

Average Train Speed, by Segment - Year 1												
Connection Segment	Miles	Year 1 (25%)										
		Low 1 Est Train/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed	High Est Trains/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed	
WSOR & CN-Milton MP-244												
MP-234-244	10	1	G	55.0	0.80	44.0	1	G	55.0	0.70	38.5	
UP-East Janesville MP-234												
MP-228-234	6	1	G	55.0	0.67	36.7	1	G	55.0	0.50	27.5	
WSOR-La Prairie MP-228												
MP-223-228	5	1	G	55.0	0.60	33.0	2	G	55.0	0.70	38.5	
CPR-Beloit MP223												
MP-195-223	28	1	G	55.0	0.93	51.1	2	G	55.0	0.95	52.1	
CN-Rockford MP-195												
MP-185-195	10	1	G	55.0	0.80	44.0	2	G	55.0	0.85	46.8	
Rockford Orig/Dest MP-185												
MP-182-185	3	1	G	55.0	0.33	18.3	3	2G	55.0	0.67	36.7	
IR-Rockford MP-182												
MP-181-182	1	1	G	55.0	0.25	13.8	3	2G	55.0	0.33	18.3	
CPR-Davis Jct. MP-181												
MP-166-181	15	2	G, U	52.5	0.93	49.0	4	2G, U	53.3	0.95	50.7	
UP-Creston MP-166												
MP-164-166	2	4	I, G, 2U	56.3	0.75	42.2	8	2I, 3G, 2U	57.9	0.50	28.9	
CORR-Rochelle MP-164												
MP-160-164	4	4	I, G, 2U	56.3	0.88	49.2	8	2I, 3G, 2U	57.9	0.94	54.2	
BNSF-Steward MP-160												
MP-141-160	19	5	I, G, 2U, O	54.0	0.98	52.9	10	3I, 3G, 2U, O	57.8	0.97	56.0	
UP-Earlville MP-141												
MP-140-141	1	5	I, G, 2U, O	54.0	0.80	43.2	10	3I, 3G, 2U, O	57.8	0.80	46.2	
BNSF-Earlville MP-140												
MP-129-140	11	7	2I, 2G, 2U, O	56.4	0.97	55.0	14	4I, 4G, 3U, O	57.9	0.92	53.4	
IR-Sheridan MP-129												
MP-111-129	18	7	2I, 2G, 2U, O	56.4	0.98	55.5	14	4I, 4G, 3U, O	57.9	0.92	53.1	
CSX & IAIS-Seneca MP-111												
MP-102-111	9	8	2I, 2G, 2U, O	56.4	0.97	54.6	14	4I, 5G, 3U, O	57.7	0.95	54.9	
BNSF-Mazon MP-102												
MP-94-102	8	11	3I, 3G, 4U, O	56.4	0.93	52.5	19	6I, 7G, 4U, O	58.3	0.90	52.6	
UP-Gardner MP-94												
MP-63-94	31	12	3I, 3G, 4U, O	56.4	0.99	56.0	20	6I, 7G, 4U, O	58.3	0.99	57.8	
CN-Manteno MP-63												
MP-57-63	6	13	3I, 4G, 4U, O	56.3	0.78	43.8	21	7I, 7G, 5U, O	58.5	0.62	36.2	
Manteno Orig/Dest MP-57												
MP-53-57	4	12	3I, 4G, 4U, O	56.3	0.67	37.5	19	7I, 6G, 5U, O	55.8	0.45	24.9	
UP-Sollitt MP-53												
MP-43-53	10	10	3I, 3G, 3U, O	57.0	0.98	55.9	15	5I, 5G, 4U, O	58.0	0.96	55.7	
NS-Norh Hayden MP-43												
MP-41-43	2	9	3I, 3G, 2U, O	57.8	0.89	51.4	15	5I, 5G, 4U, O	58.0	0.80	46.4	
CSX-Lowell MP-41												
MP-14-41	27	9	3I, 3G, 2U, O	57.8	0.99	57.3	14	4I, 5G, 4U, O	57.1	0.98	56.2	
NS-South Wanatah MP-14												
MP-13-14	1	8	3I, 2G, 2U, O	58.1	0.88	50.9	12	4I, 3G, 4U, O	57.5	0.83	47.9	
CFER-Wanatah MP-13												
MP-9-13	4	8	3I, 2G, 2U, O	58.1	0.94	54.5	12	4I, 3G, 4U, O	57.5	0.71	40.7	
