30	262
Weather - Foreign	0	-	-	-	(0)	(2)	(1)	-	1	3	-	-	(0)	1
Passenger Loading - Total	(2)	(5)	(1)	(3)	-	(11)	(6)	(1)	(9)	-	9	(2)	13	(18)
Lift Deployment - Total	(7)	(0)	-	(0)	-	(4)	(3)	-	9	1	2	6	16	19
Obstruction/Debris - Total	23	(8)	(3)	(6)	(1)	(2)	2	2	16	6	13	4	(5)	42
Catenary Failure - Total	-	(14)	(3)	(6)	-	-	-	-	-	-	-	-	-	(23)
Other - Total	(6)	(2)	(1)	-	1	(9)	(2)	3	7	(4)	14	13	12	26
Total Trains Delayed	(75)	83	15	20	33	64	(17)	(30)	123	33	208	155	307	920
Total Metra/PSA Delays	(75)	20	4	18	11	6	(27)	(7)	131	(17)	210	102	223	599
Total Foreign Carrier Delays	0	63	10	2	23	58	10	(23)	(8)	50	(2)	53	84	321

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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 - Mar
Freight Interference - Total	100	142	108										350 9.3%
Freight Interference - Peak	38	52	39										129 3.4%
Primary	27	33	25										85 2.3%
Secondary	11	19	14										44 1.2%
Freight Interference - Off-Peak	62	90	69										221 5.9%
Primary	35	55	53										143 3.8%
Secondary	27	35	16										78 2.1%
Signal/Switch Failure - Total	196	393	146										735 19.6%
Signal/Switch Failure - Metra/PSA	160	320	109										589 15.7%
Primary	132	215	87										434 11.6%
Secondary	28	105	22										155 4.1%
Signal/Switch Failure - Foreign	36	73	37										146 3.9%
Primary	27	51	25										103 2.7%
Secondary	9	22	12										43 1.1%
Mechanical Failure - Total	121	106	66										293 7.8%
Mechanical Failure - Metra/PSA	116	91	66										273 7.3%
Non-Locomotive Equipment Failure - Metra/PSA	21	33	19										73 1.9%
Primary	11	13	8										32 0.9%
Secondary	10	20	11										41 1.1%
Locomotive Failure - Metra/PSA	95	58	47										200 5.3%
Primary	26	19	16										61 1.6%
Secondary	69	39	31										139 3.7%
Mechanical Failure - Foreign	5	15	-										20 0.5%
Passenger Train Interference - Total	20	13	17										50 1.3%
Passenger Train Interference - Metra/PSA	6	8	4										18 0.5%
Passenger Train Interference - Foreign	14	5	13										32 0.9%
Accident - Total	47	171	21										239 6.4%
Accident - Metra/PSA	7	84	20										111 3.0%
Accident - Foreign	40	87	1										128 3.4%
Track Work - Total	11	52	38										101 2.7%
Track Work - Metra/PSA	11	46	32										89 2.4%
Track Work - Foreign	-	6	6										12 0.3%
Human Error - Total	106	256	73										435 11.6%
Human Error - Metra/PSA	94	108	36										238 6.3%
Human Error - Foreign	12	148	37										197 5.2%
Sick, Injured, Unruly Passenger - Total	19	65	16										100 2.7%
Sick, Injured, Unruly Passenger - Metra/PSA	19	65	16										100 2.7%
Sick, Injured, Unruly Passenger - Foreign	-	-	-										- 0.0%
Weather - Total	591	401	18										1,010 26.9%
Weather - Metra/PSA	586	400	18										1,004 26.7%
Weather - Foreign	5	1	-										6 0.2%
Passenger Loading - Total	12	40	29										81 2.2%
Lift Deployment - Total	11	37	29										77 2.1%
Obstruction/Debris - Total	79	72	32										183 4.9%
Catenary Failure - Total	-	-	-										- 0.0%
Other - Total	28	57	17										102 2.7%
Total Trains Delayed	1,341	1,805	610										3,756 100.0%
Total Metra/PSA Delays	1,129	1,328	408										2,865 76.3%
Total Foreign Carrier Delays	212	477	202										891 23.7%

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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 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 - Mar	