CN-Alida MP-9												
MP-7-9	2	7	2I, 2G, 2U, O	56.4	0.57	32.2	10	3I, 3G, 3U, O	57.0	0.36	20.4	
CSX-Alida MP-7												
MP-5-7	2	4	I, G, U, O	55.0	0.68	37.4	6	I, 2G, 2U, O	54.2	0.81	43.8	
Kingsbury Jct MP-5												
MP-0-5	5	4	I, G, U, O	55.0	0.60	33.0	5	I, G, 2U, O	54.0	0.60	32.4	
NS-Pinola MP-0												
Kingsbury Branch												
MP-0-12	12	1	U	50.0	0.83	41.7	2	G, U	52.5	0.83	43.8	
Train Speeds		Max Speed										
Intermodal (I)		70	mph									
Unit Coal & Grain (U)		50	mph	avg		Loads 45, Empties 55						
Oil Trains - lds & mtys (O)		45	mph									
General Carload (GL)		55	mph	assumes		All general carload train have empties						
Speed Restricted Cars (below 45 mph) not included in analysis												

Average Train Speed, by Segment - Year 2

Connection Segment		Miles	Year 2 (50% of Base + 2%)										
			Low 1 Est Train/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed	High Est Trains/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed	
WSOR & CN-Milton MP-244													
	MP-234-244	10	1	G	55.0	0.70	38.5	3	G	55.0	0.70	38.5	
UP-East Janesville MP-234													
	MP-228-234	6	1	G	55.0	0.50	27.5	4	G	55.0	0.83	45.8	
WSOR-La Prairie MP-228													
	MP-223-228	5	1	G	55.0	0.40	22.0	4	G	55.0	0.80	44.0	
CPR-Beloit MP223													
	MP-195-223	28	1	G	55.0	0.89	49.1	4	2G	55.0	0.96	53.0	
CN-Rockford MP-195													
	MP-185-195	10	2	G	55.0	0.85	46.8	5	2G, U	53.3	0.94	50.1	
Rockford Orig/Dest MP-185													
	MP-182-185	3	2	2G	55.0	0.50	27.5	6	3G, U	53.8	0.83	44.8	
IR-Rockford MP-182													
	MP-181-182	1	3	2G	55.0	0.67	36.7	7	3G, U	53.8	0.71	38.4	
CPR-Davis Jct. MP-181													
	MP-166-181	15	3	2G, U	53.3	0.93	49.8	8	5G, U	54.2	0.98	52.8	
UP-Creston MP-166													
	MP-164-166	2	8	2I, 3G, 2U	57.9	0.38	21.7	16	4I, 5G, 4U	58.1	0.50	29.0	
CORR-Rochelle MP-164													
	MP-160-164	4	8	2I, 3G, 2U	57.9	0.94	54.2	17	4I, 6G, 4U	58.1	0.96	55.5	
BNSF-Steward MP-160													
	MP-141-160	19	10	3I, 3G, 2U, O	57.8	0.97	56.0	20	5I, 6G, 4U, 2O	57.1	0.98	55.7	
UP-Earlville MP-141													
	MP-140-141	1	10	3I, 3G, 2U, O	57.8	0.80	46.2	20	5I, 7G, 4U, 2O	56.9	0.85	48.4	
BNSF-Earlville MP-140													
	MP-129-140	11	15	5I, 4G, 4U, O	58.2	0.94	54.7	28	8I, 8G, 7U, 2O	57.6	0.92	53.1	
IR-Sheridan MP-129													
	MP-111-129	18	15	5I, 4G, 4U, O	58.2	0.99	57.6	28	8I, 8G, 7U, 2O	57.6	0.99	56.9	
CSX & IAIS-Seneca MP-111													
	MP-102-111	9	15	5I, 4G, 4U, O	58.2	0.98	56.9	29	8I, 10G, 7U, 2O	57.4	0.98	56.1	
BNSF-Mazon MP-102													
	MP-94-102	8	23	8I, 6G, 7U, O	58.4	0.87	50.8	38	12I, 12G, 10U, 2O	58.1	0.91	52.9	