Freight Interference - Total	134	126	154	86	136	141	101	95	133	159	112	137	414	14.4%
Freight Interference - Peak	65	52	55	30	42	55	39	29	30	61	44	54	172	6.0%
Primary	36	25	26	20	27	26	16	19	17	34	27	26	87	3.0%
Secondary	29	27	29	10	15	29	23	10	13	27	17	28	85	3.0%
Freight Interference - Off-Peak	69	74	99	56	94	86	62	66	103	98	68	83	242	8.4%
Primary	43	58	76	49	69	62	48	52	68	66	48	57	177	6.2%
Secondary	26	16	23	7	25	24	14	14	35	32	20	26	65	2.3%
Signal/Switch Failure - Total	160	171	102	95	145	149	128	141	124	110	217	197	433	15.1%
Signal/Switch Failure - Metra/PSA	97	133	96	73	113	103	103	131	97	89	179	188	326	11.4%
Primary	68	105	51	52	92	63	74	72	73	61	144	132	224	7.8%
Secondary	29	28	45	21	21	40	29	59	24	28	35	56	102	3.6%
Signal/Switch Failure - Foreign	63	38	6	22	32	46	25	10	27	21	38	9	107	3.7%
Primary	22	33	5	20	17	30	16	8	17	15	26	5	60	2.1%
Secondary	41	5	1	2	15	16	9	2	10	6	12	4	47	1.6%
Mechanical Failure - Total	204	139	89	60	74	92	65	102	70	95	94	98	432	15.0%
Mechanical Failure - Metra/PSA	200	132	88	55	74	92	63	102	69	87	84	96	420	14.6%
Non-Loomotive Equipment Failure - Metra/PSA	46	49	21	10	10	12	23	7	13	30	29	26	116	4.0%
Primary	13	13	8	5	8	8	15	6	7	8	7	10	34	1.2%
Secondary	33	36	13	5	2	4	8	1	6	22	22	16	82	2.9%
Locomotive Failure - Metra/PSA	154	83	67	45	64	80	40	95	56	57	55	70	304	10.6%
Primary	25	19	20	15	20	21	20	20	16	22	18	25	64	2.2%
Secondary	129	64	47	30	44	59	20	75	40	35	37	45	240	8.4%
Mechanical Failure - Foreign	4	7	1	5	-	-	2	-	1	8	10	2	12	0.4%
Passenger Train Interference - Total	15	12	9	29	33	28	25	5	19	17	23	7	36	1.3%
Passenger Train Interference - Metra/PSA	7	5	6	12	10	7	1	3	6	9	8	4	18	0.6%
Passenger Train Interference - Foreign	8	7	3	17	23	21	24	2	13	8	15	3	18	0.6%
Accident - Total	25	82	70	12	25	-	19	23	20	43	45	43	177	6.2%
Accident - Metra/PSA	25	79	67	7	12	-	13	17	20	43	45	43	171	6.0%
Accident - Foreign	-	3	3	5	13	-	6	6	-	-	-	-	6	0.2%
Track Work - Total	11	18	43	101	100	100	58	59	88	120	51	36	72	2.5%
Track Work - Metra/PSA	11	18	43	101	99	97	57	59	88	120	51	36	72	2.5%
Track Work - Foreign	-	-	-	-	1	3	1	-	-	-	-	-	-	0.0%
Human Error - Total	109	121	61	52	94	91	80	104	69	72	63	79	291	10.1%
Human Error - Metra/PSA	95	100	49	14	64	59	37	92	53	49	42	72	244	8.5%
Human Error - Foreign	14	21	12	38	30	32	43	12	16	23	21	7	47	1.6%
Sick, Injured, Unruly Passenger - Total	24	33	44	33	43	44	36	32	32	25	20	22	101	3.5%
Sick, Injured, Unruly Passenger - Metra/PSA	24	33	44	33	43	44	36	32	32	25	20	22	101	3.5%
Sick, Injured, Unruly Passenger - Foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%
Weather - Total	172	295	14	27	71	51	8	41	34	10	295	36	481	16.8%
Weather - Metra/PSA	172	294	13	27	70	51	8	40	34	10	295	36	479	16.7%
Weather - Foreign	-	1	1	-	1	-	-	1	-	-	-	-	2	0.1%
Passenger Loading - Total	31	56	32	13	67	95	78	139	33	35	37	46	119	4.1%
Lift Deployment - Total	24	27	21	13	45	23	30	36	27	18	27	29	72	2.5%
Obstruction/Debris - Total	40	82	29	62	60	51	63	35	30	59	47	57	151	5.3%
Catenary Failure - Total	-	1	1	-	-	-	-	-	9	1	3	63	2	0.1%
Other - Total	38	27	25	19	33	22	31	20	22	19	5	20	90	3.1%
Total Trains Delayed	987	1,190	694	602	926	887	722	832	710	782	1,039	870	2,871	100.0%
Total Metra/PSA Delays	764	987	514	429	690	644	520	706	520	563	843	712	2,265	78.9%
Total Foreign Carrier Delays	223	203	180	173	236	243	202	126	190	219	196	158	606	21.1%

Data for latest month is final (01/28/19) version from 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 8: Train Delays by Duration