UP-Gardner MP-94													
	MP-63-94	31	24	9I, 6G, 7U, O	58.9	1.00	58.7	40	12I, 12G, 11U, 2O	57.8	1.00	57.6	
CN-Manteno MP-63													
	MP-57-63	6	26	9I, 7G, 8U, O	58.4	0.73	42.8	43	13I, 13G, 13U, 2O	57.7	0.60	34.9	
Manteno Orig/Dest MP-57													
	MP-53-57	4	25	9I, 7G, 8U, O	58.4	0.40	23.4	39	12I, 12G, 13U, 2O	57.4	0.42	24.3	
UP-Sollitt MP-53													
	MP-43-53	10	19	7I, 5G, 6U, O	58.4	0.97	56.6	30	9I, 9G, 10U, 2O	57.2	0.97	55.5	
NS-Norh Hayden MP-43													
	MP-41-43	2	19	7I, 5G, 6U, O	58.4	0.84	49.2	30	9I, 9G, 10U, 2O	57.2	0.90	51.5	
CSX-Lowell MP-41													
	MP-14-41	27	18	6I, 5G, 6U, O	57.8	0.99	57.1	29	9I, 9G, 9U, 2O	57.4	0.98	56.1	
NS-South Wanatah MP-14													
	MP-13-14	1	16	5I, 5G, 5U, O	57.5	0.88	50.3	25	7I, 8G, 8U, 2O	56.8	0.76	43.2	
CFER-Wanatah MP-13													
	MP-9-13	4	16	5I, 5G, 5U, O	57.5	0.91	52.1	25	7I, 8G, 8U, 2O	56.8	0.85	48.3	
CN-Alida MP-9													
	MP-7-9	2	14	4I, 4G, 5U, O	56.8	0.46	26.4	21	5I, 7G, 7U, 2O	56.0	0.50	28.0	
CSX-Alida MP-7													
	MP-5-7	2	9	2I, 2G, 4U, O	55.0	0.83	45.8	13	3I, 4G, 5U, O	55.8	0.77	42.9	
Kingsbury Jct MP-5													
	MP-0-5	5	9	2I, 2G, 4U, O	55.0	0.40	22.0	11	3I, 3G, 4U, O	56.4	0.40	22.5	
NS-Pinola MP-0													
Kingsbury Branch													
	MP-0-12	12	2	G,U	52.5	0.83	43.8	3	2G, U	53.3	0.83	44.4	
Train Speeds			Max Speed										
	Intermodal (I)		70	mph									
	Unit Coal & Grain (U)		50	mph	avg	Loads 45, Empties 55							
	Oil Trains - lds & mtys (O)		45	mph									
	General Carload (GL)		55	mph	assumes	All general carload train have empties							
	Speed Restricted Cars (below 45 mph) not included in analysis												

Average Train Speed, by Segment - Year 3

Connection Segment		Year 3 (100% of Base + 2% x 2 years)										
Miles	Low 1 Est Train/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed	High Est Trains/Day	Traffic Type(s)	Avg Max Speed	Speed Factor	Avg Speed		
WSOR & CN-Milton MP-244												
MP-234-244	10	2	G, O	50.0	0.70	35.0	7	2I, 2G, 2U, O	56.4	0.70	39.5	
UP-East Janesville MP-234												
MP-228-234	6	2	G, O	50.0	0.75	37.5	7	2I, 2G, 2U, O	56.4	0.93	52.4	
WSOR-La Prairie MP-228												
MP-223-228	5	3	G, O	50.0	0.80	40.0	8	2I, 3G, 2U, O	56.3	0.93	52.0	
CPR-Beloit MP223												
MP-195-223	28	3	G, O	50.0	0.96	48.2	8	2I, 3G, 2U, O	56.3	0.99	55.5	
CN-Rockford MP-195												
MP-185-195	10	4	G, O	50.0	0.93	46.3	10	2I, 4G, 3U, O	55.5	0.93	51.3	
Rockford Orig/Dest MP-185												
MP-182-185	3	5	2G, O	51.7	0.80	41.3	13	2I, 6G, 4U, O	55.0	0.77	42.3	
IR-Rockford MP-182												
MP-181-182	1	5	2G, U, O	51.3	0.60	30.8	13	2I, 6G, 4U, O	55.0	0.85	46.5	
CPR-Davis Jct. MP-181												