March 2019**

Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
Weekday Peak *														
6-10	14	1	1	0	10	7	16	4	10	5	12	19	32	131
11-15	2	0	0	0	4	1	6	1	5	4	5	6	10	44
16-20	3	0	0	0	1	3	3	0	2	1	0	0	7	20
21+	3	0	0	0	3	7	4	0	3	7	0	9	10	46
Annulled	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>6</u>
Sub-Total	23	1	1	0	18	19	29	5	20	17	17	36	61	247
Weekday Off-Peak **														
6-10	14	1	5	1	0	28	8	9	12	1	4	11	24	118
11-15	1	1	0	0	1	12	4	3	9	8	7	9	24	79
16-20	3	0	0	0	0	4	1	2	3	4	1	2	8	28
21+	4	0	0	0	0	13	1	2	2	8	8	9	7	54
Annulled	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>7</u>
Sub-Total	22	2	5	1	1	57	15	16	27	21	20	35	64	286
Saturday														
6-10	3	1	0	0	0	3	1	0	2	1	4	3	2	20
11-15	1	1	0	0	0	1	1	0	2	1	5	2	1	15
16-20	0	1	0	0	0	4	1	0	1	0	1	0	0	8
21+	0	0	0	0	0	2	3	0	2	1	1	1	1	11
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>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Sub-Total	4	3	0	0	0	10	6	0	7	3	11	6	4	54
Sunday-Holiday														
6-10	0	1	0	1	0	2	1	0	2	0	3	4	2	16
11-15	0	0	0	2	0	0	0	0	0	0	0	0	0	2
16-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21+	0	0	0	0	0	0	0	0	1	0	2	0	2	5
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>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Sub-Total	0	1	0	3	0	2	1	0	3	0	5	4	4	23
March 2019 Total														
6-10	31	4	6	2	10	40	26	13	26	7	23	37	60	285
11-15	4	2	0	2	5	14	11	4	16	13	17	17	35	140
16-20	6	1	0	0	1	11	5	2	6	5	2	2	15	56
21+	7	0	0	0	3	22	8	2	8	16	11	19	20	116
Annulled	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>6</u>	<u>3</u>	<u>13</u>
TOTAL	49	7	6	4	19	88	51	21	57	41	53	81	133	610
2019 Year-to-Date														
6-10	176	61	28	18	27	161	110	54	219	33	155	156	218	1,416
11-15	64	35	5	8	16	95	55	19	68	31	100	76	134	706
16-20	54	18	1	3	7	61	27	9	41	16	38	41	77	393
21+	103	32	8	2	13	116	61	23	95	68	63	95	123	802
Annulled	<u>47</u>	<u>131</u>	<u>39</u>	<u>76</u>	<u>9</u>	<u>20</u>	<u>14</u>	<u>2</u>	<u>21</u>	<u>14</u>	<u>26</u>	<u>14</u>	<u>26</u>	<u>439</u>
TOTAL	444	277	81	107	72	453	267	107	444	162	382	382	578	3,756
Share of Delays by Duration														
Minutes	BNSF	Electric			Her	Milwaukee		NCS	RI	SWS	UP			System
		ML	BI	SC		N	W				N	NW	W	
March 2019 Total														
6-10	63.3%	57.1%	100.0%	50.0%	52.6%	45.5%	51.0%	61.9%	45.6%	17.1%	43.4%	45.7%	45.1%	46.7%
11-15	8.2%	28.6%	0.0%	50.0%	26.3%	15.9%	21.6%	19.0%	28.1%	31.7%	32.1%	21.0%	26.3%	23.0%
16-20	12.2%	14.3%	0.0%	0.0%	5.3%	12.5%	9.8%	9.5%	10.5%	12.2%	3.8%	2.5%	11.3%	9.2%
21+	14.3%	0.0%	0.0%	0.0%	15.8%	25.0%	15.7%	9.5%	14.0%	39.0%	20.8%	23.5%	15.0%	19.0%
Annulled	<u>2.0%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>1.1%</u>	<u>2.0%</u>	<u>0.0%</u>	<u>1.8%</u>	<u>0.0%</u>	<u>0.0%</u>	<u>7.4%</u>	<u>2.3%</u>	<u>2.1%</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	39.6%	22.0%	34.6%	16.8%	37.5%	35.5%	41.2%	50.5%	49.3%	20.4%	40.6%	40.8%	37.7%	37.7%
11-15	14.4%	12.6%	6.2%	7.5%	22.2%	21.0%	20.6%	17.8%	15.3%	19.1%	26.2%	19.9%	23.2%	18.8%
16-20	12.2%	6.5%	1.2%	2.8%	9.7%	13.5%	10.1%	8.4%	9.2%	9.9%	9.9%	10.7%	13.3%	10.5%
21+	23.2%	11.6%	9.9%	1.9%	18.1%	25.6%	22.8%	21.5%	21.4%	42.0%	16.5%	24.9%	21.3%	21.4%
Annulled	<u>10.6%</u>	<u>47.3%</u>	<u>48.1%</u>	<u>71.0%</u>	<u>12.5%</u>	<u>4.4%</u>	<u>5.2%</u>	<u>1.9%</u>	<u>4.7%</u>	<u>8.6%</u>	<u>6.8%</u>	<u>3.7%</u>	<u>4.5%</u>	<u>11.7%</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 (04/26/2019) version from TOPS.