MP-166-181	15	7	2G, 2U, O	51.0	0.94	48.1	16	3I, 7G, 5U, O	55.6	0.96	53.5	
UP-Creston MP-166												
MP-164-166	2	17	4I, 4G, 6U, O	56.3	0.18	9.9	32	8I, 12G, 11U, O	56.7	0.63	35.4	
CORR-Rochelle MP-164												
MP-160-164	4	17	4I, 4G, 6U, O	56.3	0.91	51.4	34	8I, 13G, 12U, O	56.5	0.93	52.7	
BNSF-Steward MP-160												
MP-141-160	19	21	6I, 4G, 7U, 2O	56.8	0.98	55.5	40	10I, 13G, 15U, 2O	56.4	0.98	55.0	
UP-Earlville MP-141												
MP-140-141	1	21	6I, 4G, 7U, 2O	56.8	0.86	48.7	40	10I, 13G, 15U, 2O	56.4	0.85	47.9	
BNSF-Earlville MP-140												
MP-129-140	11	30	8I, 8G, 11U, 2O	56.6	0.92	51.9	55	15I, 18G, 20U, 2O	56.9	0.95	54.1	
IR-Sheridan MP-129												
MP-111-129	18	31	8I, 8G, 11U, 2O	56.6	0.99	55.9	56	15I, 19G, 20U, 2O	56.9	0.99	56.4	
CSX & IAIS-Seneca MP-111												
MP-102-111	9	31	8I, 8G, 11U, 2O	56.6	0.98	55.3	58	15I, 21G, 20U, 2O	56.8	0.97	55.2	
BNSF-Mazon MP-102												
MP-94-102	8	47	13I, 12G, 18U, 2O	56.9	0.87	49.6	77	21I, 27G, 27U, 2O	57.1	0.91	51.8	
UP-Gardner MP-94												
MP-63-94	31	49	14I, 12G, 19U, 2O	57.0	1.00	56.8	80	22I, 28G, 28U, 2O	51.6	1.00	51.4	
CN-Manteno MP-63												
MP-57-63	6	52	15I, 13G, 20U, 2O	57.0	0.76	43.1	86	24I, 30G, 30U, 2O	51.6	0.65	33.6	
Manteno Orig/Dest MP-57												
MP-53-57	4	50	15I, 13G, 20U, 2O	57.0	0.63	35.9	80	21I, 27G, 30U, 2O	51.6	0.49	25.5	
UP-Sollitt MP-53												
MP-43-53	10	40	12I, 12G, 14U, 2O	57.3	0.98	56.0	62	16I, 22G, 22U, 2O	51.6	0.97	50.1	
NS-Norh Hayden MP-43												
MP-41-43	2	38	11I, 12G, 13U, 2O	57.1	0.95	54.1	60	16I, 21G, 21U, 2O	51.6	0.93	48.1	
CSX-Lowell MP-41												
MP-14-41	27	37	11I, 11G, 13U, 2O	57.2	0.99	56.7	59	16I, 20G, 21U, 2O	51.5	0.98	50.7	
NS-South Wanatah MP-14												
MP-13-14	1	33	10I, 10G, 11U, 2O	57.3	0.88	50.3	52	14I, 18G, 18U, 2O	51.5	0.92	47.6	
CFER-Wanatah MP-13												
MP-9-13	4	33	10I, 10G, 11U, 2O	57.3	0.91	52.1	51	14I, 17G, 18U, 2O	51.5	0.90	46.2	
CN-Alida MP-9												
MP-7-9	2	29	9I, 9G, 9U, 2O	57.4	0.43	24.7	44	12I, 15G, 15U, 2O	51.5	0.59	30.4	
CSX-Alida MP-7												
MP-5-7	2	18	5I, 6G, 6U, O	56.9	0.92	52.2	26	7I, 9G, 9U, O	51.5	0.77	39.6	
Kingsbury Jct MP-5												
MP-0-5	5	18	5I, 5G, 6U, O	57.1	0.40	22.8	22	7I, 7G, 7U, O	51.4	0.40	20.5	
NS-Pinola MP-0												
Kingsbury Branch												
MP-0-12	12	3	2G, U	53.3	0.83	44.4	4	2G, 2U	52.5	0.83	43.8	

Train Speeds	Max Speed			
Intermodal (I)	70	mph		
Unit Coal & Grain (U)	50	mph	avg	Loads 45, Empties 55
Oil Trains - lds & mtys (O)	45	mph		
General Carload (GL)	55	mph	assumes	All general carload train have empties
Speed Restricted Cars (below 45 mph) not included in analysis				